

THE GCI Project
Bibliographies
SERIES

Terra



Sorted by Author



The Getty Conservation Institute

The Getty Conservation Institute works internationally to advance conservation and to enhance and encourage the preservation and understanding of the visual arts in all of their dimensions—objects, collections, architecture, and sites.

The Institute serves the conservation community through scientific research; education and training; field projects, and the dissemination of the results of both its work and the work of others in the field.

In all its endeavors, the Institute is committed to addressing unanswered questions and to promoting the highest possible standards of conservation practice.

GCI Project Bibliographies

Project bibliographies represent a distillation of many years of research by Getty Conservation Institute staff in support of a given project. The unique bibliographic resources available at the Getty Center and in the Los Angeles area make it possible for GCI staff to access and review literature that is not easily obtainable by many conservation practitioners. With this unique opportunity comes a unique responsibility to share the results of this research with the conservation community and other interested parties.

The TERRA bibliography is an effort to provide information to the conservation community regarding this important area of the world's cultural heritage. Earthen architecture exists globally and continues to provide housing for many people. These buildings represent a contemporary manifestation of an ancient tradition. Examples of this tradition in archaeological sites all over the world present challenges for those entrusted with their preservation. It is hoped that this bibliography will be helpful to them.

TERRA Project Overview

In academia, earthen architecture and materials are largely absent from courses on history, design, and construction technology. With earthen structures constituting only a fraction of new construction in the industrialized world, there is no industry to support continued investigation of earthen materials and their applications. As such, the scientific and technological research base for earthen architecture and its conservation is very limited compared to that of stone, brick, and timber. Procedures and information are frequently borrowed from other fields, such as agriculture and road building, but significant differences in application often preclude a direct transfer of technology. The result is a fragmented body of knowledge.

The past two decades have witnessed considerable advancement of the earthen architecture conservation field through a series of international conferences, training initiatives, and the formation of national and international committees devoted to the cause; a network of practitioners, scientists, and academics has been established through these opportunities for exchange. Institutional commitment has lagged behind, however, along with support for larger scale initiatives and collaboration. Institutional involvement and cooperation is key in developing the broad-based support needed for the conservation of earthen architecture.

In November 1997, following their collaboration on PAT96 (the first Pan-American Course on the Conservation and Management of Earthen Architectural and Archaeological Heritage), the International Centre for Earth Construction—School of Architecture of Grenoble (CRATerre-EAG), the Getty Conservation Institute (GCI), and the International Centre for the Study of the Preservation and the Restoration of Cultural Property (ICCROM) initiated discussions to establish a joint program in the study and conservation of earthen architecture.

These organizations recognized—through their independent and collective activities in earthen architecture conservation—that the most successful means of leveraging resources and developing the field was through partnership. Having a long history of involvement in the field, these institutions created a cooperative framework—Project Terra—to promote the study and conservation of earthen architecture heritage. Within this framework for international collaboration, previous institutional activities such as ICCROM/CRATerre-EAG's Gaia Project and the GCI's research in the field, are evolving into Project Terra.

The GCI Bibliography of the TERRA Project

Literature in this bibliography was compiled over the past decade at the Getty Conservation Institute as a part of the TERRA project.

The research component of this project involved the review of a very large body of literature. The prevalence of earthen architecture worldwide both past and present means that a great deal has been published on the subject in many languages and disciplinary fields. To address the conservation of earthen architecture has also meant that a thorough understanding of the nature of the materials involved is essential; this has necessitated a review of mineralogy, clay and soil science, chemistry, and the analytical techniques used in these fields. The deterioration mechanisms affecting earthen architecture also needed to be well understood. For that reason, the literature on biodeterioration, and wind and water erosion, as well as damage caused by salts and seismic activity, had to be reviewed in light of their effect on earthen structures.

A number of dedicated individuals have been involved in this effort over the years and this bibliography gives us an opportunity to share with the conservation profession their expertise and the fruit of their bibliographic research. They are listed below.

Project Team Members

GCI

Mary Hardy, Project Manager
Erica Avrami (past Project Manager)
Gaetano Palumbo (past team member)
Evin Erder (past team member)
Urs Mueller (past team member)
Anna Zagorski (past team member)
Alberto de Tagle (past team member)
Jeanne Marie Teutonico

CRATerre-EAG

Hugo Houben
Hubert Guillaud
Marina Trappeniers

ICCROM

Alejandro Alva

Methodology and Arrangement

The bibliography has been arranged in thematic sections that were settled upon after considerable discussion and thought. This topical arrangement is followed by a reiteration of the entire bibliography alphabetically by author. Users may simply view sections of interest or scan by author. Some citations will appear in multiple sections because they address more than one of the subjects defined in this bibliography.

Particular credit goes to Urs Mueller who devoted many hours to refining this bibliography, bringing to the task great professional rigor and the highest professional standards. Eric Bruehl assisted Urs in this process. Prior to Urs's arrival at the GCI, Gaetano Palumbo and Evin Erder applied a great deal of their time and expertise to the formation of the bibliography. Thanks also goes to the reviewers who took the time to examine the bibliography in light of their professional experience and to make suggestions which have been adopted whenever possible.

GCI Project Terra Bibliography

- 6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), xix + 469 p.
- Adobe bibliography. *Bulletin of the association for preservation technology*, 7, no. 1 (1975), pp. 89–101.
- The archaeological sites protection and preservation notebook.* In Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), ix + 304p.
- Conservation restauration au Proche-Orient: objets et sites archéologiques=Conservation in the Near East: objects and archeological sites. *Lettre d'information archéologie orientale*, 23, no. 7 (1984), pp. 7–78.
- Earth construction technology. Manual on surface protection.* United Nations Centre for Human Settlements (Habitat), Nairobi (1986), 57p.
- Earthen buildings in seismic areas: proceedings of the international workshop.,2.* Albuquerque, New Mexico, 24–28 May 1981 (1981)
- Effects of frost heaving on objects in soils and its archaeological implications. In *The archaeological sites protection and preservation notebook.* Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), pp. ASPPN I-6-1-8.
- Ice wedge erosion at Fort Hall historic trading post, Idaho. *The archaeological sites protection and preservation notebook.* Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), pp. ASPPN I-1-1-6.
- The McCutchan-McLaughlin in Mound stabilization project, Oklahoma. *The archaeological sites protection and preservation notebook.* Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), pp. ASPPN III-2-1-6.
- Preservation and conservation: principles and practices: proceedings of the North American international regional conference.* Williamsburg, Virginia and Philadelphia, Pennsylvania, 10–16 September 1972 (1976), xxi + 547p.
- Préservation du site de Mari (IIIème millénaire) en Syrie orientale = Preservation of the site of Mari (3rd millenium) in eastern Syria. *Bulletin d'information du CRATerre*, no. 3 (1989), p.7.
- Preventive conservation, practice, theory and research: preprints of the contributions to the Ottawa Congress.* Ottawa, Canada, 12–16 September 1994 (1994), 244p.
- Site burial and results of soil tests at the Mangrum Site Craighead County, Northeastern Arkansas. *The archaeological sites protection and preservation notebook.* Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), pp. ASPPN II-1-1-8.
- Site impact in the Rio Abajo district, central Rio Grande River Valley, New Mexico. *The archaeological sites protection and preservation notebook.* Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), pp. ASPPN I-7-1-10.
- Site preservation at Roods Creek Mounds, Georgia. *The archaeological sites protection and preservation notebook.* Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental

Laboratory, Vicksburg (1989), pp. ASPPN III-3-1-5.

Streambank protection of the Chapel of Santa Rosa de Lima de Abiquiu, New Mexico. *The archaeological sites protection and preservation notebook*. Field preservation of cultural sites. United States Army Engineer Waterways Experiment Station. Environmental Laboratory, Vicksburg (1989), pp. ASPPN III-4-1-10.

Abdullah, W. S.; Alshibli, K. A.; and Al-Zou'bi, M. S. Influence of pore water chemistry on the swelling behavior of compacted clay. *Applied clay science*, 15, (1999), pp. 447-462.

Achenza, M. and Siviero, E., Current activities of the Centre for Studies and Research on Regional Earthen Architecture. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), pp. 366-369.

Agarwal, A. *Mud, mud: the potential of earth-based materials for third world housing*. Earthscan, London (1981), 100p.

Agattau, P. and Aru, D., A new building in raw earth. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), pp. 276-278.

Agnew, N., The Getty adobe research project at Fort Selden. Volume I, experimental design for a test wall project. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, 14-19 October 1990 (1990), pp. 243-249.

Agnew, N.; Po-Ming, L.; Li, Z.; and Wang, X. A lightweight composite panel for the repair of cave roofs at the Mogao grottoes, China. *Conservation and management of archaeological sites*, 3, (1999), pp. 135-144.

Agnew, N.; Preusser, F.; and Druzik, J. R., Strategies for adobe preservation – The Getty Conservation Institute research program. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22-23 October 1987 (1988), pp. 3-11.

Aguilar, E. and Falck, N., San Antonio de Oriente conservation, restoration, and development. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 250-255.

Ahmed, I., Earthen architecture in the wet climate of Bangladesh and future directions for its conservation and upgrading. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 52-57.

Akbar, J. A.; Serageldin, I.; and El-Sadek, S., Courtyard houses: a case study from Riyadh, Saudi Arabia. *The Arab city: its character and Islamic cultural heritage*. Medina, Saudi Arabia, 28 February-05 March 1981 (1982), pp. 162-176.

Akhmedova, E., Archaeological monuments and sites in the Middle Volga. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), p.443.

Al-Kass, R.; Hadi, M.; Khalil, N.; and Ali, F. Ancient Babylonian bricks: their technological characterization and simulation. In *Structural repair and maintenance of historical buildings*. Brebbia, C. A., Editor. Computational

Mechanics Publications, Southampton (1989), pp. 71–80.

- Al-Mukhtar, M.; Belanteur, N.; Tessier, D.; and Vanapalli, S. K.** The fabric of a clay soil under controlled mechanical and hydraulic stress states. *Applied clay sciences*, 11, (1996), pp. 99–115.
- Alawaji, H. A.** Swell and compressibility characteristics of sand–bentonite mixtures inundated with liquids. *Applied clay science*, 15, (1999), pp. 411–430.
- Alegria, J. A.**, Arquitecturas em terra: uma perspectiva cultural. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 581–584.
- Aleman Andrade, R. M.**, An intervention methodology proposal for the conservation and restoration of earthen architecture. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 457–460.
- Alesiani, M.; Capuani, S.; Curzi, F.; Mancini, L.; and Maraviglia, B.**, Evaluation of stone pore size distribution by means of NMR. *Proceedings of the 9th international congress on deterioration and conservation of stone*. Venice, Italy, 19–24 June 2000 (2000), pp. 579–585.
- Alessandrini, G.; Boscarino, S.; Bugini, R.; Emmi, D.; Giuffré, L.; and Tempesti, E.**, The walls of Capo Soprano at Gela (Southern Sicily): materials and their decay. *The conservation of monuments in the Mediterranean Basin: the influence of coastal environment and salt spray on limestone and marble. Proceedings of the 1st international symposium*. Bari, Italy, 7–10 June 1989 (1990), pp. 235–241.
- Algorri Garcia, E.** Tres soluciones en la restauracion del Palacio de Toral de los Guzmanes, Leon, Espana. *Informes de la construccion*, 46, no. 434 (1994), pp. 27–38.
- Alonso, E. E.; Vaunat, J.; and Gens, A.** Modelling the mechanical behaviour of expansive clays. *Engineering geology*, 54, (1999), pp. 173–183.
- Alva, A. ; Doat, P.; Guillaud, H.; Houben, H.; Joffroy, T.; Odul, P.; Teutonico, J. M.; and Trappeniers, M.**, CRATerre–EAG, ICCROM long–term plan for the preservation of the earthen architectural heritage: The gaia project. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 461–467.
- Alva, A. and Houben, H.**, CRATerre–EAG, ICCROM – The Gaia Project. Current status and future directions. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 639–644.
- Alva, A. and Houben, H. Coordinators**, *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), p.110p.
- Alva Balderrama, A. and Chiari, G.** Protección y conservación de estructuras excavadas de adobe = Protection and conservation of excavated adobe structures. In *La conservación en excavaciones arqueológicas: con particular referencia al área del Mediterraneo = Conservation on archaeological excavations: with particular reference to the Mediterranean area*, Price, N. P. S., Editor. Ministerio de cultura. Direccion General de Bellas Artes y Archivos., Madrid (1987), pp. 113–123.

- Alva Balderrama, A. and Chiari, G.** Protection and conservation of excavated structures of mudbrick. In *Conservation on archaeological excavations: with particular reference to the Mediterranean area*, Price, N. P. S., Editor. ICCROM, Rome (1984), pp. 109–120.
- Alva Balderrama, A. and Teutonico, J. M.**, Notes on the manufacture of adobe blocks for the restoration of earthen architecture. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima–Cuzco, Peru, 10–22 September 1983 (1983), pp. 41–54.
- Alvarenga, M. A. A.**, Adobe: constructive method and thermic characteristics. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 357–362.
- Alvarenga, M. A. A.**, A arquitetura de terra no ciclo do ouro, em Minas Gerais–Brasil. *7a conferência internacional sobre o estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 29–36.
- Alvarez, A.** Sepiolite: properties and uses. In *Palygorskite sepiolite: occurrences, genesis and uses*, 37. Singer, A. and Galan, E., Editors. Elsevier, Amsterdam (1984), pp. 253–287.
- Alvarez de Buergo, M.; Fort, R.; and Gómez Heras, M.**, Efficiency of stone conservation treatments by means of scanning electron microscopy. *Proceedings of the 8th euroseminar on microscopy applied to buildings materials*. Athens, Greece, 04–07 September 2000 (2001), pp. 503–510.
- Amer, S. A.; Keefer, T. O.; Wetz, M. A.; Goodrich, D. C.; and Bach, L. B.** Soil moisture sensors for continuous monitoring. *Water resources bulletin*, 30, no. 1 (1994), pp. 69–83.
- American Institute for Conservation**, *Abstracts of papers presented at the nineteenth annual meeting*. Albuquerque, New Mexico, 3–8 June 1991 (1991), p.iv + 86p.
- American Institute for Conservation of Historic and Artistic Works**, *Abstracts of papers presented at the twentieth annual meeting of the American Institute for Conservation of Historic and Artistic Works*. Buffalo, New York, 2–7 June 1992 (1992), vi + 81p.
- American Society for Testing Materials**. *ASTM standards on soil stabilization with admixtures*. ASTM, Philadelphia (1990), 112 p.
- Amit, R. and Yaalon, D. H.** The micromorphology of gypsum and halite in Reg soils: the Negev Desert, Israel. *Earth surface processes and landforms*, 21, (1996), pp. 127–143.
- Anderson, D. G. and Russo, M.** Native earthen architecture in eastern North America. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 49–51.
- Anonymous**. *Adobe past and present*. (reprinted from *El palacio*, 77, no.4), Museum of New Mexico, Santa Fe (1972) 39p.
- Anonymous**. *Preservation of the monument of Mohenjo–Daro, Pakistan*. ICCROM, Rome (1964), 63p.
- Anselmetti, F. S.; Luthi, S.; and Eberli, G. P.** Quantitative characterization of carbonate pore systems by digital image analysis. *American association of petroleum geologists bulletin*, 82, no. 10 (1998), pp. 1815–1836.
- Aradeon, D.**, African architectural technology. *Second world Black and African festival of arts and culture*. Lagos,

Nigeria, 17–31 January 1977 (1977)

- Armbrust, D. V. and Dickerson, J. D.** Temporary wind erosion control: cost and effectiveness of 34 commercial materials. *Journal of soil water conservation*, 26, (1971), pp. 154–157.
- Armbrust, D. V. and Lyles, L.** Soil stabilizers to control wind erosion. In *Soil conditioners, Soil science society of America special publication*, 7. Soil Science Society of America (1975), pp. 77–82.
- Arnold, A.** Determination of mineral salts from monuments. *Studies in conservation*, 29, no. 3 (1984), pp. 129–38.
- Arnold, A.**, Nature and reactions of saline minerals in walls. *The conservation of stone II: reprints of the contributions to the international symposium*. Bologna, Italy, 27–30 October 1981 (1981), pp. 13–23.
- Arnold, A.**, Rising damp and saline minerals. *4th international congress on the deterioration and preservation of stone objects*. Louisville, Kentucky, 7–9 July 1982 (1982), pp. 11–28.
- Arnold, A.** Salt minerals in masonry. *Schweizerische mineralogische und petrographische mitteilungen*, 61, no. 1 (1981), pp. 147–166.
- Arnold, A.**, Soluble salts and stone weathering. *The conservation of stone I: proceedings of the international symposium*. Bologna, Italy, 19–21 June 1975 (1976), pp. 133–136.
- Arnold, A. and Kueng, A.**, Crystallization and habits of salt efflorescences on walls. Part I, methods of investigation and habits. *5th international congress on deterioration and conservation of stone*. Lausanne, Switzerland, 25–27 September 1985 (1985), pp. 255–268.
- Arnold, A. and Zehnder, K.**, Crystallization and habits of salt efflorescences on walls. Part II, conditions of crystallization. *5th international congress on deterioration and conservation of stone*. Lausanne, Switzerland, 25–27 September 1985 (1985), pp. 269–277.
- Arnold, A. and Zehnder, K.**, Decay of stony materials by salts in humid atmosphere. *6th international congress on deterioration and conservation of stone*. Toruń, Poland, 12–14 September 1988 (1988), pp. 138–148.
- Arnold, A. and Zehnder, K.**, Salt weathering on monuments. *The conservation of monuments in the Mediterranean Basin: the influence of coastal environment and salt spray on limestone and marble. Proceedings of the 1st international symposium*. Bari, Italy, 7–10 July 1989 (1990), pp. 31–58.
- Arnon, N. and Baca, S.**, Churches, symbols of community: the preservation of New Mexico's adobe churches. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 143–148.
- Astrom, P.** Excavations at Hala Sultan Tekke. *Archaeology*, 37, no. 2 (1984), pp. 58–81.
- Attom, M. F. and Al-Sharif, M. M.** Soil stabilization with burned olive waste. *Applied clay science*, 13, (1998), pp. 219–230.
- Atzeni, C.; Massidda, L.; and Sanna, U.**, Technological properties of earth-based construction materials treated with hydraulic cement or acrylic polymer. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 564–568.
- Aurenche, O.** *La maison orientale: L'architecture du Proche-Orient ancien des origines au milieu du quatrième*

millénaire. P. Geuthner, Paris, France (1981)

- Austin, G. S.**, Adobe and related building materials in New Mexico, U.S.A. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 417–423.
- Avrami, E.** Building institutional alliances: Project Terra. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 14–20.
- Aymerich, C. and Loddo, G.**, Terraced houses in Cabras (Sardinia). *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.449.
- Baca, S.**, Self-coordinated community preservation projects as instruments of social change: an update on 'Churches: symbols of community'. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 256–261.
- Baggio, P.; Bonacina, C.; Stevan, A.; and Fassina, V.**, Analysis of moisture migration in the walls of the S. Maria Dei Miracoli Church in Venice. *Conservation of stone and other materials: Volume 1, causes of disorders and diagnosis*, 1. Paris, France, 29 June – 1 July 1993 (1993), pp. 170–177.
- Baghaei, B. and Jöhanesson, G.**, Earthquake-resistant, affordable clay houses. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.448.
- Baker, L. R. and Jessop, E. L.** Moisture movement in clay brickwork: a review. *International journal of masonry construction*, 2, no. 3 (1982), pp. 103–109.
- Balascio, C. C.** Specifying sample masses for gravimetric testing procedures. *Transactions of the ASAE*, 34, no. 3 (1991), pp. 930–936.
- Baldussi, A.** *Etude pour une réhabilitation des architectures de terre en Sardaigne = Study for a rehabilitation of earthen architectures in Sardinia*. (1994), v + 263 p.
- Baldussi, A.**, La recuperation des constructions en terre en Sardaigne. Experiences entre culture et strategie. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 330–334.
- Baldussi, A.** *La tecnologia delle costruzioni in terra = The technology of earthen buildings*. Universita Degli Studi Di Roma (1989), 5 + 212p.
- Baradan, B.**, A new restoration material for adobe structures. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 149–152.
- Baradan, B.**, Pozzolanic plasters for adobe preservation. *Conservation of stone and other materials: Volume 2, prevention and treatments*. Paris, France, 29 June–1 July 1993 (1993), pp. 652–656.
- Baradan, B.**, Preservation of adobe walls. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal,

24–29 October 1993 (1993), pp. 429–432.

- Baranski, M.** Ruins of Ashmunein: problem of conservation. *Reports from Ashmunein: Polish–Egyptian archaeological and preservation mission at El Ashmunein*, 1. Pracownia Konserwacji Zabytków, Warszawa (1989), pp. 5–10.
- Barba Buscaglia, María del Pilar.** *Estudio y recomendaciones estructurales y constructivas para la edificación en adobe*. Universidad de Chile, Santiago, Chile (1983), 81p.
- Barbour, S. L.; Fredlund, D. G.; and Pufahl, D. E.** The osmotic role in the behavior of swelling clay soils. In *Mechanics of swelling*, H 64. Karalis, T. K., Editor. NATO ASI Series (1992), pp. 97–139.
- Barcellona, S.; Santamaria, U.; Borrelli, E.; and Laurenzi Tabasso, M.,** Evaluation of injection grouting for structural strengthening of ancient buildings. *Conservation of stone and other materials: Volume 2, prevention and treatments*. Paris, France, 29 June – 01 July 1993 (1993), pp. 637–643.
- Bardou, P. and Arzoumanian, V.** *Archi de terre*. Parentheses, Roquevaire (1978), 103p.
- Bardou, P. and Arzoumanian, V.** *Arquitecturas de adobe*. Gustavo Gili, Barcelona (1979), 165p.
- Bariola, J.; Tinman, M.; Ortiz, R.; Alberca, B.; and Vargas, J.,** Comportamiento estructural de las quincha. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 311–315.
- Barnes, M. R.** Adobe bibliography. *Bulletin of the association for preservation technology*, 7, no. 1 (1975), pp. 89–101.
- Barnes, M. R.** The endurance of earth as building material and the discreet but continuous charm of adobe. *Journal of the faculty of architecture*, 5, no. 1 (1979), pp. 37–68.
- Barosso, L.; Lucat, M.; and Mantovani, S.,** Constructions en terre crue dans la région Turinoise. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 December 1993 (1993), pp. 43–48.
- Barrow, J.** Against the odds – Hottai Ki. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 52–54.
- Barrow, J. and Taylor, M. R.** A rich building tradition. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 3–4.
- Bartolini, M.; Pietrini, A. M.; and Ricci, S.,** Application of fluorescence microscopy to evaluate the vitality of photoautotrophic biodeteriogens. *Proceedings of the 8th euroseminar on microscopy applied to buildings materials*. Athens, Greece, 04–07 September 2001 (2001), pp. 511–516.
- Basma, A. and Tuncer, E. R.** Effect of lime on volume change and compressibility of expansive clays. *Transportation and research record*, no. 1295 (1991), pp. 52–61.
- Basma, A. A.; Al-Homoud, A. S.; Husein Malkawi, A. I.; and Al-Bashabsheh, M. A.** Swelling–shrinkage behavior of natural expansive clays. *Applied clay science*, 11, (1996), pp. 211–227.
- Basu, S. C. ,** Traditional mud construction in India: a historical perspective. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 171–176.

- Bazzana, A.** , La construction en terre dans Al-Andalus: Le Tabiya . *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 76–82.
- Beas Guerrero de Luna, M. I.**, Consolidation of traditional plasters: a laboratory research. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 410–416.
- Beas Guerrero de Luna, M. I.** *Traditional architectural renders on earthen surfaces.*, Unpublished master's thesis (1991), x + 261p.
- Beas Guerrero de Luna, M. I.; Grau, P. N.; and Maguiña, C.**, La arquitectura religiosa del Valle de Oyón, Perú. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 4–8.
- Beaumont, G. and Strawbridge, M.**, Earth building in Nottinghamshire. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.447.
- Beck, K.**, Clay building: A social process for sustainable development. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 376–378.
- Becker-Ritterspach, R. O. A.** Denkmalpflege im rahmen des stadtentwicklungsprojektes Bhaktapur (1974–86) = Monument conservation within the urban development project for Bhaktapur (1974–1986). *Deutsche kunst und denkmalpflege*, 49, no. 2 (1991), pp. 124–136.
- Beckmann, P.** *Structural aspects of building conservation*. In International series in civil engineering. McGraw-Hill, London (1995), xix + 286p.
- Bedaux, R.; Diaby, B.; Maas, P.; and Sidibe, S.**, The restoration of Jenné, Mali: African aesthetics and western paradigms. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 201–208.
- Beirão, T. and Bastos, A.**, Continuity of tradition: new earth–building in the southern Alentejo, Portugal. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 279–282.
- Bellini, R.** , O cru e o cozido em arquitectura – algumas considerações à margem da arquitectura contemporânea. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 648–659.
- Belsher, D. R.** *Feasibility study on the use of a microwave system for the non-destructive evaluation of historic adobe structures*. In National Bureau of Standards NBSIR 79–1610. US Department of Commerce, Washington, D.C. (1979), iv + 27p.
- Benavente, D.; García del Cura, M. A.; Fort, R.; and Ordóñez, S.**, Determination and quantification of pore structure using backscattered electron image analysis in porous building stones. *Proceedings of the 8th euroseminar on microscopy applied to buildings materials*. Athens, Greece, 04–07 September 2001 (2001), pp. 517–524.

- Benavides Solis, J.**, Arquitectura, urbanismo y arqueología = Architecture, urbanism and archaeology. *ICOMOS 8th general assembly and international symposium 'old cultures in new worlds'. Symposium papers, volume 1 = ICOMOS 8ième Assemblée générale et colloque international 'cultures anciennes dans les mondes nouveaux'. Communications du colloque, vol. 1*. Washington, D.C., 10–15 October 1987 (1987), pp. 15–22.
- Bendakir, M. and Vitoux, F.**, Méthodologie de recherche pour la préservation du site archéologique de Mari (Syrie). *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 317–323.
- Bertagnin, M.**, La conoscenza del cantiere per un cantiere del restauro dell'architettura in terra italiana = Worksite knowledge for a worksite of restoration of Italian earth architecture. *Il cantiere della conoscenza, il cantiere del restauro. Atti del convegno di studi*. Bressanone, Italy, 27–30 June 1989 (1989), pp. 191–208.
- Bertagnin, M.**, Conservation de l'architecture en brique crue: la recherche sur les 'Casoni' du nord-est d'Italie = The conservation of mud-brick architecture: research on the Casoni of northeastern Italy. *6th international conference on the conservation of earthen architecture: adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 3–7.
- Bertagnin, M.**, De Cointeraux à Del Rosso: de la diffusion de la pensée technologique à la recherche des derniers témoignages d'architecture en pisé de Toscane. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 153–158.
- Bertagnin, M.**, Earthen architecture in Italy: Types, technologies and building cultures. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 379–382.
- Bertagnin, M.**, Il degrado dell'habitat vernacolare in terra cruda: esperienze di ricerca in Algeria e in Italia = The deterioration of the adobe vernacular habitat: research experiences in Algeria and Italy. *Manutenzione e conservazione del costruito fra tradizione ed innovazione. Atti del convegno di studi*. Bressanone, Italy, 24–27 June 1986 (1986), pp. 265–273.
- Bertagnin, M.** *Il pisé e la regola: manualistica settecentesca per l'architettura in terra = Pisé and the rule: an 18th century treatise on earthen architecture*. In *Il modo di costruire*. EdilStampa, Rome (1992), 109p.
- Bertran, P.**, Houses of the Savanas. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 634–638.
- Bewley, B. and Everson, P.**, The earth below: 'Earthworks'. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 9–12.
- Biancifiori, M. A.** *Biancifiori: works of architectural restoration in Oman*. De Luca, Rome (1994), 192 p.
- Binda, L.; Baronio, G.; Cantoni, F.; and Rocca, P.**, Full-scale models for the study of repair techniques on brick masonry surfaces. *Ceramics in architecture: proceedings of the international symposium on ceramics in architecture of the 8th CIMTEC World Ceramics congress and forum on new materials*. Florence, Italy, 28 June–01 July 1994 (1995), pp. 453–464.
- Binda, L.; Baronio, G.; and Charola, A. E.**, Deterioration of porous materials due to salt crystallization under different

thermohygro-metric conditions. Volume 1, brick. *5th international congress on deterioration and conservation of stone*, 1. Lausanne, Switzerland, 25–27 September 1985 (1985), pp. 279–288.

- Binda, L.; Garavaglia, E.; and Molina, C.** Physical and mathematical modelling of masonry deterioration due to salt crystallization. In *Durability of building materials and components: Volume 1, service life and durability of materials and components*, Lacasse, M. A. and Vanier, D. J., Editors. International conference; 8th -- 1999 May : Durability of building materials and components. National Research Council of Canada, Ottawa (1999), pp. 527–537.
- Biran, A.** Can this unique arch be saved? *ICOMOS information*, no. 1 (1988), pp. 13–16.
- Blaser, H. D. and Scherer, O. J.** Expansion of soils containing sodium sulfate caused by drop in ambient temperatures, (1969).
- Bohnert, A. S.,** The preservation of prehistoric mud plaster at Mesa Verde National Park. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 261–266.
- Bolt, G. H. ,** Cation adsorption in aqueous clay systems: an introductory review. *Proceedings of the international clay conference*. Denver, Colorado, 28 July–2 August 1985 (1987), pp. 301–304.
- Borges dos Santos, M. R.,** The modernity and tradition constructing the future. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 282–284.
- Botros, A. K. and Abdel-Mageed, W. S.,** A building unit of culture: a dialogue between the formal technology and vernacular tradition. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 283–290.
- Bouare, N.,** Raw earth techniques ('Banco' used in Mali). *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima–Cuzco, Peru, 10–22 September 1983 (1983), pp. 117–120.
- Bourgeois, J.-L.; Pelos, C.; and Davidson, B.** *Spectacular vernacular: the adobe tradition*. Aperture Foundation, New York (1989), 191 p.
- Bouwens, D.** Clay lump in South Norfolk: observations and recollections. *Vernacular Architecture*, 19, (1988), pp. 10–18.
- Bouwens, D. ,** Clay lump: the English adobe. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 14–19.
- Bouwens, D.,** English mud–brick and mud building . *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 58–63.
- Bouwens, D.,** Straw stubble thatch. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 208–209.
- Bowman, I.,** Earth building in New Zealand: a little-known heritage. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000),

pp. 210–215.

- Bowman, I.** Repair and maintenance of earth buildings. *Historic places in New Zealand*, 15, (1986), pp. 18–21.
- Boxall, J. and Trotman, P. M.** Limewash: water vapour permeability testing. *Surface coatings international*, 79, no. 3 (1996), pp. 128–129.
- Boyer, J. L.**, Architecture as a human artifact: an archaeological perspective on adobe analyses. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 197–203.
- Boyer, J. L.**, The house that Juan built: an archaeological perspective on adobe analysis. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 197–203.
- Braudeau, E.; Costantini, J. M.; Bellier, G.; and Colleuille, H.** New device and method for soil shrinkage curve measurement and characterization. *Soil science society of America journal*, 63, no. 3 (1999), pp. 525–535.
- Bredow, J.** Bauaufnahmen in Mali = Building surveys in Mali. *Bauwelt*, no. 32 (1983), pp. 1245–1253.
- Brisco, B.; Pultz, T. J.; Brown, R. J.; Topp, G. C.; Hares, M. A.; and Zebchuk, W. D.** Soil moisture measurement using portable dielectric probes and time domain reflectometry. *Water resources research*, 28, no. 5 (1992), pp. 1339–1346.
- Broms, B. B.**, Fabric reinforced retaining walls. *Theory and practice of earth reinforcement: Proceedings of the international geotechnical symposium*. Fukuoka Kyushu, Japan, 5–7 October 1988 (1988), pp. 3–31.
- Brown, G.** Crystal structures of clay minerals and related phyllosilicates. *Philosophical transactions of the royal society of london*, A 311, (1984), pp. 221–240.
- Brown, P. W.; Robbins, C. R.; and Clifton, J. R.** Adobe II: factors affecting the durability of adobe structures. *Studies in conservation*, 24, (1979), pp. 23–39.
- Brown, P. W.; Robbins, C. R.; and Clifton, J. R.** *Factors affecting the durability of adobe structures*. U.S. Department of Commerce, Washington D.C. (1978)
- Brown, R. B.**, Architecture in transition: vernacular architecture of Chachapoyas, Departamento de Amazonas, Peru. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 291–294.
- Brown, R. B.; Sandoval, B.; and Orea Magana., H.**, The protection and conservation of the adobe structures at Paquimé, Casas Grandes, Chihuahua, Mexico. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 204–208.
- Bryhn, O. R.; Loken, T.; and Reed, M. G.**, Stabilization of sensitive clays (quick clays) using Al(OH)₂5ClO₅. *Proceedings of the international clay conference*. Denver, Colorado, 28 July – 2 August 1985 (1987), pp. 427–435.
- Buelens, P. and Defreyne, M.–A.** New Mexico. In *Case studies on earth construction, Volume 3*. Centre de Recherches Architecturales, Louvain (1984), pp. 1–24.
- Bueno Mendoza, A.** *Peru: materiales para el estudio de la arquitectura arqueológica*. Editorial Universo S.A., Lima

(1977), 124 p.

- Buil, M.** Thermodynamic and experimental study of the crystallization pressure of water-soluble salts, Internationales Kolloquium Werkstoffwiss und Bausanierung Esslingen, TAE. *Lack und Chemie*, (1983), pp. 373-377.
- Bullock, O. M. Jr.**, Preservation and conservation principles and practices--materials and techniques II. Masonry and masonry products: brick, adobe, stone and architectural ceramics. *Commissioned papers, preservation and conservation: principles and practices. North American international regional conference*. Williamsburg, Pennsylvania, 10-16 September 1972 (1972), 29p.
- Bullock, P.** *Handbook for soil thin-section description*. Waine Research Publications, Wolverhampton (1985), 152 p.
- Burtea, M.**, Earthen construction in Romania. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 539-543.
- Butler, M. H.**, Cluster layouts: a basis for the design of (earthen) structures in urban dwelling environments. *Earthen buildings in seismic areas: proceedings of the international workshop held at the University of New Mexico*. Albuquerque, New Mexico, 24-28 May 1981 (1981), pp. 45-57.
- Butler, W. B.** The Avila adobe: the determination of architectural change. *Historical archaeology*, 7, (1973), pp. 30-45.
- Buzás, M.**, Earth-house. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), p.449.
- Calarco, D. A.**, San Diego royal presidio: conservation of an earthen architecture archaeological site. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), pp. 19-25.
- Camuffo, D. and Valcher, S.** A dew point signaller for conservation of works of art. *Environmental monitoring and assessment*, 6, (1986), pp. 165-170.
- Cannon, G. Y.** The bee hive house of Brigham Young. *Museum news*, 40, no. 4 pp. 32-37.
- Caperton, T. J.**, Fort Selden ruins conservation. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14-19 October 1990 (1990), pp. 209-211.
- Caperton, T. J.**, Fort Selden ruins stabilization. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22-23 September 1987 (1987), pp. 13-23.
- Caperton, T. J.**, Long-term preservation issues related to earthen archaeological sites. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 324-329.
- Cargill III, G. S.**, Radial distribution functions and microgeometry of dense random packings of hard spheres. *Physics and chemistry of porous media*. Ridgefield, Connecticut, 24-25 October 1983 (1987), pp. 21-36.
- Caron, P. and Lynch, M. F.** Making mud plaster. *APT bulletin*, 20, no. 4 (1988), pp. 7-9.
- Carpenter, J.** Soil stabilization gel media: their uses in conservation of shipwreck artefacts. *ICCM bulletin*, 12, no. 34 (1986), pp. 27-50.

- Cartes Siade, I.** Cobquecura. *Arquitecturas del sur*, no. 6 (1986), pp. 13–14.
- Casal Iglesias, F. T.**, Arquitectura de terra no século XXI: uma utopia? *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 577–580.
- Casal Iglesias, F. T.**, Arquitectura sustentable de tierra en la Habana. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 115–119.
- Casal Iglesias, F. T.**, Insólita tradición de tapial en Cuba. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 20–23.
- Casalonga, T.**, Hassan Fathy in Corsica. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 585–589.
- Casoli, A.; Chiari, G.; Burger, R.; Salazar–Burger, L.; Vizzari, M.; and Palla, G.**, Identification of the binder in the paintings of the ancient Manchay culture (Peru). *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 120–124.
- Castellanos, C. and Hoyle, A. M.**, Conservation management planning for earthen architecture, Chan Chan, Peru. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 13–18.
- Ceballos, M.**, Restauración de adobe en edificios coloniales de Antigua Guatemala. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 24–28.
- Cebeci, O. Z.; Demirel, T.; and Lohnes, R. A.** Evaluation of hysteresis in mercury intrusion porosimetry by second–intrusion method. *Transportation research record*, 1, no. 1 (1978), pp. 15–20.
- Cellauro, L. and Richaud, G.**, Le système du pisé décoré et sa diffusion sous la Revolution et l'Empire = The system of decorated pise and its diffusion under the Revolution and the Empire. *Facciate dipinte: conservazione e restauro. Atti del convegno di studi = Painted facades: conservation and restoration. Proceedings of the symposium*. Genoa, Italy, 15–17 April 1982 (1984), pp. 23–26.
- Centre de Création Industrielle (France)**. *Des architectures de terre ou l'avenir d'une tradition millénaire..* Centre Georges Pompidou, Centre de Creation Industrielle, Paris (1981), 192p.
- Centro Cultural Frances**, *Arquitectura de terra: uma versao Brasileira = Earth architecture: a Brazilian version*. Rio de Janeiro, Brazil, 6–29 May 1982 (1982), 56p.
- Cerruti, D.; Leoncini, C.; and Maspero, M.**, Edifices en terre crue du bas–Piémont: une idée pour une restauration correcte. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 417–421.
- Cestelli Guidi, C.**, Problemi e direttive salienti nell'analisi delle strutture dissestate = Problems and guidelines in the analysis of building failures. *Restauro strutturale ed architettonico: metodologie e tecniche d'intervento. XIII*

Convegno nazionale dell'associazione ingegneri = Structural and architectural restoration: methods and intervention techniques. 13th national symposium of the association of engineers. Bologna, Italy, 19 October 1980 (1980), pp. 8–11.

- Chadburn, A. and Batchelor, D.,** Preserving the earthen monuments in the Stonehenge and Avebury archaeological landscapes. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11 – 13 May 2000 (2000), pp. 26–30.
- Chagas, J. T.,** Fortificações de taipa em Portugal: aspectos construtivos. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 193–196.
- Chandra, S.; Eklund, L.; and Villarreal, R. R.** Use of cactus in mortars and concrete. *Cement and concrete research*, 28, no. 1 (1998), pp. 41–51.
- Charola, A. E. and Koestler, R. J.,** The action of salt–water solutions in the deterioration of the silico–aluminate matrix of bricks. *Il mattone di Venezia. Contributi presentati al concorso di idee su patologia, diagnosi e terapia del mattone di Venezia = The Venetian brick. Contributions presented at the congress of ideas on the pathology, diagnoses and therapy of Venetian brick.* Venice, Italy, 29 October 1982 (1982), pp. 67–76.
- Charola, A. E. and Weber, J.,** The hydration–dehydration mechanism of sodium sulphate. *7th International congress on deterioration and conservation of stone.* Lisbon, Portugal, 15–18 June 1992 (1992), pp. 581–590.
- Chausserie–Lapree, J.,** L'île de Martigues à l'âge du fer: un village en terre, histoire et préservation du site. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 212–218.
- Chayet, A.; Jest, C.; and Sanday, J.,** Earth used for building in the Himalayas, the Karakoram, and central Asia – recent research and future trends. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 29–34.
- Cheikhrouhou, A.,** Adobe for the poor: the impossible challenge. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 301–306.
- Chenu, C.** Influence of a fungal polysaccharide, scleroglucan, on clay microstructures. *Soil biology & biochemistry*, 21, (1989), pp. 299–305.
- Chenu, C.; Pons, C. H.; and Robert, M.,** Interaction of kaolinite and montmorillonite with neutral polysaccharides. *Proceedings of the international clay conference.* Denver, Colorado, 28 July – 2 August 1985 (1987), pp. 375–381.
- Chiari, G.,** Characterization of adobe as building material: Preservation techniques. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers.* Lima–Cuzco, Peru, 10–22 September 1983 (1983), pp. 31–40.
- Chiari, G.,** Chemical surface treatments and capping techniques of earthen structures: a long term evaluation. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 267–273.
- Chiari, G.** *Conservación de monumentos arqueológicos en adobe. Informe de fin de misión.* (1975) 21p.

- Chiari, G.**, Consolidation of adobe with ethyl silicate: control of long term effects using SEM. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), pp. 25–32.
- Chiari, G.** Evaluation of the preservation work on earthen architecture done in Iraq in the years 1969–71. *Mesopotamia*, 25, (1990), pp. 217–227.
- Chiari, G.**, Materials and craftsmanship. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 107–114.
- Chiari, G.** *Report on field mission to Turkey for the conservation of the site of Acemhoyuk, 15–30 May 1984*. (1984) 11p.
- Chiari, G.; Burger, R.; and Salazar-Burger, L.**, Treatment of an adobe painted frieze in Cardal, Peru and its evaluation after 12 years. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 216–217.
- Chiari, G.; Giordano, A.; and Menges, G.** Non destructive X-ray diffraction analyses of unprepared samples. *Science and technology for cultural heritage*, 5, no. 1 (1996), pp. 21–36.
- Chiari, G.; Invernizzi, A.; and Bertolotto, G.**, Investigation and restoration of clay fragmentary statues from Old Nisa, Turkmenistan. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 228–230.
- Chiari, G.; Rigoni, M.; and Joffroy, T.**, Ethyl silicate treatments and humidity. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 422–425.
- CIB/RILEM. Fagerlund, Göran editor**, *General method for calculation of equilibrium shrinkage of porous and brittle materials: papers presented at the 2nd international CIB/RILEM symposium on moisture problems in buildings*. Rotterdam, Netherlands, 10–12 September 1974 (1975), 13p.
- Cionti, G.**, Raw earth buildings in Abruzzo, Italy. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.450.
- Cisse, M. L.**, Architecture dogon: problématique de la conservation des Gin'na au regard des changements sociaux et religieux en milieu traditionnel dogon. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11 May 2000–13 May 2000 (2000), pp. 218–225.
- Clifton, J. R.** *Preservation of historic adobe structures: a status report*. NBS Technical Note 934, National Bureau of Standards, Washington, D.C. (1977)
- Clifton, J. R. and Davis, F. L.** *Protecting adobe walls from ground water*. Center for Building Technology, National Bureau of Standards, Washington, D.C. (1979)
- Cody, J. W.**, Earthen walls from France and England for North American farmers, 1806–1870. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 35–43.
- Coffman, R.; Agnew, N.; Austin, G.; and Doehne, E.**, Adobe mineralogy: characterization of adobes from around the

world. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 424–429.

Coffman, R.; Selwitz, C.; and Agnew, N., The Getty adobe research project at Fort Selden: II, A study of the interaction of chemical consolidants with adobe and adobe constituents. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 250–254.

Coffman, R. L.; Agnew, N.; and Selwitz, C., Modification of the physical properties of natural and artificial adobe by chemical consolidation. *Materials issues in art and archaeology II*, 185. San Francisco, California, 17–21 April 1990 (1991), pp. 201–207., 7 p.

Cointeraux, F. *Ecole d'architecture rurale, ou leçons par lesquelles on apprendra soi-même à bâtir solidement les maisons de plusieurs étages avec la terre seule*. Cointeraux, François, Paris (1790), 82p.

Collombet, R. *L'humidité des bâtiments anciens: causes et effets, diagnostic, remèdes = Dampness of old buildings: causes and effects, diagnostic, remedies*. In *Moniteur technique*. Editions du moniteur (Vivendi Universal Publishing), Paris, France (1985), 183p.

Compton, E. B., Ancestral techniques and materials used in the architecture and mural paintings of the pre-plateau sierra of the Chilean Andes. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 37–42.

Compton, E. B., Arquitectura vernacular del Valle Central de Chile = The vernacular architecture of the Central Valley of Chile. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 8–13.

Cooke, R. U. Salt weathering in deserts. *Proceedings of the geologists' association*, 92, no. 1 (1981), pp. 1–16.

Coperton, T. J., Long term preservation issues related to earthen archaeological sites. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 324–329.

Correia, M. and Merten, J. D., Restoration of the Casas Dos Romeiros using traditional materials and methods: a case study in the southern Alentejo area of Portugal. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 226–230.

Correns, C. W. Growth and dissolution of crystals under linear pressure. *Discussions of the Faraday society, London*, 5, (1949), pp. 267–271.

Costales, L. Architettura in terra: cause del deperimento e provvedimenti per la loro conservazione = Earthen architecture: causes of deterioration and conservation measures. *Bollettino degli ingegneri*, no. 12 (1987), pp. 14–20.

Crabtree, S. J.; Ehrlich, R.; and Prince, C. Evaluation of strategies for segmentation of blue-dyed pores in thin sections of reservoir rocks. *Computer vision, graphics, and image processing*, 28, (1984), pp. 1–18.

CRATerre. *Construire en terre = Building with earth*. In *Une architecture = An architecture*. Editions alternatives, Paris (1983), 286p.

- CRATerre and Gaiterre**, Aide a la conception architecturale = Assistance to architectural conception. *Marrakech 83: Habitat en terre*. September 1983 (1983), pp. 73–84.
- CRATerre–EAG**. *Compressed earth blocks: testing procedures*. In Guide Série Technologies, 16. CRATerre–EAG, Villefontaine (2000), 121p.
- CRATerre–EAG and ICCROM**. *Bibliographie sur la préservation, la restauration et la réhabilitation des architectures de terre = Bibliography on the preservation, restoration and rehabilitation of earthen architecture*. ICCROM, Rome (1993), xix+136p.
- Crocker, E.** Earthen architecture and incentives at Acoma pueblo. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 27–29.
- Crocker, E.**, The purpose and mechanics of lime renders. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 433–438.
- Crocker, E.; Atkin, T.; and Gasper, S.**, Finding the balance: recalling cultural form and process at Zuni Pueblo, New Mexico. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 370–375.
- Crosby, A.**, The causes and effects of decay on adobe structures. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), pp. 33–41.
- Crosby, A.**, Common sources of deterioration. *Adobe: practical and technical aspects of adobe conservation. Papers from the conference*. Tuscon, Arizona, 26–28 March 1983 (1983), pp. 13–18.
- Crosby, A.**, A conservation survey of adobe buildings. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima–Cusco, Peru, 10–22 September 1983 (1983), pp. 65–68.
- Crosby, A.** Earthquakes and adobes: effects and systems for intervention. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 39–44.
- Crosby, A.** *Evaluation of potential stabilization mortars for Salinas National Monument and recommendation for long-term field evaluations*. Southwest Cultural Resources Center (1986)
- Crosby, A.** *Fort Bowie National Historic Site: Historic structures preservation guide*. U.S. Dept. of the Interior, National Park Service (1983) 82p.
- Crosby, A.**, Patología Húmeda y Deterioro. Patología estructural y deterioro. *Curso Panamericano sobre la conservación y el manejo del patrimonio arquitectónico histórico–arqueológico de tierra*. Chan Chan, Peru, 10–14 December 1996 (1996), p.3.2–3.3.
- Crosby, A.** *Tumacacori National Monument: Historic structures preservation guide*. U.S. Department of the Interior, National Park Service (1983) 248p.
- Crumbie, A. K.**, Sample preparation of polished sections and microstructural observations with backscattered images in an SEM – artefacts and practical considerations. *Proceedings of the 8th euroseminar on microscopy applied to building materials*. Athens, Greece, 04–07 September 2001 (2001), pp. 489–496.

- Cseri, M. and Buzás, M.,** Hungarian earth architecture: Past and present. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 295–300.
- Cuchí, A.,** El patrimonio como modelo: El nuevo teatro de Balaguer (Catalunya). *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 307–311.
- Cuneo, P.,** The mud-brick architecture of Ghadames in Libya. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 129–133.
- Cyr, M. and Tagnit-Hamou, A.** Particle size distribution of fine powders by laser diffraction spectrometry. Case of cementitious materials. *Matériaux et constructions*, 34, (2001), pp. 342–350.
- Dallas, R.** Surveying with a camera, rectified photography. *AJ: Architectural journal*, 20, (1980), pp. 395–399.
- Danby, M.** Buildings and the environment. In *Building in hot climates: a selection of overseas building notes.* Department of the Environment, Building Research Establishment, London (1980), pp. 465–475.
- Dassler, E. L.** *Nineteenth century earthen architecture of New York state.* Columbia University/Graduate School of Architecture. Planning and Preservation, New York (1990), xvi + 250p.
- Dassler, L.** *Agritecture. Earthen architecture in France, Britain and the United States as recorded in eighteenth and nineteenth century treatises, journals and pattern books..* (1989), 28 p.
- Dassler, L.,** Nineteenth century New York state earthen homes. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 430–437.
- Dassler, L.; Hinojosa Vega, E. M.; Rainer, L.; and Teutonico, J. M.,** CRATerre–EAG, ICCROM: The Gaia Project Research Index. Progress report and future developments. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 597–604.
- Davey, N.** Building materials for the archaeologist: I, timber, wattle and daub; II, stone. *Archaeological news letter (London)*, 6, (1958), pp. 140–144.
- Davey, N.** *A history of building materials.* Phoenix House, London (1961)
- Dayre, M.** *Protection du matériau terre = Protection of earthen material.* Ecole Nationale des Ponts et Chaussées, Paris (1983), 6p.
- Dayre, M. and Kenmogne, E.,** Comportement de différents systèmes de protection superficielle des constructions en terre: résultats d'une campagne d'observation sur mûrets. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 475–479.
- Dayre, M. and Kenmogne, E.,** Étude des transferts d'humidité dans les blocs de terre crue compactée: influence de la structure des terres. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 348–352.

- de A. Soliani, C. T.; de Almeida, A. D.; Hofer, M. C.; and da Luz Bitencourt, E.,** Taipa De Sopapo Na Imigração Alemã No Rio Grande Do Sul. Estudo De Caso. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 454–459.
- de Chazelles, C.–A.,** Savoir–faire indigenes et influences coloniales dans l'architecture de terre antique de L'Extreme–Occident (Afrique du Nord, Espagne, France Méridionale). *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 159–165.
- de García, M. E. M.,** Prevención sísmica en las construcciones de adobe, en la ciudad de Guatemala después de los terremotos de 1917–1918. *6th international conference on the conservation of earthen architecture: Adobe 90 Preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 331–335.
- de Maisonneuve, P.,** Le bâti ancien dans les zones à risques. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 322–326.
- de Marco, G.; Caneva, G.; and Dinelli, A.** Geobotanical foundations for a protection project in the Moenjodaro archaeological area. *Prospezioni archeologiche*, Quaderni 1, (1990), pp. 115–120.
- de Olarte Tristán, J. L.,** The challenge of the systematic building with soil. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 515–520.
- de Oliveira, M. M.; Santiago, C. C.; and Affonseca, S. P. D.,** The study of accelerated carbonation of lime–stabilized soils. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 166–170.
- de Sousa Lima, S. J. F. and Puccioni, S.,** General considerations on the preservation of earthen architecture in Minas Gerais, Brazil: A proposal for reinforcement of a brayed mud wall structure. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 302–307.
- de Sutter, P.** *Ensayo de manual de materiales y métodos constructivos para la restauracion en la region Andina = Project for a manual of construction materials and methods for restoration work in the Andes region*. Cuzco, Peru (1978), 77 p.
- de Valencia, R.,** Indigenous habit = life. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 181–188.
- de Vos, A.** Mud as a perfectly viable building material. (1977) 7p.
- de Vos, A.,** Some aspects of traditional rural housing and domestic technology. *Proceedings of the national symposium on the traditional rural culture of Sri Lanka, Colombo*. Colombo, Sri Lanka, 11–12 June 1977 (1977), pp. 39–61.
- del Pino, I.; de Sutter, P.; and Moran P. M.,** La arquitectura de Quito frente a los sismos. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 316–321.

- Deng, Q.**, Traditional measures of moisture proof in raw soil architecture in China. *Proceedings of the international symposium on earth architecture*. Beijing, China, 1–4 November 1985 (1985), pp. 64–68.
- Department of Housing and Urban Development.** *Mud brick roofs*. In Ideas and methods exchange, 42. Department of Housing and Urban Development, Washington, D.C. (1978), i + 16p.
- Depraetere, W.; Carmeliet, J.; and Hens, H.**, Moisture transfer at interfaces of porous materials: measurements and simulations. *International workshop: historic mortars, characteristics and tests*, Unedited pre-prints. Paisley, Scotland, 12–14 May 1999 (1999)
- Dethier, J.** Back to earth. *The architectural review*, 188, no. 1123 (1990), pp. 80–83.
- Diaby, B. H. and Diop, A.**, L'architecture de terre de Djenné: problématique de sa conservation. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 389–393.
- Diamond, S.** Mercury porosimetry: an inappropriate method for the measurement of pore size distributions in cement-based materials. *Cement and Concrete Research*, 30, (2000), pp. 1517–1525.
- Diamond, S. and Leeman, M. E.** Pore size distributions in hardened cement paste by SEM image analysis. *Materials research society symposium proceedings*, 370, (1995), pp. 217–226.
- Dias, G. J. P.**, Uso da taipa no Alentejo: apontamentos em defesa da sua reutilização. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 123–128.
- Didier, G. and Ghomari, F.**, Méthodologie d'étude au laboratoire de la tenue à l'eau du matériau terre. *6th international conference on the conservation of earthen architecture: Adobe 90 Preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 393–400.
- Didillon, H.; Didillon, J.-M.; Donnadieu, C.; and Donnadieu, P.** *Habiter le désert. Les maisons mozabites = Living in the desert. The mozabite houses*. In Architecture + researchers. Pierre Mardaga, Bruxelles, 254p.
- Dierks, K. and Ziegert, C.**, Rammed earth as used for the new Chapel of Reconciliation in Berlin. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 447–448.
- Dijma, G.** Rehydration of fired clay in the soil. *Epitoanyag*, 25, no. 6 (1973), pp. 229–34.
- Direcção Geral dos Edifícios e Monumentos Nacionais. Alçada, M. editor.**, *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), 659p.
- Dixon, J. B. and Weed, S. B. (Editors).** *Minerals in soil environments*. 2nd ed. Soil Science Society of America, Madison (1989), 1244p.
- Doat, P.; Houben, H.; Guillaud, H.; and Dayre, M.** Architecture de terre = Earthen architecture. *Les carnets de la recherche architecturale*, (1986), pp. 117–132.
- Dobson, S.**, Continuity of tradition: new earth building. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.275.

- Doehne, E.**, Environmental scanning electron microscopy. *Sociedad española de microscopia electronica, xvii reunion bienal*. Oviedo (1995), pp. 26–27.
- Doehne, E.** ESEM development and application in cultural heritage conservation. In *In-situ microscopy in materials research: leading international research in electron and scanning probe microscopies*, Gai, P. L., Editor. Kluwer Academic Publishers (1997), pp. 45–62.
- Doehne, E.**, In situ dynamics of sodium sulfate hydration and dehydration in stone pores: observations at high magnification using the environmental scanning electron microscope. *The conservation of monuments in the Mediterranean basin: stone and monuments, methodologies for the analyses of weathering and conservation: proceedings of the 3rd international symposium*. Venice, Italy, 22–25 June 1994 (1994), pp. 143–150.
- Doehne, E. and Stulik, D.** Applications of the environmental scanning electron microscope to conservation science. *Scanning microscopy*, 4, no. 2 (1990), pp. 275–286.
- Doehne, E. and Stulik, D.**, Dynamic studies of materials using the environmental scanning electron microscope. *Materials issues in art and archaeology II: symposium*. San Francisco, California, 17–21 April 1990 (1991), pp. 31–38.
- Dowdy, K. and Taylor, M. R.**, Investigations into the benefits of site burial in the preservation of prehistoric plasters in archaeological ruins. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 480–487.
- Driessen, P. M. and Schoorl, R.** Mineralogy and morphology of salt efflorescences on saline soils in the Great Konya Basin, Turkey. *Journal of Soil Science*, 24, no. 4 (1973), pp. 436–42.
- Dube, B. and Ndoro, W.**, Preservation of Dhaka structures from archaeological sites. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 452–453.
- Dubus, M.**, Le point sur les possibilités de l'électro-osmose pour la conservation de l'architecture de terre = Overview of the possibilities of electro-osmosis for the conservation of earthen architecture. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 401–403.
- Ducloux, J.; Guero, Y.; Fallavier, P.; and Valet, S.** Mineralogy of salt efflorescences in paddy field soils of Kollo, southern Niger. *Geoderma*, 64, (1994), pp. 57–71.
- Easton, D.**, The restoration and revitalization of rammed earth in California. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 469–474.
- Eaton, R.** Mud: an examination of earth architecture. *The architectural review*, no. 1016 (1981), pp. 222–230.
- Eberl, D. D.** Clay mineral formation and transformation in rock and soils. *Philosophical transactions of the royal society of London*, 311 A, (1984), pp. 241–257.
- Ecole Nationale des Travaux Publics de l'Etat. Vaulx-en-Velin and Université Jean-Moulin-Lyon III.** *Le patrimoine européen en terre et sa réhabilitation. Colloque international = European earthen heritage and its rehabilitation. International colloquium*. Ecole Nationale des Travaux Publics de l'Etat, Vaulx-en-Velin, France

(1987), 583p.

- Ehrenhard, J. E.** Groundwater and archaeology: some observations. *Cultural resource management bulletin*, 2, no. 2 (1979), pp. 6–9.
- Ehrlich, R.; Kennedy, S. K.; Crabtree, S. J.; and Cannon, R. L.** Petrographic image analysis, I. Analysis of reservoir pore complexes. *Journal of sedimentary petrology*, 54, no. 4 (1984), pp. 1365–1378.
- El-Ashiry, H.**, The rehabilitation of Ad-Darciyya. *Islamic Cairo: architectural conservation and urban development of the historic centre. Proceedings of a seminar organized by the Goethe Institute*. Cairo, Egypt, 1–15 October 1980 (1980), pp. 81–83.
- Eller, H. and Denoth, A.** A capacitive soil moisture sensor. *Journal of hydrology*, 185, no. 1 (1996), pp. 137–146.
- Emerson, T. E. and Woods, W. I.**, The slumping of the Great Knob: an archaeological and geotechnic case study of the stability of a great earthen mound. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 219–224.
- Emrick, M. and Meinhardt, C.**, Reconstruction of traditional structures in the Al-turaif quarter, Dir'lyah, Kingdom of Saudi Arabia. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 153–158.
- English Nature Agency.** *Conservation issues in strategic plans*. Countryside Commission, English Heritage, English Nature, Cheltenham (1993), 61p.
- Eric, M.**, Vernacular adobe architecture in Turkey and proposals for its re-evaluation. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), pp. 43–50.
- Ernesto, A.; Bernales, J. J. B.; Neumann, J. V.; and Mehta, P. K.** Improving the moisture resistance of adobe structures. *Materials and structures: research and testing*, 21, no. 128 (1988), pp. 213–220.
- Ertugrul, I.** Moenjodaro: the mirror of Indus Valley civilisation. *Arts and the Islamic world*, 1, no. 2 (1983), pp. 76–78.
- Eslinger, E. and Pevear, D.** *Clay minerals for petroleum geologists and engineers*. In SEMP short course notes, 22. Society of Economic Paleontologists and Mineralogists (SEPM), Tulsa (1988), 423p.
- Esmael, F. A.; Albouhy, G.; and Hassanain, M.** Conservation and rehabilitation of Rachid (Egypt). In *Experience of Mediterranean historic towns in the integrated process of rehabilitation of urban and architectural heritage: documents produced in the 2nd phase of the priority action (1986) = Expériences des villes historiques Méditerranéennes en matière des processus intégrés de réhabilitation du patrimoine urbain et architectural: textes rédigés au cours de la deuxième phase de l'action prioritaire (1986)*. MAP technical reports series, 14. United Nations Environment Programme (UNAP), Split (1987), pp. 65–111.
- Espinosa, A.**, Conservation and restoration of the murals of the Temple of the Paintings in Bonampak, Chiapas. *In situ archaeological conservation: proceedings of meetings*. Mexico, 6–13 April 1986 (1987), pp. 84–89.
- Espinosa, I. V.**, Study of the materials used in the earthen walls of the city of Granada (Spain). *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 464–468.

- Esposti, V. D.**, Typological and constructional features in the agricultural participation land of Cento. The raw clay building area . *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 359–363.
- Eswaran, H. and Carrera, M.**, Mineralogical zonation in salt crust. *Proceedings, international symposium on salt affected soils* . Karnal, India, 18–20 February 1980 (1980), pp. 20–30.
- Ettinger, L. J.** Mud bricks: along the Nile and in the Negev. *Bulletin of the Israeli academic center in Cairo*, 4, (1984), pp. 416–17.
- Farmer, V. C.** Synthetic and natural allophane and imogolite: a synergistic relationship, pp. 346–354.
- Felton, D. L.** *Santa Cruz Mission State Historic Park: architectural and archeological investigations, 1984–1985*. California Department of Parks and Recreation, Sacramento (1987), 170p.
- Ferm, Richard L.**, Synthetic latex–soil slurry: a new adobe preservation technique. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 274–276.
- Fiedermutz–Laun, A.; Gruner, D.; Haberland, E.; and Striedter, K. H.** *Aus erde geformt: lehmbauten im West-und Nordafrika. = Made of earth: adobe buildings in West and North Africa..* von Zabern, P., Mainz (1990), 171p.
- Fiero, K.; Matero, F. G.; and Rivera, A. B.**, Preservation of prehistoric earthen architectural finishes in Mesa Verde National Park, Colorado. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11 – 13 May 2000 (2000), pp. 31–38.
- Fiès, J. C.** Analysis of soil textural porosity relative to skeleton particle size, using mercury porosimetry. *Soil science society of America journal*, 56, (1992), pp. 1062–1067.
- Finet, A. (Editor).** *Lorsque la royauté descendit du Ciel: les fouilles belges du Tell Kannas sur l'Euphrate en Syrie = When royals came down from heaven: Belgian excavations of Tell Kannas on the Euphrates in Syria.* Musée royal de Mariemont (1982), 150 p.
- Fishburn, C. C.; Watstein, D.; and Parsons, D. F.** *Water permeability of masonry walls.* National Bureau of Standards, Washington, D.C. (1938), 39p.
- Fitch, J. M.** Conservation of historic masonry: the social and technical parameters. *Durability of building materials*, 5, no. 3–4 (1988), pp. 279–290.
- Fitzner, B.**, Porosity analysis: a method for the characterization of building stones in different weathering states. *International symposium on the engineering geology of ancient works, monuments and historical sites; preservation and protection*. Athens, Greece, 19–23 September 1988 (1988), pp. 2031–2037.
- Fitzpatrick, E. A. and Gudmundsson, T.** The impregnation of wet peat for the production of thin sections. *Journal of soil sciences*, 29, (1978), pp. 585–587.
- Flores, R.**, El uso del tapial en la selva del Perú. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.445.
- Flores, R.**, Estudio de tapial para la intervención en edificaciones de interés cultural – Brasil. *Terra 2000: 8th*

- international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 231–237.
- Fodde, E.**, Decorative interior features of twentieth-century *ladiri* buildings of Campidano and their traditional repair methods. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 125–131.
- Ford, M. L.**, 'A good hat and a good pair of boots': literary references to cob. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), p.450.
- Fouade, G.**, Construire en terre en zone littorale marine. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 547–551.
- Fowden, L.; Barrer, R. M.; and Tinker, P. B.** Clay minerals: their structure, behaviour and use. *Philosophical transactions of the royal society of London*, A 311, (1984), p.212.
- Fowler, P. J.** The experimental earthworks 1958–88. *Report. Council for British archaeology*, 39, (1989), pp. 83–98.
- Frasheri, G.**, The use of earth as building material in Albania. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 112–116.
- French, P.**, The problems of in situ conservation of mudbrick and mud plaster. *In situ archaeological conservation. Proceedings of meetings.* Mexico, 06–13 April 1986 (1987), pp. 78–83.
- Friedman, O.** *Architectural and archaeological monuments and the problems of their preservation.* 4p.
- Fripiat, J. J.; Letellier, M.; and Levitz, P.** Interaction of water with clay surfaces. *Philosophical transaction of the royal society of London*, 311 A, (1984), pp. 287–299.
- Fuerstenau, D. W.** Adsorption and electrical double layer phenomena at mineral–water interfaces. In *Physics and chemistry of porous media*, Johnson, D. L. and Sen, P. E., Editors. American Institute of Physics, New York (1987), pp. 209–223.
- Fukue, M.; Okusa, S.; and Nakamura, T.** Consolidation of sand–clay mixtures. In *Consolidation of soils: testing and evaluation. ASTM Special Technical Publication.*, 892. Yong, R. N. and Townsend, F. C., Editors. ASTM, Philadelphia (1986), pp. 627–641.
- Fukuoka, M.**, Earth reinforcement – West and East. *Theory and practice of earth reinforcement: Proceedings of the international geotechnical symposium*. Fukuoka Kyushu, Japan, 5–7 October 1988 (1988), pp. 33–47.
- Gabriels, D. and de Boodt, M.**, Erosion reduction for chemically treated soils: A laboratory experiment. *Soil conditioners: proceedings of a symposium, experimental methods and uses of soil conditioners.* Las Vegas, Nevada, 15November 1973–16November 1973 (1975), pp. 95–102.
- Gabriels, D. M.; Moldenhauer, W. C.; and Kirkham, D.** Infiltration, hydraulic conductivity, and resistance to water–drop impact of clod beds affected by chemical treatment. *Soil Science Society of America proceedings*, 37, (1973), pp. 634–637.

- Gabus, J.** Monuments historiques du Dahomey et du Cameroun: projets de restauration = Historical monuments in Dahomey and Cameroon: restoration projects. *Museum*, 20, no. 2 (1967), pp. 131–140.
- Galdieri, E.** L'architettura in terra cruda: caratteristiche tecnologiche, potenzialità formali e problemi di conservazione = Earthen architecture: technological properties, formal potential, and problems of conservation. *Restauro*, 16, no. 94 (1987), pp. 55–72.
- Galdieri, E.,** Arquitectura de tierra en Italia: desde las colonias griegas hasta la dominación española. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, Mexico, 14–19 October 1990 (1990), pp. 50–52.
- Galdieri, E.,** At the origins of ceramics: earthen architecture. *Ceramics in architecture: proceedings of the international symposium on ceramics in architecture of the 8th CIMTEC world ceramics congress and forum on new materials*. Florence, Italy, 28 June – 01 July 1994 (1995), pp. 213–218.
- Galdieri, E.,** La brique crue en Italie: avons-nous une politique de conservation? *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1987), pp. 51–56.
- Galdieri, E.** *Le meraviglie dell'architettura in terra cruda = The wonder of earthen architecture..* Editori laterza, Bari, Italy (1982), 305p.
- Galdieri, E.** *Missione in Israele, 26.7/4.8.1981. = Mission in Israel, 26/7–4/8/1981.* E. Galdieri, Rome (1981) 12p.
- Gallego Roca, F. J.; Valverde Espinosa, I.; Lopez Osorio, J. M.; de Los Santos Fernandez, A. M.; Barranco, J. M.; Ortega, E. O.; and Fajardo Martinez, R.,** The city walls of Granada (Spain). Use, conservation and restoration. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 272–277.
- Gallieri, G.** L'uso della terra cruda nella manutenzione del sito archeologico di Monte Bibele = The use of earth in the maintenance of the archaeological site of Monte Bibele. *Archeologia: recupero e conservazione*, (1993), pp. 151–167.
- Gamboa Carrera, E.,** Las Cuarenta Casas archaeological zone: consolidation and maintenance at Chihuahua, Mexico. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 353–358.
- Garau, I.,** Earthen house in Sardinia between recovery and innovation. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 335–340.
- Garrecht, H.; Hilsdorf, H. K.; and Kropp, J.,** Hygroscopic salts--influence on the moisture behaviour of structural elements. *Durability of building materials and components. Proceedings of the 5th international conference*. Brighton, United Kingdom, 7–9 November 1990 (1990), pp. 313–324.
- Garrison, J. W.,** The evolution of adobe construction systems in the Southwest (U.S.A.) and related conservation issues. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 53–56.

- Gentileau, J.**, Les remparts de Taroudannt, enjeu de développement. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 444–445.
- George, E. Compiler.** Adobe bibliography. *APT bulletin*, 5, no. 4 (1973), pp. 97–103.
- Gerard, R. E.; Philipson, C. A.; Manni, F. M.; and Marschall, D. M.** Petrographic image analysis: an alternate method for determining petrophysical properties. In *Automated pattern analysis in petroleum exploration*, Palaz, I. and Sengupta, S. K., Editors. Springer Verlag, New York (1992), pp. 249–263.
- Giardinelli, S. and Conti, G.**, The restoration of the D'Orazio house, Casalincontrada. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 238–241.
- Ginell, W. S.; Tolles, E. L.; Gavrilovic, P.; and Sendova, V.**, Seismic shaking table tests of retrofits for large-scale model adobe structures. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 242–248.
- Glew, D.**, Mud-and-stud construction: compliance with modern planning and building regulations. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 312–318.
- Golany, G. S.** *Earth-sheltered habitat: history, architecture and urban design*. Van Nostrand Reinhold, New York (1983), 240p.
- González, E. M. and Prieto, M. B.**, Sistemas estructurados de madera en iglesias de tierra del norte de Chile. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 249–253.
- Goodhew, S.; Griffiths, R.; Short, D.; and Watson, L.**, Some preliminary studies of the thermal properties of Devon cob walls. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 139–143.
- Goudie, A. S.** Calcrete. In *Chemical sediments and geomorphology: precipitates and residua in the near-surface environment*, Goudie, A. S. and Pye, K., Editors. Academic Press, London (1983), pp. 93–131.
- Grigg, Milton L.** *A study for the preservation of the Old Mud Meeting House, Mercer County, Kentucky*. (1975) 2 + 16p.
- Grissom, C. A. and Weiss, N. R.** Supplement: Alkoxysilanes in the conservation of art and architecture, 1861–1981. *Art and archaeology technical abstracts*, (1981), pp. 149–202.
- Gruner, D.** Lehmarchitektur am Niger = Earthen architecture in the Niger Valley. *Swissair gazette*, no. 11 (1986), pp. 26–34.
- Guerrero, I. C. and Bardán, M. V.**, Earth-wall constructions: an advantage for landscape integration. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 618–623.
- Guillaud, H.** Earth architecture in France: history, localization and prospect. *Adobe today's earthbuilder*, no. 39 (1983), pp. 30–39.

- Guillaud, H.; Joffroy, T.; and Ogunsusi, V.,** Nigeria: une commission nationale des musees et monuments, fer de lance d'une utilisation actualisée de l'architecture de terre . *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 628–633.
- Güntzel, J. G.,** . Saltpetre and clay buildings. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 92–96.
- Göller, A.** Messen im kopf: geuchtemessung im raster – neues diagnosekonzept in bauwerken= Probe detection: determination of moisture content in a matrix – a new diagnosis concept for monuments. *Bautenschutz & bausanierung*, no. 6 (1999), pp. 22–27.
- Güntzel, J. G.,** On the history of clay buildings in Germany. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 57–65.
- Hafiz, F.** Algérie: étude pathologique de Ksar = Algeria: pathological study of 'Ksar'. *Bulletin d'information du CRATerre*, no. 3 (1989), pp. 15–16.
- Hammond, N.** The earliest Maya. *Scientific American*, 236, no. 3 (1977), pp. 116–133.
- Harries, R.; Clark, D.; and Watson, L.,** A rational return to earth as a contemporary building material. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 319–321.
- Harris, C. and Borer, P.,** Structural rammed earth at the Centre for Alternative Technology. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 322–326.
- Harrison, J. R.** The mud wall in England at the close of the vernacular era. *Transactions of the ancient monuments society*, no. 28 (1984), pp. 154–174.
- Harrison, J. R.,** The "slow" method of construction of traditional wet mixed and placed mass subsoil walling in Britain. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 66–71.
- Harrison, J. R.** Some clay dabbins in Cumberland: their construction and form, part 1. *Transactions of the ancient monuments society*, no. 33 (1989), pp. 97–151.
- Hartzler, R.** *Acrylic-modified earthen mortar: a program of investigation and laboratory research into acrylic-modified earthen mortar used at the prehistoric Pueblo sites..* In Professional Paper, 61. Intermountain Cultural Resource Center, Santa Fe (1996), 139p.
- Hartzler, R.** Holding down the forts: the army, adobe, and preservation. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 55–58.
- Hartzler, R. L. and Oliver, A. B.,** Learning from the site: Evolution of the Fort Union strategic preservation plan. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11 – 13 May 2000 (2000), pp. 39–45.
- Hayden, J. D.** Adobe and salt erosion: solution. *Earth & Sun*, no. 49 (1987), p.27.

- Hays, A. and Matuk, S.**, Mundos geo-arquitectónicos: estudio y conservación = Geo-architectural worlds: study and conservation. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 394–401.
- Heller-Kallai, L.**, Clay-salt interactions. *Proceedings of the vii international clay conference*. Bologna and Pavia, Italy, 06–12 September 1981 (1981), pp. 127–132.
- Helmi, F. M.**, Deterioration and conservation of some mud brick in Egypt. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 277–282., 3 figs.p.
- Heredia Zavoni, E. A.; Bariola Bernales, J. J.; Vargas Neumann, J.; and Mehta, P. K.** Improving the moisture resistance of adobe structures. *Materials and structures*, 21, (1988), pp. 213–221.
- Hill, B.; Roger, T.; and Vorhagen, F. W.** Comparative analysis of the quantization of color spaces on the basis of the CIELAB color-difference formula. *ACM transactions on graphics*, 16, (1997), pp. 109–54.
- Hill, D. V.** Salt erosion and adobe architecture. *Earthbuilder*, 46, (1986), pp. 42–44.
- Hirschu, S. and Hirschi, M.** *L'architecture au Yemen du nord = Architecture in northern Yemen*. In Architectures. Berger-Levrant, Paris (1983), 347p.
- Holmes, T. J.**, Architecture in China: 'The work of earth and wood'. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 132–136.
- Holtz, R. D.** *Geosynthetics for soil improvement: proceedings of the symposium*. In Geotechnical Special Publication, 18. American Society of Civil Engineers, New York (1988), 213p.
- Hou, J. and Li, Z.**, Research on the earthen residential formation of the Jiaohe ancient city in Turfan. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 166–170.
- Hou, J. and Weitung, J.**, Earth – culture – architecture: the protection and development of rammed earth and adobe architecture in China. *6th International Conference on the Conservation of Earthen Architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 72–76.
- Houben, H.**, Earthquake hazards to the earth buildings in Ningxia. *Proceedings of the international symposium on earth architecture*. Beijing, China, 1–4 November 1985 (1985), pp. 55–63.
- Houben, H. and Alva, A.**, A computer animated simulation 'ethyl silicate stabilization'. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1987), pp. 57–58.
- Houben, H. and Guillaud, H.** *Earth construction: a comprehensive guide*. In Earth construction series. Intermediate Technology Publications, London (1994), 362p.
- Houben, H. and Guillaud, H.** *Earth construction primer: project, earth construction technologies appropriate to developing countries*. Université catholique de Louvain, Louvain-la-Neuve (1984), 361 p.
- Houben, H. and Guillaud, H.** *Manual on surface protection*. In Earth construction technology. UNCHS (Habitat), Nairobi

(1986), 57p.

- Hoyle, A. M.**, Chan Chan: aportes para la conservacion de la arquitectura de tierra = Chan Chan: contributions to the conservation of earthen architecture. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 225–229.
- Hoyle, A. M.; Carcelén, J.; and Saavedra, F.**, Conservation of the Tomaval Castle. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*, DGEMN. Silves, Portugal, 24–29 October 1993 (1993), pp. 222–227.
- Huang, K.; Jiang, H.; Cai, R.; and Feng, L.**, The weathering characteristics of the rocks of the Kezier Grottoes and research into their conservation. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 283–288.
- Hughes, R.** Material and structural behaviour of soil constructed walls. *Monumentum*, 26, no. 3 (1983), pp. 175–188.
- Hughes, R.**, Problems and techniques of using fresh soils in the structural repair of decayed wall fabric. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1987), pp. 59–69.
- Hughes, R. E.**, Survey techniques and strengthening of existing soil buildings. *International colloquium on earth construction technologies appropriate to developing countries*. Brussels, Belgium, 10–12 December 1984 (1985), pp. 191–224.
- Huls, M. E.** *Earth construction: a bibliography of current literature*. In Architecture series: Bibliography, A1917. Vance Bibliographies, Monticello, Illinois (1987), 6p.
- Hung, M. N.**, A terra nas edificações do século XVI em Alcala de Henares. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 445–451.
- Huo, F. and Cao, S.-K.**, The precautions against the earthquake and the anti-seismic for Ningxia's earth architecture. *Proceedings of the international symposium on earth architecture*. Beijing, China, 01–04 November 1985 (1985), pp. 115–123.
- Hurd, J.**, The role of a conservator in post-disaster and post-war reconstruction and rehabilitation. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 402–403.
- Hurd, J. and Gourley, B.** *Terra Britannica: a celebration of earthen structures in Great Britain and Ireland*. James & James, London (2000), 59p.
- Hyland, A. D. C. Adinyra G. L.** Conservation practice in Ghana. A case study: the Fetish House at Asawasi (Ashanti). *Monumentum*, 8, (1972), pp. 99–113.
- ICCROM.** *Clay, mud brick, adobe: a bibliography*. (1981)
- ICCROM.** Conference on "Conservation on Archaeological Excavations", Nicosia, Cyprus, 23–26 August 1983. (1983) 120p.
- ICCROM and Rijksuniversiteit te Gent,** *Preventive measures during excavation and site protection = Mesures*

préventives en cours de fouilles et protection des sites. Ghent, Belgium, 6–8 November 1985 (1986), 318p.

- International Council of Monuments and Sites; University of Plymouth; and English Heritage**, *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), 452p.
- Iowa, J.** *Ageless adobe: history and preservation in Southwestern architecture*. Sunstone Press, Santa Fe (1985), 158p.
- Jafarzadeh, A. A. and Burnham, C. P.** Gypsum crystals in soils. *Journal of soil science*, 43, (1992), pp. 409–420.
- Jailloux, J. M. and Segrestin, P.**, Present state of knowledge of long-term behavior of materials used as soil reinforcements. *Theory and practice of earth reinforcement: proceedings of the international geotechnical symposium*. Fukuoka Kyushu, Japan, 5–7 October 1988 (1988), pp. 105–110.
- Jansen, M.**, Documentation and conservation at Mohenjo-Daro: a concept of management. *Cultural tourism: international scientific symposium*, 135. 30 July–4 August 1993 (1993), pp. 44–47.
- Jarret, P. M. and McGown, A.** *The application of polymeric reinforcement in soil retaining structures*. In Nato ASI Series. Series E: Applied Sciences, 147. Kluwer Academic Publishers, Dordrech (1988), 637p.
- Jasmund, K. and Lagaly, G.** *Tonminerale und tone = Clay minerals and clays*. Steinkopf Verlag, Darmstadt (1993), 490p.
- Jeannet, J.; Pignal, B.; and Scarato, P.**, Dix ans de réhabilitation du patrimoine en terre crue dans le Centre de la France. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 460–463.
- Jerome, P.** *Analysis and conservation of mudbrick construction in Bronze Age Crete*. Columbia University, New York (1991), ix + 208p.
- Jerome, P.**, Analysis of bronze age mudbricks from Palaikastro, Crete. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 381–386.
- Jerome, P.**, The use of lime plasters for waterproofing and decoration of mudbrick buildings in Yemen. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 144–149.
- Johnson, R. B.**, Earthworks of San Agustin de la Nueva Florida – Ceiba Mocha, Cuba. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 197–202.
- Jolyon, L.** Building with earth in South Arabia. *Mimar*, no. 38 (1991), pp. 60–67.
- Kaczynski, R. and Grabowska-Olszewska, B.** Soil mechanics of the potentially expansive clays in Poland. *Applied clay science*, 11, (1997), pp. 337–355.
- Kakoulli, I.** *Materials and techniques of the pre-Hispanic paintings at El Brujo, Huaca Cao Viejo, Peru*. Research Laboratory for Archaeology and the History of Art, University of Oxford, Oxford (1997)
- Kamamba, D. K.**, Wattle and daub: an extant traditional method of construction in Tanzania. *7a conferencia*

internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture. Silves, Portugal, 24–29 October 1993 (1993), pp. 189–192.

- Kamana Kamamba, D. M.**, Cyclical maintenance of earthen architecture as a future policy in Tanzania. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, 14–19 October 1990 (1990), pp. 77–80.
- Kanan, M. I.**, An analytical study of earth-based building materials in southern Brazil. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 150–157 .
- Keable, R.**, Towards industrialized earth structures. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 404–406.
- Keefe, L.; Watson, L.; and Griffiths, R.**, Possible causes of structural failure in traditional cob buildings. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 254–260.
- Keeling, S. E. and Mooser, F.**, The use of "Tepetate" in traditional buildings in the Mexico City metropolitan region. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 97–102.
- Keeling, S. E. and Onofre, S. A.**, El uso del adobe en edificios en el area metropolitana de la Ciudad de México: el pasado, el presente y las expectativas para el futuro. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 44–49.
- Kendall, K.** Connection between structure and strength of porous solids. In *Physics and chemistry of porous media*, Johnson, D. L. and Sen, P. E., Editors . American Institute of Physics, New York (1987), pp. 78–88.
- Kenney, T. C.**, The influence of mineral composition on the residual strength of natural soils. *Contributions to the geotechnical conference on shear strength properties of natural soils and rocks*. Oslo, Norway, 1967 (1968), pp. 123–128.
- Kenney, T. C.**, Shear strength of soft clay. *Contributions to the geotechnical conference on shear strength properties of natural soils and rocks*. Oslo, Norway, 1967 (1968)
- Kenney, T. C.; Moum, J.; and Berre, J.**, An experimental study of bonds in a natural clay. *Contributions to the geotechnical conference on shear strength properties of natural soils and rocks*. Oslo, Norway, 1967 (1968), pp. 65–69.
- Kholucy, S. R. H.**, Some notes on earth building in Britain. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 81–85.
- Kimbro, E. E.** California's historic earthen architecture. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 34–38.
- Kimbro, E. E.**, Conservation principles applied to seismic retrofitting of culturally significant adobe buildings. *Conference on seismic retrofit of historic buildings*. San Francisco, California, 18–19 November 1991 (1991), p.17.

- Kimbrow, E. E.**, Damage to historic adobe buildings near the epicenter of the 1989 Loma Prieta earthquake Santa Cruz County, California. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 327–330.
- Kirkpatrick, D. T.**, Prehistoric Mogollon and Anasazi earthen architecture of the southwestern United States. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 86–91.
- Kleespies, T.**, The history of rammed earth buildings in Switzerland. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 137–138.
- Koerner, R. M.** *Soft soil stabilization using geosynthetics*. Elsevier Applied Science, London (1987), viii + 252p.
- Konstantin, L.**, Landscape architecture proposals for environments degraded by open–cast mining. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.446.
- Koob, S. P.; Rogers, M. H.; and Sams, G. K.**, Preserving the eighth century BC. Mud brick architecture at Gordion, Turkey: approaches to conservation. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 289–294.
- Koumas, A. and Koumas, C.**, Metodologia et tecnica de conservacion. *7a conferencia internacional sobre e estudo e conservacao da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 231–236.
- Kozak, E.; Stawinski, J.; and Wierzchos, J.** Reliability of mercury intrusion porosimetry results for soils. *Journal of soil science*, 152, no. 6 (1991), pp. 405–413.
- Krawinkler, H.**, Testing methodologies for earthen buildings. *Seminario Latinoamericano de construcciones de tierra en areas sismicas*. Lima, Peru, 23–27 May 1983 (1983), pp. 409–425.
- Krug, H. J.; Brandstädter, H.; and Jacob, K. H.** Morphological instabilities in pattern formation by precipitation and crystallization processes. *Geologische rundschau*, 85, (1996), pp. 19–28.
- Kuban, D. and Yorulmaz, M.**, On the organization and studies and intervention methods for the preservation of historical monuments and sites in earthquake areas. *Proceedings of the international course on preventive measures for the protection of cultural property in earthquake-prone regions*. Skopje, Macedonia, 24 June–5 July 1985 (1985), p.17.
- Kukina, I. V.**, New life for slag and ash heaps. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 450–451.
- Kulke, H. H. G.**, Large pigeon towers in the province of Esfahan (Iran): endangered traditional adobe buildings. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.451.
- Kumar Das, S.**, Problems of old buildings with mud as mortar. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 145–147.

- Kumar, R. and Price, C. A.**, The influence of salts on the hydrolysis and condensation of methyl-trimethoxysilane. *The conservation of monuments in the Mediterranean basin : stone and monuments, methodologies for the analyses of weathering and conservation : proceedings of the 3rd international symposium*. Venice, Italy, 22–25 June 1994 (1994), pp. 861–865.
- Kwiatkowski, K.** Prace Polsko–Wietnamskiej Misji Konserwacji Zabytków na terenie rezerwatu muzealnego w Ben Dinh = Work of the Polish–Vietnamese Monument Conservation Mission in the Ben Dinh Museum Reservation. *Rocznik przedsiębiorstwa państwowego Pracownia Konserwacji Zabytków*, 2, no. 2 (1984), pp. 73–79.
- Lagaly, G.** Clay–organic interactions. *Philosophical transaction of the royal society of London*, 311 A; (1984), pp. 315–332.
- Lagaly, G.**, Clay–organic interactions: problems and recent results. *Proceedings of the international clay conference*. Denver, Colorado, 28 July–2 August 1985 (1987), pp. 343–351.
- Lander, H. and Niermann, M.** *Lehm architektur in Spanien und Afrika*. Karl Robert Langewiesche, Koenigstein im Taunus (1980), 133p.
- Langenbach, R.**, Of Taq and Dhajji Dwari: the earthquake resistant mud and brick architecture of Kashmir. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 92–98.
- Laurent, J.–P.**, Influence de l'humidité sur les propriétés thermiques du matériau terre: problématique, métrologie, résultats expérimentaux. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 363–370.
- Laurie, P. A. P. and Milne, J.** The evaporation of water and salt solutions from surfaces of stone, brick and mortar. *Proceedings of the royal society of Edinburgh*, 47, (1926), pp. 52–69.
- Lavergne, P. J.** *Field and laboratory methods used by the geological survey of Canada in geochemical surveys. No. 8 preparation of geological materials for chemical and spectro–graphic analysis*. 65–18, Geological Survey of Canada, Ottawa (1965)
- Leeder, M. R.** *Sedimentology: process and product*. George Allen & Unwin, London (1982), 344p.
- Lewcock, R. and Heyman, J.** *Shibam and Wadi Hadramawt, Report No. 3*. UNESCO, Paris (1982), 50p.
- Lewin, S. Z. and Charola, A. E.** Aspects of crystal growth and recrystallization mechanisms as revealed by scanning electron microscopy. *Scanning electron microscopy*, 1980, no. 1 (1980), pp. 551–558.
- Lewin, S. Z. and Schwartzbaum, P.**, Investigation of the long–term effectiveness of an ethyl silicate–based consolidant on mud brick. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima–Cuzco, Peru, 10–22 September 1983 (1983), pp. 77–81.
- León y León, C. A.** New perspectives in mercury porosimetry. *Advances in colloid and interface science*, 76–77, (1998), pp. 341–372.
- Li, Z.**, Consolidation of a Neolithic earthen site with potassium silicate. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 295–301.

- Liegey, A.** Les problemes de conservation de l'architecture de briques crues au Proche-Orient = Conservation problems of mud brick architecture in the Near East. *Conservation restauration des biens culturels*, no. 3 (1990), pp. 62-63.
- Lindberg, E.-R.**, Building with clay and earth in Sweden. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), pp. 327-333.
- Lippe, H.**, Learning to build with earth. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), pp. 158-160.
- Lipsicas, M.** Molecular motions and surface interactions in clay intercalates. In *Physics and chemistry of porous media*, Johnson, D. L. and Sen, P. E., Editors. American Institute of Physics, New York (1987), pp. 191-202.
- Little, D. N.** *Fundamentals of the stabilization of soil with lime*, Bulletin 332. 2nd ed. National Lime Association, Arlington (1996), 20p.
- Low, P. F.**, The clay-water interface. *Proceedings of the international clay conference*. Denver, Colorado, 28 July-2 August 1985 (1987), pp. 247-256.
- Lowell, S. and Shields, J. E.** Equivalency of mercury porosimetry and gas adsorption. *Powder technology*, 29, (1981), pp. 225-231.
- Lubetkin, S. D.; Middleton, S. R.; and Ottewill, R. H.** Some properties of clay-water dispersions. *Philosophical transaction of the royal society of London*, 311 A, (1984), pp. 353-368.
- Luc, P.**, Permanence et mobilité dans L'habitat Lela (Burkina Faso). *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 493-499.
- Lucia, F. J.** Rock-fabric/ petrophysical classification of carbonate pore space for reservoir characterization. *American association of petroleum geologists bulletin*, 79, no. 9 (1995), pp. 1275-1300.
- Lumpkins, W.** A distinguished architect writes on adobe. *El palacio*, 77, no. 4 (1971), pp. 3-10.
- Lundsten, B.; Achcar, L.; and Westermarck, M.**, Experimental cottage of clay-straw. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 552-557.
- Lützen, C. and Rambøll, B.**, Sustainable low-cost housing: The *Lak'a*, Altiplano, Bolivia. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11-13 May 2000 (2000), pp. 334-338.
- Maas, P.**, The architecture of Djenne at the turn of the century. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24-29 October 1993 (1993), pp. 262-271.
- Mabardi, J.-F. and Theunissen, P.** *Guidelines for the use of earth as a building material*. 7, Centre de Recherches Architecturales, Louvain (1984) 40p.
- Machel, H. G. and Burton, E. A.** Factors governing cathodoluminescence in calcite and dolomite, and their implications

for studies of carbonate diagenesis. In *Luminescence microscopy: quantitative and qualitative aspects*, Barker, C. E. and Kopp, O. C., Editors. (1991), pp. 37–57.

- Machenry, P. G.** *Adobe and rammed earth buildings: design and construction*. John Wiley & Sons, New York (1984), 217p.
- Macintosh, R. J.** Archaeology and mud wall decay in a West African village. *World archaeology*, 6, no. 2 (1974), pp. 154–171.
- Madeira, F.**, Impressões digitais da fazenda do Assombrado. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 624–627.
- Madhloom, T.** Locations of using mud-brick 'libin' and its protection in the Assyrian buildings. *Al-turath wal-hadhara*, no. 8–9 (1986–1987), pp. 11–21.
- Magalouis, N. M. and Martin, P.** Mission San Juan Capistrano: preservation and excavation of a Spanish Colonial landmark. *Archaeology*, 34, no. 3 (1981), pp. 60–63.
- Magana, H. O. and Sandoval, B.** El problema de la zona arqueologica de Paquimé y algunas alternativas de investigacion para la conservacion de la arquitectura en tierra = The problem of the archeological zone of Paquimé and some research alternatives for the conservation of earthen architecture. *Imprimatura*, 3, no. 7 (1995), pp. 3–13.
- Mahendrarajah, E. S.**, Post-modern rural housing: some design suggestions. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p. 448.
- Maley, L.**, Continuous moisture analysis instrumentation. *Moisture and humidity: measurement and control in science and industry*. Washington D.C., 15–18 April 1985 (1985), pp. 649–657.
- Malisius, U.**, Ghadames: a historic town in the Northern Sahara. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 64–67.
- Marchand, T. H. J.**, The built environment of traditional family compounds, Birnin Zaria. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 108–111.
- Marchand, T. H. J.**, Walling Old Sanaca: re-evaluating the resurrection of the city walls. *Terra 2000: 8th International Conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 46–51.
- Margueron, J.-C.**, Premiers regards sur les solutions techniques mises en oeuvre a Mari (Syrie), vers 2500–2000 av J.C., pour la conservation de l'architecture de terre. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 299–303.
- Margueron, J. C.** Stratigraphie et architecture de terre. *Syria*, LXIII, no. 63 (1968), pp. 257–271.
- Markovic, S.**, Impermanence/permanence: mural decoration in Northern Ghana. *7a conferencia internacional sobre e*

estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture. Silves, Portugal, 24–29 October 1993 (1993), pp. 68–72.

- Marshak, B.**, Panjikent: A pre-Islamic town in central Asia. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 230–232.
- Martin, D. J. B.**, Architecture de terre du village préromain de Cuellar: prélèvement et conservation (Segovia, Espagne). *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 310–316.
- Martinez-Ramirez, S.; Puertas, F.; Blanco-Varela, M. T.; Thompson, G. E.; Haneef, S. J.; and Wood, G. C.**, Durability of a new lime mortar with biocide properties. *Proceedings of the 8th international congress on deterioration and conservation of stone*. Berlin, Germany, 30 September–4 October 1996 (1996), pp. 1565–1571.
- Martins, D. N.; Gutierrez, N. H. M.; and Ladaga, F. J. T. C.**, Projeto Arcos, construção de habitações de baixo custo em solo-cimento, perspectivas industriais. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 558–563.
- Martín, M.; Cuevas, J.; and Leguey, S.** Diffusion of soluble salts under a temperature gradient after the hydration of compacted bentonite. *Applied clay science*, 17, (2000), pp. 55–70.
- Matero, F. G.**, Archaeological monuments and sites. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.3.
- Matero, F. G.** The conservation of plasters in earthen archeological sites. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 59–62.
- Matero, F. G.** A programme for the conservation of architectural plasters in earthen ruins in the American Southwest: Fort Union National Monument, New Mexico, U.S.A. *Conservation and management of archaeological sites*, 1, no. 1 (1995), pp. 5–24.
- Matero, F. G.** *Testing lime-stabilized adobe for protective application at Fort Union, New Mexico*. University of Pennsylvania, Philadelphia (1996)
- Matero, F. G. and Bass, A.** Design and evaluation of hydraulic lime grouts for the reattachment of lime plasters on earthen walls. *Conservation and management of archaeological sites*, 1, no. 2 (1995), pp. 97–108.
- Matero, F. G. and Bass, A.** Orphans of the storm: the preservation of architectural plasters in earthen ruins. *Cultural resource management: conserving earthen architecture*, 17, no. 4 (1994), pp. 21–26.
- Matero, F. G.; del Bono, E.; Fong, K. L.; Johansen, R.; and Barrow, J.**, Condition and treatment history as prologue to site conservation at Casa Grande Ruins National Monument. *Terra 2000: 8th International Conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11 – 13 May 2000 (2000), pp. 52–64.
- Mathewson, C. C.** *Interdisciplinary workshop on the physical-chemical-biological processes affecting archeological sites*. Contract report EL, 89–1, U.S. Army Engineer Waterways Experiment Station, Vicksburg and Springfield (1989) 238p.

- Matsikure, J.**, The conservation and presentation of earthen structures at Great Zimbabwe: The Posselt house project case study. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 261–265.
- Mattone, R. and Pasero, G.**, L'architecture en terre crue au Piémont: typologies et technologies dans la province d'Asti. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 73–75.
- Mavar, Z.**, Traditional forms and building techniques in clay in Croatia. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 446–447.
- Mazar, A.** The conservation and management of mud-brick buildings at Tell Qasile, Israel. *Conservation and management of archaeological sites*, 3, no. 1–2 (1999), pp. 103–108.
- McAlister, J. J. and Smith, B. J.** A rapid preparation technique for X-ray diffraction analysis of clay minerals in weathered rock materials. *Microchemical journal*, 52, (1995), pp. 53–61.
- McBride, M. B.** Surface chemistry of soil minerals. In *Minerals in soil environments*, Dixon, J. B. and Weed, S. B., Editors. SSSA Book Series, 1. Soil Science Society of America, Madison (1989), pp. 35–88.
- McCann, J.** Is clay lump a traditional building material? *Vernacular architecture*, 18, (1987), pp. 1–16.
- McCreech, C. A.; Ehrlich, R.; and Crabtree, S. J.** Petrography and reservoir physics II: relating thin section porosity to capillary pressure, the association between pore types and throat size. *American association of petroleum geologists bulletin*, 75, no. 10 (1991), pp. 1563–1578.
- McGreevy, J. P.** 'Frost and salt' weathering: further experimental results. *Earth surface processes & landforms*, 7, no. 5 (1982), pp. 475–488.
- McGreevy, J. P. and Smith, B. J.** The possible role of clay minerals in salt weathering. *Catena*, 11, no. 2–3 (1984), pp. 169–175.
- McHenry, P. G.** Adobe today. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 5–6.
- McHenry, P. G. Jr.**, Acoma: a case study in preservation philosophy and implementation. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 159–165.
- Meade, M. and Garcias, J.-C.** Return to earth. *The architectural review*, 178, no. 1064 (1985), pp. 62–70.
- Medgyasszay, P. and Csicsely, A.**, Earth construction in the data base on ecological building (DBEB). *Terra 2000: 8th International Conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.452.
- Mendonça de Oliveira, M. and Santiago, C. C.**, Comportamento de alguns solos tropicais estabilizados com cal. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 404–409.

- Menicali, U.** *I materiali dell'edilizia storica: tecnologia e impiego dei materiali tradizionali=The materials of historic architecture: technology and use of traditional materials.* In Supermanuali, 3. La Nuova Italia Scientifica, Rome (1992), 286p.
- Mesbah, A.; Morel, J. C.; Gentileau, J. M.; and Olivier, M.,** Solutions techniques pour la restauration des remparts de Taroudannt (Maroc). *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 266–271.
- Messenger, P.** The clay dabbins of the Solway Plain. In *Terra Britannica: a celebration of earthen structures in Great Britain and Ireland*, Hurd, J. and Gourley, B., Editors. James & James, London (2000), pp. 7–12.
- Messori, M.; Zannini, P.; Mairani, A.; and Matteini, M.,** New proposals for the conservation–consolidation of stones and plasters: analytical characterization and trial applications of Ba aluminates. *9th international congress on deterioration and conservation of stone.* Venice, Italy, 19–24 June 2000 (2000)
- Metzger, T. R.** Vanishing treasures: a legacy in ruins. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 63–63.
- Michon, J.-L.,** Deux sites architecturaux en terre inscrits à la liste du Patrimoine mondial– le Ksar de Aït Benhaddou au Maroc, le fort et oasis de Bahla á Oman: problèmes de conservation et de gestion. *Terra 2000: 8th International Conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11 – 13 May 2000 (2000), pp. 65–72.
- Michon, J.-L.,** Earth architecture in South Morocco. *ICOMOS 8th general assembly and international symposium "old cultures in new worlds". Symposium papers, volume 2 = ICOMOS 8ème Assemblée générale et colloque international "cultures anciennes dans les mondes nouveaux". Communications du colloque, Vol. 2,2.* Washington, D.C., 10–15 October 1987 (1987), pp. 961–968.
- Michon, J.-L.,** Mud castles (kasbas) of south Morocco--will they survive? *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 99–104.
- Michon, J.-L.** Un patrimoine en danger: les architectures en terre du sud marocain = A heritage in danger: earth architecture of southern Morocco. *ICOMOS information*, (1986), pp. 2–14.
- Middleton, G. F.** *Build your house of earth.* Compendium, Victoria, Australia (1953), xiii + 129p.
- Milia, F.; Fardis, M.; Papavassiliou, G.; and Leventis, A.** NMR in porous materials . *Magnetic resonance imaging*, 16, no. 5/6 (1998), pp. 677–678.
- Miller, T. A. H.** *Adobe or sun-dried brick for farm buildings.* In Farmers' bulletin no. 1720. U.S. Department of Agriculture, Washington, D.C. (1934), 18p.
- Miller, W. and Scifres, J.** Effect of sodium nitrate and gypsum on infiltration and erosion of a highly weathered soil. *Soil science*, 145, (1988), pp. 304–309.
- Minke, G. ,** Earth building material: new products, new applications. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 339–341.
- Minke G.** *Earth construction handbook: the building material earth in modern architecture.* Witpress, Southhampton,

United Kingdom (2000), 206p.

- Minke, G.**, New design and construction technologies for vault and dome structures from soil blocks . *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 569–574.
- Mold, P.**, Surface finishes to earth building: lime mortars and limewashes. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 161–163.
- Moldovan, M.–S. and Graur, T.**, Earth architecture in Romania. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 49–51.
- Molina Feal, D.**, Cacaxtla. *In situ archaeological conservation. Proceedings of meetings*. Mexico, 06–13 April 1986 (1987), pp. 194–201.
- Montgomery, R. G.; Smith, W.; Brew, J. O.; and Ewing, F. J.** *Franciscan Awatowi: the excavation and conjectural reconstruction of a 17th century Spanish mission establishment at a Hopi Indian town in northeastern Arizona*. In *Papers of the Peabody Museum of American Archaeology and Ethnology*, Harvard University , xxxvi. Peabody Museum, Cambridge (1949), xvi + 361p.
- Moore, D. M. and Reynolds, R. C. Jr.** *X-ray diffraction and the identification and analysis of clay minerals*. Oxford University Press, Oxford (1989), 332p.
- Morales Gamarra, R.**, Conservation of structures and adobe decorative elements in Chan Chan. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima–Cuzco, Peru, 10–22 September 1983 (1983), pp. 83–89.
- Moraru, D.–S.; Dima, L.; and Sandru, L.**, La consolidation des constructions historiques et/ou archéologiques en terre (argile) par injection électrocinétique avec une solution de chaux–bentonite–urée. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 426–428.
- Moreau, É.; Sardini, P.; Touchard, G.; and Velde, B.** 2D and 3D morphological and topological analysis of a clay soil. *Microscopy, microanalysis, microstructures*, 7, no. 5–6 (1996), pp. 499–504.
- Morgan, M. T.; Wood, R. K.; and Holmes, R. G.** Dielectric moisture measurement of soil cores. *Transactions of the ASAE*, 36 , no. 1 (1993), pp. 17–22.
- Moro, A. and Cuchi, A.**, La tradición constructiva en tierra en Catalunya. El ejemplo de Terrassa. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 73–77.
- Moropoulou, A.; Bakolas, A.; Karoglou, M.; and Karamberi, A.**, Microscopic techniques in the assessment of the ability of macropore plasters to tackle rising damp of historic masonries. *Proceedings of the 8th euroseminar on microscopy applied to buildings materials*. Athens, Greece, 4–7 September 2001 (2001), pp. 595–602.
- Morrison, F.; Clewlow, C. W.; and Heizer, R. F.** Magnetometer survey of the La Venta pyramid. *Contributions of the University of California archaeological research facility*, no. 8 (1970), pp. 1–20.

- Muelle, J. C.** Tecnologia del barro en el Peru precolombino = Mud technology in pre-Colombian Peru; Andean technology. In *Tecnología andina*, Ravines, R., Editor. Fuentes e investigaciones para la historia del Peru, 4. Instituto de estudios peruanos, Lima (1978), pp. 573–580.
- Mueller, U.** *Analytical results on repair material and a study about the effectiveness of the treatment with water and mucilago de escobilla*. unpublished, Getty Conservation Institute, Los Angeles (2001) 38p.
- Mueller, U.** *Interaction of moisture with earthen building materials from Joya de Ceren*. unpublished, Getty Conservation Institute, Los Angeles (2001) 34p.
- Mueller, U.** *Material analysis of soil samples from Joya de Ceren, El Salvador*. unpublished, Getty Conservation Institute, Los Angeles (2000) 58p.
- Mueller, U. and Hansen, E. F.**, Use of digital image analysis in conservation of building materials. *Proceedings of the 8th euroseminar microscopy applied to buildings materials*. Athens, Greece, 4–7 September 2001 (2001), pp. 603–610.
- Mullet, M.; Fievet, P.; Reggiani, J.-C.; and Pagetti, J.** Wicking technique combined with electrical resistance measurements for determination of pore size in ceramic membranes. *Journal of materials science*, 34, (1999), pp. 1905–1910.
- Munoz G, E. and Bahamondez P., M.**, Conservacion de un sitio arqueologico construido en tierra. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 371–376.
- Munteanu, S.**, Earthen architecture in Moldova. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 407–410.
- Murphy, C. P.** A comparative study of three methods of water removal prior to resin impregnation of two soils. *Journal of soil science*, 33, (1982), pp. 719–735.
- Nandadeva, B. D.**, Traditions and techniques of earthen architecture of Sri Lanka. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 105–110., 13 figs.p.
- Nardi, R.**, Conservation of medieval structures of mudbrick and of fired brick laid in clay. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1987), pp. 71–80.
- Nardi, R.**, Conservation on the excavation: the crypt of Balbus in Rome. *Preventive measures during excavation and site protection: a review of the ICCROM/University of Ghent conference*. Ghent, Belgium, 6–8 November 1985 (1986), pp. 91–102.
- Ndoro, W.**, An investigation into the pattern of deterioration of daga (earth) structures at Zimbabwe type monuments. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 377–382.
- Nelson, J. D. and Miller, D. J.** *Expansive soils: problems and practice in foundation and pavement engineering*. John Wiley and Sons, Inc., New York (1992), 259p.

- Newman, A. C. D.** The significance of clays in agriculture and soils. *Philosophical transaction of the royal society of London*, 311 A, (1984), pp. 375–389.
- Niebla, E. E.**, Material properties of adobe and laboratory analyses. *Adobe: practical & technical aspects of adobe conservation*. Tucson, Arizona, 26–28 March 1983 (1983), pp. 5–8.
- Nonell, J. B.**, Una obra de tapia de Antonio Gaudí. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 195–200.
- North, G.**, The earth architecture of Graeme North: the work of a leading New Zealand earth architect from 1971 to 2000. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 411–418.
- Norton, J.** Building in the Air and Tenerz Region, Niger. *Mimar*, 34, (1990), pp. 51–57.
- Norton, J. and Tunley, P.**, 'Woodless construction': adapting techniques to meet needs in the Sahel, not the other way around. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 488–492.
- Nother, R. W.** Continuity of tradition – new earth building: Reception Building, Norden Park and Ride, Corfe Castle, Dorset. A case study. *Terra 2000: Papers of oral presentations not included in preprints*. (unpublished)
- Oades, J. D.** An introduction to organic matter in mineral soils. In *Minerals in soil environments*, Dixon, J. B. and Weed, S. B., Editors. SSSA Book Series, 1. Soil Science Society of America, Madison (1989), pp. 89–160.
- Oates, D.** Innovations in mud-brick; decorative and structural techniques in ancient Mesopotamia. *World archaeology*, 21, no. 3 (1990), pp. 388–406.
- Odul, P.** *Bibliographie sur la préservation, la restauration et la réhabilitation des architectures de terre=Bibliography on the preservation, restoration and rehabilitation of earthen architecture*. CRATerre, Rome (1993), 136p.
- Odul, P.**, Pathologie humide de constructions en terre: méthodologie de diagnostic. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 404–413.
- Oliver, A. B. and Hartzler, R. L.**, Understanding the deterioration of adobe walls: Fort Union National Monument, New Mexico, U.S.A. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 78–85.
- Oliver, P.** Transmitting technologies. *Mimar*, no. 38 (1991), pp. 56–57.
- Olivier, M.**, Restauration des structures en terre crue en fonction de leur technologie de construction = Restoration of earthen structures according to the technology of their construction. *Conservation of stone and other materials. Vol. 2, prevention and treatments*. Paris, France, 29 June–1 July 1993 (1993), pp. 673–680.
- Olivier, M. and El Gharbi, Z.**, Mechanical behavior of earth wall panel: experimental investigations. *3rd international masonry conference*. London, United Kingdom, 26–28 October 1992 (1992), pp. 19–23.
- Olivier, M. and Mesbah, A.** Behaviour of ancient and new structures made out of raw earth. In *International conference*

on structural studies, repairs and maintenance of historical buildings (III). Computational Mechanics Publications, Southampton (1993), pp. 439–447.

- Olivier, M.; Mesbah, A.; and Adam, W.**, Restauration des murailles de Sana'a, Yémen du Nord: amélioration du Zabour, méthode traditionnelle de construction en terre. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 233–239.
- Olivier, M. and Velkov, P.** Dynamic properties of compacted earth, as a building material. *Structural repair and maintenance of historical buildings III*. Computational Mechanics Publications, Southampton (1993), pp. 501–509.
- Olson, K. R.** Characterization of pore size distributions within soils by mercury intrusion and water–release methods. *Soil science*, 139, no. 5 (1985), pp. 400–404.
- Orazi, R.**, Mud–brick architecture in Sardinia. *Ceramics in architecture: proceedings of the international symposium on ceramics in architecture of the 8th CIMTEC world ceramics congress and forum on new materials*. Florence, Italy, 28 June–1 July 1994 (1995), pp. 219–229.
- Orazi, R.**, Restoration and maintenance of the earth and stone walls of Khor Rori. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 86–92.
- Ordaz, J.; Alonso, F. J.; and Esbert, R. M.**, Caracterización física de adobes de Castilla–Leon (España) = Physical characterization of adobes of Castilla–Leon (Spain). *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 438–442.
- Osipov, V. I.; Nguyen N. B.; and Rumjantseva, N. A.** Cyclic swelling of clays. *Applied clay science*, 2, (1987), pp. 363–374.
- P'kla, A.; Morel, J. C.; and Mesbah, A.**, Comportement d'un mûret en blocs de terre comprimée sollicité en compression simple. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 164–168.
- Palma Dias, G. J.**, A conservação das estruturas antigas em terra crua. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 210–214.
- Palma Dias, G. J.**, A terra crua como material de construção. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 304–309.
- Pancheri, C. and Agrawal, O. P.** Conservation of mud–brick structures. In *Conservation of cultural property in India*, 6. Indian association for the study of conservation of cultural property, New Delhi (1973), pp. 36–38.
- Pardini, G.; Vigna Guidi, G.; Pini, R.; Regüés, D.; and Gallart, F.** Structure and porosity of smectitic mudrocks as affected by experimental wetting–drying cycles and freezing–thawing cycles. *Catena*, 27, (1996), pp. 149–165.
- Pareschi, M. T.; Pompilio, M.; and Innocenti, F.** Automated evaluation of volumetric grain–size distribution from thin–section images. *Computers & geosciences*, 16, no. 8 (1990), pp. 1067–1084.
- Pecoraro, A. L.**, The conservation of the church of Nossa Senhora do Rosario, Embu, Sao Paulo, Brasil. *7a conferencia*

- internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 278–281.
- Pel, L. ; Hazrati, K.; Kopinga, K.; and Marchand, J.** Water absorption in mortar determined by NMR. *Magnetic resonance imaging*, 16, no. 5/6 (1998), pp. 525–528.
- Pellenq, R. J. M; Caillol, J. M.; and Delville, A.** Electrostatic attraction between two charged surfaces: A (N,V,T) Monte Carlo simulation. *Journal of physical chemistry*, 101, (1997), pp. 8584–8594.
- Penumadu, D. and Dean, J.** Compressibility effect in evaluating the pore–size distribution of kaolin clay using mercury intrusion porosimetry. *Canadian Geotechnical Journal*, 37, (2000), pp. 393–405.
- Pereira, H. G.,** Revalorización del material tierra en la arquitectura Chilena. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 111–116.
- Pereira, P. C. X.,** Negando a tradição: tebas e a negação das construções de taipa em São Paulo. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 134–138.
- Perrotti, A.; Pisano, P.; Gentile, P.; Cicchitti, M.; Fiadone, F.; and Vaccarini, G.,** Census and cataloguing of houses in the Abruzzo region, Italy. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.452.
- Pieper, R.** Earthen architecture in the northern United States: European traditions in earthen construction. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 30–33.
- Pieper, R.,** Earthen architecture of New York State: adobe construction in a nonarid climate. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 117–121.
- Pinheiro, N. S.,** Terra: material milenário de construção. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 103–107.
- Pinto, F.,** Arquitectura de terra – que futuro? *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 612–617.
- Piqué, F.; Dei, L.; and Ferroni, E.** Physicochemical aspects of the deliquescence of calcium nitrate and its implications for wall painting conservation. *Studies in conservation*, 37, (1992).
- Piras, S. ,** Experience with domed and vaulted structures in new earth buildings in Sardinia: continuity of tradition and sustainable development. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 342–346.
- Pittman, E. D.,** The pore geometries of reservoir rocks. *Physics and chemistry of porous media*. Ridgefield, Connecticut, 24–25 October 1983 (1987), pp. 1–19.
- Plenderleith, H. J.; Voute, C.; and Beaufort, C. C. Th de.** Mohenjo–daro revisited. *UNESCO features*, no. 442 (1964), p.23.

- Politis, K. D.**, An ethnoarchaeological study on the technology and use of adobe in the Jordan Rift Valley. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 387–392.
- Price, C. A.**, inventor. *Liquid agent for treating porous inorganic materials*. England National Research Development Corp., assignee. Germany 2733686 (1978).
- Prost, B.; Koutit, T.; Benchara, A.; and Huard, E.** State and location of water adsorbed on clay minerals: consequences of the hydration and swelling–shrinkage phenomena. *Clays and clay minerals*, 46, no. 2 (1998), pp. 117–131.
- Prussin, L.** Fulani–Hausa architecture: genesis of a style. *African arts*, 9, no. 3 (1967), pp. 8–19, 97–100.
- Prussin, L.** Sudanese architecture and the Manding. *African arts*, 3, no. 4 (1970), pp. 12–18, 64–67.
- Puccioni, S. and Lyra, C. C.**, O uso da taipa–de–pilão em Construções Luso– Brasileiras. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 296–298.
- Puehringer, J. and Engström, L.**, Unconventional methods for the prevention of salt damage. *5th international congress on deterioration and conservation of stone*, 1. Lausanne, Switzerland, 25–27 September 1985 (1985), pp. 241–251.
- Puga, C. M.**, Adobe architecture in Miraflores, Lima, Peru. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 177–180.
- Pugachenkova, G. A. and Levushkina, S. B.** *Experiments on preservation of adobe structures and restoration of gypsum plaster paintings in Uzbekistan*. Tashkent 4p.
- Pühringer, J. and Weber, J.**, *9th triennial meeting, ICOM Committee for Conservation*. Dresden, Germany, 26–31 August 1990 (1990), pp. 361–365.
- Pujal, A. J.**, Restoration techniques for earthen buildings of historical value: actual cases. *7a conferência internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 244–249.
- Rainer, L. H.** *Decorated surfaces on earthen architecture: a methodological approach toward their conservation. Case study: Kassena wall paintings*. Antioch University, Antioch (1992), 195p.
- Rainer, L. H.** *Study of the conservation of the decorated surfaces at the sites of Huaca de la Luna and El Brujo, La Libertad, Peru*. Unpublished report (1995)
- Rainer, L. H.**, The tradition of Kassena wall painting, Burkina Faso. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 439–444.
- Raloff, J.** Holding on to the earth: off–the–shelf chemical halts erosion of irrigated fields. *Science news*, 144, (1993), pp. 280–281.
- Ranocchia, G. and Rovero, L.**, Influence of insertion of fired bricks on the mechanical characteristics of adobe

brickwork. *Ceramics in architecture: proceedings of the international symposium on ceramics in architecture of the 8th CIMTEC world ceramics congress and forum on new materials*. Florence, Italy, 28 June–1 July 1994 (1995), pp. 231–238.

Ranocchiali, G.; Fratini, F.; and Manganelli Del Fà, C., Earthen building in Tuscany: characterization of the material used in buildings of the high Valdarno. *Ceramics in architecture: Proceedings of the international symposium on ceramics in architecture of the 8th CIMTEC world ceramics congress and forum on new materials*. Florence, Italy, 28 June–1 July 1994 (1995), pp. 239–246.

Rao, S. M.; Brinker, C. J.; and Ross, T. J. Environmental microscopy in stone conservation. *Scanning*, 18, (1996), pp. 508–514.

Rasmussen, P. E.; Schiff, S. L.; and Nesbitt, H. W. The determination of exchangeable cations in acid soils: errors caused by weathering reactions during neutral salt extraction. *Canadian journal of soil science*, 71, no. 2 (1991), pp. 155–163.

Rasor, A. Nuestra Señora del Pilar y Santiago de Cocóspera = Our Lady of Pilar and Santiago of Cocóspera. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 45–47.

Rautureau, M.; Cooke, R. U.; and Boyde, A. The application of confocal microscopy to the study of stone weathering. *Earth surface processes and landforms*, 18, no. 9 (1993), pp. 769–775.

Reed, A. D.; Hallasi, J. A.; White, A. S.; and Breternitz, D. A. *The archaeology and stabilization of the Dominguez and Escalante ruins*. In Cultural resources series, 7. Bureau of Land Management, Denver (1979), 496p.

Reed, E. K. *Extrait du "Report on archaeological mission to Peru for UNESCO museums and monuments division, October – November, 1958, concerning preservation of Pre-Spanish adobe ruins in the coastal desert of Peru"*. ICCROM (1958) 4p.

Reindel, M. *Monumentale lehmarchitektur an der nordkuste Perus = Monumental earth architecture from the northern coast of Peru*. Rheinische Friedrich-Wilhelms Universitaet. Philosophische Fakultat, Bonn (1991), 471p.

Rhajem, H. B.; Pons, C. H.; and Tessier, D., Factors affecting the microstructure of smectites: role of cation and history of applied stresses. *Proceedings of the international clay conference*. Denver, 28 July–2 August 1985 (1985), pp. 292–297.

Ricci, R., Características químicas, físicas e técnicas dos materiais tiradas das informações geológicas e mineralógicas. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 398–403.

Richert, R. V. S. and Vivian, R. G. *Ruins stabilization in the southwestern United States*. In Publications in archaeology, 10. U.S. Government Printing Office, Washington, D.C. (1974), xiii + 158p.

Rieu, M. and Sposito, G. Fractal fragmentation, soil porosity, and soil water properties: II applications. *Soil science society of America journal*, 55, (1991), pp. 1239–1244.

Risom, S. *Lerhuse stampede og soltorrede = Houses made of clay pressed and dried in the sun*. S. l. (1952), 95p.

Ristori, G. G.; Sparvoli, E.; Landi, L.; and Martelloni, C. Microstructure characteristics of two clays soils in relation to clay mineralogy, water content and tillage. *XIII Congress of the international society of soil science: extended*

informative summaries, (1986), pp. 140–141.

- Robbins, J.** *Ruins stabilization. Fort Bowie National Historic Site. Historic structures report.* National Park Service, Denver (1983), iii + 285p.
- Rodrigues, P. F.**, Renderings for earth construction. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), p.444.
- Rodriguez, A. and Pettus, K.** The importance of vernacular traditions. *APT bulletin*, 22, no. 3 (1990), pp. 2–4.
- Rodriguez-Navarro, C. and Doehne, E.** Salt weathering: influence of evaporation rate, supersaturation and crystallization pattern. *Earth surface processes landforms*, 24, no. 3 (1999), pp. 191–209.
- Rodriguez-Navarro, C.; Doehne, E.; and Sebastian, E.** Origins of honeycomb weathering: the role of salts and wind. *Geological society of America bulletin*, 111, no. 8 (1999), pp. 2–7.
- Rodriguez-Navarro, C.; Sebastian, P. E.; and Ginell, W. S.** ESEM analysis of the swelling process in sepiolite-bearing Egyptian limestone sculptures. *Advances in clay minerals*, (1996), pp. 301–303.
- Roels, S.; Elsen, J.; Carmeliet, J.; and Hens, H.** Characterisation of pore structure by combining mercury porosimetry and micrography. *Materials and structures*, 34, (2001), pp. 76–82.
- Rojas, E. and Crocker, E.**, Structuring the discipline: the conflict between theory and practice in the conservation of earthen architecture. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 383–388.
- Rajo, S. A.**, Adobe buildings: some restoration examples. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers.* Lima-Cuzco, Peru, 10–22 September 1983 (1983), pp. 55–59.
- Roselund, N.**, Repair of cracked adobe walls by injection of modified mud. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 336–341.
- Rosenqvist, I. T.** The importance of pore water chemistry on mechanical and engineering properties of clay soils. *Philosophical transaction of the royal society of London*, 311 A, (1984), pp. 369–373.
- Ross, G. J.** Relationships of specific surface area and clay content to shrink-swell potential of soils having different clay mineralogical compositions. *Canadian journal of soil science*, 58, (1978), pp. 159–166.
- Roth, C. H. and Pavan, M. A.** Effects of lime and gypsum on clay dispersion and infiltration in samples of a Brazilian oxisol. *Geoderma*, 48, (1991), pp. 351–361.
- Rotondaro, R.** Architecture de terre "en la Puna Jujena" Argentine = Earthen architecture "en la Puna Jujena" Argentina. *Bulletin d'Information du CRATerre*, no. 3 (1989), pp. 14–15.
- Rotondaro, R. and Kirschbaum, C. F.**, Appropriated earth roofs for the altiplano of Argentina. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture.* Silves, Portugal, 24–29 October 1993 (1993), pp. 393–397.
- Rua, C. and Rajer, A.**, Restoration of the sixteenth century church at Curahuara de Carangas, Bolivia: a case study. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints.* Las Cruces, New

Mexico, 14–19 October 1990 (1990), pp. 171–175.

- Rua, C.; Rajer, A.; and Mostacedo, N.**, A case study of conservation/restoration of the seventeenth century adobe church at Carabuco, Bolivia. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 205–209.
- Rutenbeck, T.**, Assessment of structural faults and monitoring of structural movements in adobe buildings and ruins. *Adobe. International symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima–Cuzco, Peru, 10–22 September 1983 (1983), pp. 61–64.
- Römken, M. J. M.; Prasad, S. N.; and Poesen, J. W. A.**, Soil erodibility and properties. *Transactions of the XIII congress of the international society of soil science*. Hamburg, Germany, 13–20 August 1986 (1986), pp. 492–504.
- Saag, L. M. K.; Sanderson, G. R.; Moyna, P.; and Ramos, G.** Cactaceae mucilage composition. *Journal of the science of food and agriculture*, 26, (1975), pp. 993–1000.
- Salmond, J.** *Pompallier ê circumstance*. ICOMOS New Zealand and Constructions, Auckland (1990), 125–127p.
- Salmond, J.** The Pompallier project: restoring a French colonial structure in New Zealand. *APT bulletin*, 24, no. 1–2 (1992), pp. 4–13.
- Samáñez A., R.**, Criterios y técnicas de restauración aplicadas en los monumentos de adobe en el Perú = Criteria and restoration techniques applied to adobe monuments in Peru. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 342–347.
- Samáñez A., R.**, Metodologia para a restauração de casas históricas construídas com adobe em Cusco, Peru. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 285–295.
- Samáñez A., R.**, Mural painting on adobe walls during Peruvian colonial times – its restoration and conservation. *Case studies in the conservation of stone and wall paintings: preprints of the contributions to the Bologna congress*. Bologna, Italy, 21–26 September 1986 (1986), pp. 75–79.
- Samáñez A., R.** La restauración de la brique crue dans les monuments historiques de la région Andine du Pérou = The restoration of mud-brick structure in historical monuments in the Andean region of Peru. In *Les technologies appropriées au service de la conservation des biens culturels*. Cahiers techniques: Musées et monuments. 7. UNESCO, Paris (1986), pp. 83–113.
- Samáñez A., R.** The restoration of mud-brick structures in historical monuments of the Andean region of Peru. In *Appropriate technologies in the conservation of cultural properties*, 7. Technical handbooks for museums and monuments, 7. UNESCO, Paris (1981), pp. 83–113.
- Sanchez, G. and Allen, D.**, Seismic strengthening of historic adobe buildings in California: an overview. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 348–353., 5 figs.p.
- Sanna, A.**, A rehabilitation project for an earthen historic centre. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen*

architecture. Silves, Portugal, 24–29 October 1993 (1993), pp. 341–347.

- Sanna, R.**, The town environment of earth architecture in Oristano and in the villages around it, in relation to the building increase that is happening from 1950. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 645–647.
- Scarato, P.** Pathologie et réhabilitation du patrimoine en pisé. In *Modernité de la construction en terre – 1984*. Ministère de l'urbanisme et du logement. Plan construction et habitat, Paris (1986), pp. 251–262 .
- Schaffer, R. J.** Causes of the deterioration of building materials. I. Chemical and physical causes. *Chemistry and industry*, no. 38 (1967), pp. 1584–1586.
- Scharff, W.** Umweltschaden: bedrohung fuer archaologische bodenfunde = Damage by the environment: archaeological artifacts at risk. *Archaeologie in Deutschland*, no. 2 (1992), pp. 4–5.
- Scherer, G. W.** Drying of ceramics made by sol–gel processing. In *Drying '92*, Mujumdar, A. S., Editor. Elsevier Science Publishers B.V. (1992), pp. 92–113.
- Schijns, W.** , The city of Djenné at the end of the twentieth century. Preservation of the heritage of earthen architecture. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 373–378.
- Schijns, W. H. M.**, Traditional and new earth building in the Dakhleh Oasis in Egypt. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 419–425.
- Schilling, M. R.; Carson, D. M.; and Khanjian, H. P.**, Gas chromatographic determination of the fatty acid and glycerol content of lipids. IV. Evaporation of fatty acids and the formation of ghost images by framed oil paintings. *12th Triennial Meeting*, 1. Lyon, France, 29 August –3 September 1999 (1999), pp. 242–247.
- Schmid, P.**, Innovative earth architecture: consciousness–raising for new mud building technologies. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 347–351.
- Schneider, J.** *Am anfang die erde. Sanfter baustoff lehm*. Edition Fricke im Rudolf Mueller Verlag, Köln (1985), 84p.
- Schroeder, H.**, Building with earth in Germany: current tendencies. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 426–429.
- Schroeder, H.**, Traditional buildings of lime–tuff in Thuringia, Germany. *7a conferência internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 117–122.
- Schulze, D. G.** An introduction to soil mineralogy. In *Minerals in soil environments*, Dixon, J. B. and Weed, S. B., Editors. SSSA Book Series, 1. Soil Science Society of America, Madison (1989), pp. 1–34.
- Seed, H. B.; Woodward, R. J.; and Lundgren, R.** Prediction of swelling potential for compacted clays. *Journal of the soil mechanics and foundations division*, 88, (1962), pp. 53–87.

- Selva, F.**, Typological and constructional features in the agricultural participation land of Cento. Method guidelines for the renovation and conservation of clay brick architectural works. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 364–372.
- Selwitz, C.** Saving the Fort Selden ruins: the use of a composite blend of chemicals to stabilize fragile historic adobe. *Conservation and management of archaeological sites*, 1, no. 2 (1995), pp. 109–116.
- Selwitz, C.; Coffman, R.; and Agnew, N.**, The Getty adobe research project at Fort Selden: III. An evaluation of the application of chemical consolidants to test walls. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 255–260., 10 figs., 7 tables.p.
- Sengupta, R.** Influence of certain Harappan architectural features on some texts of early–historic period. *Indian journal of history of science*, 6, no. 1 (1971), pp. 23–26.
- Sergeyev, Y. M. and Kowalski, W. C.** *Atlas of the microstructure of clay soils*. Panstwowe Wydawnictwo Naukowe, Warsaw (1984), 414p.
- Servicio de extension agraria.** *Navapalos 1987: 3er encuentro de trabajo sobre la tierra como material de construccion = Navapalos 1987: third working meeting on earth as a building material*. Servicio de extension agraria, Madrid (1990), 282p.
- Sharma, R. K.; Gupta, H. O.; and Kanotra, Y. K.**, Evaluation of physical characteristics of 'Meracula' admixed clay for sealing of cracks in mud plaster of monasteries, Ladakh region. *Methods of evaluating products for the conservation of porous building materials in monuments: preprints of the international colloquium*. Rome, Italy, 19–21 June 1995 (1995), pp. 41–49.
- Shashi, S.**, Status of conservation of the Amber Palace, Amber jaipur (Rajasthan). *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), p.443.
- Shekede, L.**, Wall paintings on earthen supports: evaluating analytical methods for conservation. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 169–175.
- Silver, C. S.**, Analyses and conservation of Pueblo architectural finishes in the American southwest. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 176–181.
- Silver, C. S.** *Architectural finishes of the prehistoric southwest: a study of the cultural resource and prospects for its conservation*. Constance S. Silver, New York (1987), 247p.
- Silver, C. S.; Snodgrass, J.; and Wolbers, R.**, A program for the conservation of prehistoric mural paintings on mud renderings in the American southwest. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 215–221.
- Sinha, S.**, Lessons from history– study of the use of earth in houses and temples of Bishupur. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 83–85.

- Sinou, A.** , Architectural and urban heritage: the example of the city of Ouidah, Benin. *Culture and development in Africa: proceedings of an international conference held at the World Bank*. Washington, D.C., 2–3 April 1992 (1994), pp. 289–312.
- Skibinski, S.** Konserwacja murów z cegły suszonej na slonu = Conservation of walls made of sun-dried brick. *Ochrona zabytków*, 43, no. 3 (1990), pp. 123–134.
- Skibinski, S.** *Problemas de conservacion de monumentos arqueologicos de piedra en el Peru y Ecuador*.. Instytut Zabytkoznawstwa i Konserwatorstwa UMK, Torun, Poland (1991), 95p.
- Skibinski, S.**, Problemas de la investigacion y conservacion de las estructuras del Centro Ceremonial de la cultura Paracas–Nazca, Peru. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 443–448.
- Skibinski, S. and Jagodzinski, L.** Zastosowanie komputerowej analizy obrazów wizyjnych standardu VHS do badan przyczyn niszczenia budowli centrum ceremonialnego kultury Nasca (stanowisko Cahuachi, k/Nasca, Peru) = The application of computer analysis of VHS standard visual images for the examination of the devastation of buildings belonging to the ceremonial center of the Nasca culture (the Cahuachi site, near Nasca, Peru). *Ochrona zabytkow*, 45, no. 1–2 (1992), pp. 42–48.
- Smail, D.** , Retention of the traditional values of African earth architecture. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints* . Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 122–125.
- Smith, B. M.** *Moisture problems in historic masonry walls: diagnosis and treatment*. U.S. Department of the Interior, National Park Service, Preservation Assistance Division, Washington, D.C. (1986), 48p.
- Smith, E. W.** *Adobe bricks in New Mexico*, 188. New Mexico Bureau of Mines & Mineral Resources, Socorro, New Mexico (1982), 89p.
- Smith, S. E.** An assessment of structural deterioration of ancient Egyptian monuments and tombs in Thebes. *Journal of field archaeology*, 13, no. 4 (1986), pp. 503–510.
- Smith, W.** *Kiva mural decorations at Awatovi and Kawaika-a: reports of the Awatovi expedition, 5*. In Papers of the Peabody Museum of American Archaeology and Ethnology, 37. (1952), 363p.
- Sodini, J.–P.** Remarques d'un "archéologue" sur la conservation et la présentation des sites archéologiques au Proche–Orient = Remarks of an archaeologist on the conservation and presentation of archaeological sites in the Near East. *Lettre d'information archéologie orientale*, 23, no. 7 (1984), pp. 10–12.
- Solis, J. B.**, Arquitectura, urbanismo, y arqueología = Architecture, urbanism and archaeology. *ICOMOS 8th general assembly and international symposium "old cultures in new worlds". Symposium papers, volume 1 = ICOMOS 8aème assemblée générale et colloque international "cultures anciennes dans les mondes nouveaux". Communications du colloque, volume 1*. Washington, D.C., 10–15 October 1987 (1987), pp. 15–22.
- Song, K. and Sandí, G.** Characterization of montmorillonite surfaces after modification by organosilane. *Clays and clay minerals*, 49, no. 2 (2001), pp. 119–125.
- Southwest Solaradobe School (Editor).** *Interaméricas Adobe Builder*. 9. Inter–américas Adobe Builder Magazine, Bosque, New Mexico (2001)

- Sparks, D. L.** *Soil physical chemistry*. CRC Press, Boca Raton (1986), 308p.
- Sparvoli, E.; Ristori, G. G.; and D'Acqui, L.** Porosité des sols argileux en fonction de l'hydratation. Influence du type d'argile et des ciments sur leur stabilité structurale = Clay soils porosity in relation to water content. Influence of clay type and cements on their structural stability. *Comptes rendus de l'académie des Sciences. Série II, mécanique, physique, chimie, sciences de l'univers, sciences de la terre*, 308, (1989), pp. 327–333.
- Sramek, J. and Losos, L.**, An outline of mud brick structures conservation at Abusir, Egypt. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 449–454.
- St. Pavlovic, D. B.** Sauvegarde et régénération des sites urbains et des ambiances historiques en Serbie = Protection and rehabilitation of urban sites and historic environments in Serbia. *Ochrana pamiatok monumentorum tutela*, 3, (1967), pp. 93–102.
- Stanley–Price, N. P. (Editor).** *Conservation on archaeological excavations: with particular reference to the Mediterranean area*. International Centre for the Study of the Preservation and the Restoration of Cultural Property, Rome (1984), 157p.
- Starkey, J. and Rutherford, S.** Image analysis of particle shape. In *Automated pattern analysis in petroleum exploration*, Palaz, I. and Sengupta, S. K., Editors. Springer Verlag, New York (1992), pp. 213–221.
- Starkey, J. and Samantaray, A. K.** A microcomputer–based system for quantitative petrographic analysis. *Computers & geosciences*, 20, no. 9 (1994), pp. 1285–1296.
- Steele, J. M. Jr.**, The lesson of Dar al Islam. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 126–130.
- Steen, C.** An archaeologist's summary of adobe. *El palacio*, 77, no. 4 (1971), pp. 29–38.
- Steen, C. R. and Gettens, R. J.** Tumacacori interior decorations. *Arizoniana*, 3, no. 3 (1962), pp. 7–21.
- Stefanidou, M.**, Estimation of porosity by using different techniques. *Proceedings of the 8th euroseminar on microscopy applied to buildings materials*. Athens, Greece, 4–7 September 2001 (2001), pp. 619–624.
- Stefanson, R. C.** Polyvinyl alcohol as a stabilizer of surface soils. *Journal of soil science*, 115, (1973), pp. 420–428.
- Steffny, E.** Versuch einer stabilisierung von grabungsprofilen in einem begehbaren befund = Attempts at stabilization of excavation profiles at a site accessible to visitors. *Arbeitsblaetter fuer restauratoren*, 26, no. 1 (1993), pp. 275–276.
- Stevens, A.**, Ancient cities and earth architecture through the history of the world. *Proceedings of the international symposium on earth architecture*. Beijing, China, 1–4 November 1985 (1985), pp. 360–369.
- Stevens, A.** Architecture de terre: monuments et sites de l'oasis de Turfan (Xinjiang) sur la Route de la Soie = Earthen architecture: monuments and sites of the oasis of Turfan (Xinjiang) on the Silk Road. *Monumentum*, 26, no. 1 (1983), pp. 45–69.
- Stevens, A.** Architecture de terre. Sauvegarde et aménagement des sites culturels = Earth architecture. Protection and management of cultural sites. In *Lorsque la royauté descendit du ciel*. Musée royal de Mariemont, Morlanweitz (1983), pp. 135–146.

- Stevens, A.** Argiles aux pieds de pierre: rencontre avec l'architecture de terre = Clays with stone feet: earthen architecture. *Nouvelles du patrimoine*, no. 52 (1993), pp. 33–35.
- Stevens, A.** , Les 'Casas de Haciendas' des Andes equatoriennes. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), pp. 81–89.
- Stevens, A.** China. In *Case studies on earth construction*, 2. Centre de Recherches Architecturales, Louvain (1984), pp. 1–37.
- Stevens, A.** , Développement touristique de Pachacamac. *Terra 2000: 8th International conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 93–97.
- Stevens, A.** , Introduction to the historic use of earthen building materials. Case study: Mesopotamia. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima– Cuzco, Peru, 10–22 September 1983 (1983), pp. 19–25.
- Stevens, A.** La protection des monuments en briques crues = The protection of adobe monuments. *Lettre d'information archéologie orientale*, 23, no. 7 (1984), pp. 19–27.
- Stuart, D. R. and Leitzell, P. (Editor).** *Conservation in historic adobe museums: a primer*. Departments of Parks and Recreation, Ventura, California (1986), 51 p.
- Sumanov, L.**, Traditional sun-baked (adobe) brick structures in Macedonia, Yugoslavia. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 131–136.
- Syrová–Anýzová, Z.**, Renouveau des villages en terre en Moravie. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 237–243.
- Syrová, Z.; Syrový, J.; and Kríz, J.**, Inventaire, documentation et méthodologie de conservation de l'architecture en terre en République Tcheque. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 430–435.
- Syrová, Z. and Syrový, J.** Hlinena architektura ve Francii. = Earth architecture in France. *Zpravy památkové péče*, no. 7 (1992), pp. 4–15.
- Taylor, M. R.**, Conservation, maintenance and repair of earthen architecture. Which way do we hold the map? *Terra 2000: 8th International Conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 189–194.
- Taylor, M. R.** Earthen architecture traditions in New Mexico. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1990), pp. 21–27.
- Taylor, M. R.**, The effectiveness of the US/ICOMOS specialized committee on earthen architecture. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 590–596.
- Taylor, M. R.**, An evaluation of the New Mexico state monuments adobe test walls at Fort Selden. *6th International conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19

October 1990 (1990), pp. 383–389.

- Taylor, M. R.**, Fort Seldon test wall status report. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), pp. 91–102.
- Taylor, M. R.** *An overview and assessment of cappings used for protecting exposed adobe walls*. (1987) 20p.
- Temimi, M.; Ben Amor, K.; and Camps, J. P.** Making building products by extrusion and cement stabilization: limits of the process with montmorillonite clay. *Applied clay science*, 13, (1998), pp. 245–253.
- Teutonico, J. M.** *A laboratory manual for architectural conservators*. ICCROM, Rome (1986), 157p.
- Teutonico, J. M.** *A laboratory manual for architectural conservators*. 2nd ed. ICCROM, Rome (1988), 168p.
- Theng, B.** *The chemistry of clay-organic reactions*. John Wiley & Sons, New York (1974), 343p.
- Theng, B. K. G.** *Developments in soil science*, 9. Elsevier, Amsterdam (1979), 362p.
- Thieme, J.** Studies of soil colloids with x-ray microscopy. *America's microscopy and analysis*, 49, (2001), pp. 23–25.
- Thomson, M. L.; McBride, J. F.; and Horton, R.** Effects of drying treatments on porosity of soil materials. *Soil science society of America journal*, 49, (1985), pp. 1360–1364.
- Thorne, R. M.** *Revegetation: the soft approach to archaeological site stabilization*. Technical brief no. 8, (1992)
- Tilakarathne, V.**, Sri Lanka traditional house types. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 139–144.
- Tiller, D. T. P. and Look, D. W.** *Preservation of historic adobe buildings*. In National Park Service Preservation Briefs, No. 5. National Park Service, Washington, D.C. (1978), 8p.
- Tolles, E. L.**, Seismic retrofitting of historic adobes. *7a conferencia internacional sobre e estudo e conservação da arquitetura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 533–538.
- Tolles, E. L.; Webster, F. A.; Crosby, A.; and Kimbro, E. E.** *Survey of damage to historic adobe buildings after the January 1994 Northridge earthquake*. In GCI Scientific Program Reports. The J. Paul Getty Trust, Los Angeles (1996)
- Tolles, L. E.; Kimbro, E. E.; Webster, F. A.; and Ginell, W. S.** *Seismic stabilization of historic adobe structures. Final report of the Getty adobe project*. In GCI Scientific Program Reports. The J. Paul Getty Trust, Los Angeles (2000)
- Torraca, G.**, Brick, adobe, stone and architectural ceramics: deterioration processes and conservation practices. *Preservation and conservation: principles and practices. Proceedings of the North American international regional conference*. Williamsburg, Virginia, 10–16 September 1972 (1976), pp. 143–165.
- Torraca, G.**, An international project for the study of mud-brick preservation. *Preprints of the contributions to the New York conference on conservation of stone and wooden objects*, 1. New York, New York, 07–13 June 1970 (1970), pp. 47–57.

- Torraca, G.** Masonry and masonry materials: brick, adobe, stone and architectural ceramics: deterioration processes and conservation practices. *Commissioned papers: preservation and conservation: principles and practices (unpublished)*. (1972) 35p.
- Torraca, G.** *Porous building materials: materials science for architectural conservation*. Technical Notes. ICCROM, Rome (1981), 141p.
- Torraca, G.** *Porous building materials: materials science for architectural conservation*. 2nd ed. ICCROM, Rome (1982), ix + 145p.
- Trappeniers, M.**, CRATerre–EAG, ICCROM. Le Projet GAIA. Les cours internationaux sur la préservation du patrimoine architectural en terre (1989–1990–1992). Rapport d'activités. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 605–611.
- Trappeniers, M.** Training in the conservation of earthen architectural heritage. *Cultural resource management: conserving earthen architecture*, 22, no. 6 (1999), pp. 7–13.
- Trappeniers, M.; Joffroy, T.; Avrami, E.; and Alva, A.**, Training in the conservation of earthen architectural heritage: building a field of study. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 436–439.
- Tributh, H. and Lagaly, G.** *Identifizierung und charakterisierung von tonmineralen = Identification and characterization of clay minerals*. Deutsche Ton- und Tonmineralgruppe e. V., Giessen (1991)
- Trotman, P. M.** Mud slinging at the building research establishment: 80 years of research and information dissemination. *Terra 2000: papers of oral presentations not included in pre-prints*. (unpublished)
- UNDP/UNESCO and ICCROM**, *Adobe: international symposium and training workshop in the conservation of adobe. Final report and major papers*. Lima–Cuzco, Peru, 10–22 September 1983 (1983), 148p.
- United Nations Environment Programme. Mediterranean Action Plan. Priority Actions Programme.** *Experience of Mediterranean historic towns in the integrated process of rehabilitation of urban and architectural heritage = Expériences des villes historiques Méditerranéennes en matière des processus intégrés de réhabilitation du patrimoine urbain et architectural*. United Nations Environment Programme. Mediterranean Action Plan, Split (1987), iv + 591p.
- Urban, T.**, Some problems concerning the evaluation of wall structures in Mohenjo–Daro. *Forschungsprojekt der Mohenjo–Daro. Dokumentation in der Archaeologie, Techniken, Methoden, Analysen. Veröffentlichung der Seminarbeiträge = Mohenjo–Daro research project. Documentation in archaeology. Techniques, methods, analyses. Proceedings of the seminar*. Aachen, Germany, 5–6 December 1981 (1983), pp. 37–42.
- Van Balen, K.**, Méthodologie de la conservation et de la restauration des monuments en terre. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 182–187.
- Van Balen, K. E. P.; Ercan, S.; and Patricio, T. C.**, Compatibility and retreatability versus reversibility: a case study at the late Hellenistic nymphaeum of Sagalassos (Turkey). *The use of and need for preservation standards in architectural conservation*. Atlanta, United States, 18–19 April 1998 (1999), pp. 105–118.
- Van Der Merwe, D. H.** The prediction of heave from the plasticity index and percentage clay fraction of soils. *The civil*

engineer in South Africa, (1964), pp. 103–107.

- Van Greiken, R. E. and Markowicz, A. A.** Handbook of x-ray spectrometry: methods and techniques. In *Practical spectroscopy*, 14. Brame, E. G, Editor. Marcel Dekker, Inc., New York (1993), p.704.
- Van Lengen, J.** Mexico, a presentation of past and present examples. In *Case studies on earth construction, 2*. Centre de Recherches Architecturales, Louvain (1984), pp. 1–39 .
- Van Olphen, H.** *An introduction to clay colloid chemistry*. 2nd ed. John Wiley and Sons, New York (1977), xviii + 318p.
- Van Olphen, H. and Fripiat, J. J.** *Data handbook for clay materials and other non-metallic minerals*. Pergamon Press, Oxford (1979), 346p.
- Vandiver, P. B.; Druzik, J. R; and Wheeler, G. S.,** *Materials issues in art and archaeology II*. San Francisco, California, 17–21 April 1990 (1991), xxviii + 844p.
- Varanda, F. ,** O lémene e a terra. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 86–91.
- Vargas Neumann, J.,** Earthquakes and adobe structures. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers* . Lima – Cuzco, Peru, 10–22 September 1983 (1983), pp. 69–75.
- Vargas–Neumann, J. and Bernales, J. B.,** Construcciones de tierra, en el Perú de hoy. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 188–193.
- Vargas Neumann, J.; Heredia Zavoni, E. A.; Bariola Bernales, J. J.; and Mehta, P. K.,** Preservation of adobe constructions in rainy areas. *5th international meeting of experts on the conservation of earthen architecture = 5ième réunion internationale d'experts sur la conservation de l'architecture de terre*. Rome, Italy, 22–23 October 1987 (1988), pp. 103–110.
- Vargas Neumann, J. H.,** Earthquake resistant rammed–earth (tapial) buildings. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 503–508.
- Velde, B.** *Introduction to clay minerals*. Chapman and Hall, London, United Kingdom (1992), 198p.
- Ventikou, M.; Halls, C.; Lindsay, W.; Batchelder, M.; and Hubbard, C.,** An evaluation of geology and weathering in the preservation of marl objects. *Proceedings of the 9th international congress on deterioration and conservation of stone* . Venice, Italy, 19–24 June 2000 (2000), 283–291p.
- Verité, J.,** Protection and conservation of adobe historic complexes. *Adobe: international symposium and training workshop on the conservation of adobe. Final report and major papers*. Lima– Cusco, Peru, 10–22 September 1983 (1983), pp. 139–144.
- Vidale, M.** Immagini di restauro della civiltà dell'Indo (Pakistan) = Illustrations of restoration of the Indus civilization, Pakistan. *Acta geoarcheologica urbica*, 1, no. 2 (1990), pp. 37–46.
- Villegas, J. N.,** Experiencia de restauração estrutural arquitetônica baseada em componentes de aço e terra na casa de

- Osambela em Lima. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 509–514.
- Viñuales, G. M.**, Construção com terra em Iberoamérica. Heranças e transferências. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 148–152.
- Viñuales, G. M.**, Construcción tradicional en el nordeste argentino = Traditional construction in northeast Argentina. *6th international conference on the conservation of earthen architecture: Adobe 90 preprints*. Las Cruces, New Mexico, 14–19 October 1990 (1990), pp. 137–140.
- Viñuales, G. M.** *Restauración de arquitectura de tierra*. Editorial del Instituto Argentino de Investigaciones de Historia de la Architecture del Urbanismo, Buenos Aires (1981), 66p.
- Wachtman, J. B.** *Characterization of materials*. Butterworth–Heinemann, Boston (1993), 480p.
- Walker, P.**, Review and experimental comparison of erosion tests for earth blocks. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 176–181.
- Wang, Y. and Diamond, S.**, An approach to quantitative image analysis for cement pastes. *Microstructure of cement-based systems. Bonding and interfaces in cementitious materials: symposia*. Boston, Massachusetts, 28 November–01 December 1994 (1995), pp. 23–32.
- Wardlaw, N. C. and McKellar, M.** Mercury porosimetry and the interpretation of pore geometry in sedimentary rocks and artificial models. *Powder technology*, 29, no. 1 (1981), pp. 127–143.
- Wardlaw, N. C.; McKellar, M.; and Yu, L.** Pore and throat size distributions determined by mercury porosimetry and by direct observation. *Carbonates and evaporites*, 3, no. 1 (1988), pp. 1–15.
- Warren, J.** *Building with earth*. John Warren, London (1989), 9p.
- Warren, J.** *Earthen architecture*. Sri Lanka National Committee of ICOMOS: Sri Lanka Central Cultural Fund, Colombo (1993), 113p.
- Warren, J.**, Protection and promotion: the steps beyond 2000. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 361–365.
- Watson, L.** The past informing the future: British earth building in the new millennium. In *Terra Britannica: a celebration of earthen structures in Great Britain and Ireland*, Hurd, J. and Gourley, B., Editor. James & James, London (2000), pp. 50–54.
- Webster, F. and Guinn, J. D.**, Evolution of seismic retrofit techniques for historic and older adobes in California. *7a conferencia internacional sobre e estudo e conservação da arquitectura de terra = 7th international conference of the study and conservation of earthen architecture*. Silves, Portugal, 24–29 October 1993 (1993), pp. 521–525.
- Wehlte, K.** *The materials and techniques of painting*. Van Nostrand Reinhold Company, Ltd, New York (1975), 678p.

- Westermarck, M.** Modern clay building products . *Terra 2000: papers of oral presentations not included in pre-prints.* (unpublished)
- Wichmann, H.** *Architektur der vergaenglichkeit. Lehmbauten der dritten welt.* Birkhaeuser, Basel (1983), 254p.
- Williams–Ellis, C.** *Cottage building in cob, pise, chalk and clay a renaissance.* George Newnes. Ltd, New York (1919), 127p.
- Willis, K. L.; Abell, A. B.; and Lange, D. A.** Image-based characterizations of cement pore structure using wood's metal intrusion. *Cement and concrete research*, 28, no. 12 (1998), pp. 1695–1705.
- Wilson, F.** *Building materials evaluation handbook.* Van Nostrand Reinhold, New York (1984), ix + 358p.
- Wilson, M. J.** *A handbook of determinative methods in clay mineralogy.* Chapman and Hall, New York (1987), 308p.
- Wilson, M. J.,** Soil smectites and related interstratified minerals: recent developments. *Proceedings of the international clay conference.* Denver, Colorado, 28 July – 2 August 1985 (1987), pp. 167–173.
- Winkler, E. and Singer, P.** Crystallization pressure of salts in stone and concrete. *Geological society of America bulletin*, 83, no. 11 (1972), pp. 3509–3513.
- Winslow, D.** Experimental aspects of mercury intrusion porosimetry. *Transportation research record*, 1, no. 1 (1986).
- Wolf, M.; Breitkopf, O.; and Puk, R.** Solubility of calcite in different electrolytes at temperatures between 10°C and 60°C and at CO₂ partial pressures of about 1 kPa. *Chemical geology*, 76, (1989), pp. 291–301.
- Wolf, M. and Rohde, H.** Solubility of calcite in mixed aqueous solutions of NaCl and KCl at 25 degrees C and CO₂ partial pressures of about 1 kPa. *Proceedings of the 7th international symposium on water rock interaction*, 7, (1992), p.195.
- Wong, P.** Fractal surfaces in porous media. *Physics and Chemistry of Porous Media*, (1987), pp. 304–318.
- Woods, W. I.,** Monks mound revisited. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 98–104.
- Woolley, Tom,** Natural materials, 'zero emissions' and sustainable construction. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints.* Torquay, United Kingdom, 11–13 May 2000 (2000), pp. 352–357.
- Xeidakis, G. S.** Stabilization of swelling clays by Mg(OH)₂. Changes in clay properties after addition of Mg–hydroxide. *Engineering geology*, 44, (1996), pp. 107–120.
- Xeidakis, G. S.** Stabilization of swelling clays by Mg(OH)₂. Factors affecting hydroxy–Mg–interlaying in swelling clays. *Engineering geology*, 44, (1996), pp. 93–106.
- Xu, Y.** Conservation in the People's Republic of China. *ICOM committee for conservation newsletter = Bulletin du comité de l'ICOM pour la conservation*, no. 6 (1988), pp. 9–11.
- Yagi, K.,** Analysis of settlement and houses of Central Sahara. *Proceedings of the international symposium on earth architecture.* Beijing, China, 1–4 November 1985 (1985), pp. 443–446.
- Yang, Y. and Yang, L.,** Earthquake damage and aseismic measure of the earth buildings in the contemporary China.

Proceedings of the international symposium on earth architecture. Beijing, China, 1–4 November 1985 (1985), pp. 453–463.

Yatsu, E. *The nature of weathering: an introduction*. Sozosha, Tokyo (1988), 624p.

Yunduo, Z., A study of earth buildings in Heilongjiang province, China. *Proceedings of the international symposium on earth architecture*. Beijing, China, 1–4 November 1985 (1985), pp. 493–499.

Zador, M., Ancient civilization – new technologies. *ICOMOS 8th general assembly and international symposium "old cultures in new worlds"*. *Symposium papers, volume 2 = ICOMOS 8ième Assemblée générale et colloque international "cultures anciennes dans les mondes nouveaux"*. *Communications du colloque, Vol. 2*. Washington, D.C., 10–15 October 1987 (1987), pp. 506–512.

Zavoni, E. A. H.; Bariola Bernales, J. J. ; Neumann, J. V.; and Mehta, P. K. Improving the moisture resistance of adobe. *Matériaux et constructions = Materials and constructions*, 21, no. 123 (1988), pp. 213–221.

Zeas S., P. and Flores E., M. *Hacia el conocimiento de la arquitectura rural Andina*. Departamento de difusión cultural de la universidad, Cuenca, Ecuador (1982), 313p.

Zehnder, K. and Arnold, A., New experiments on salt crystallization. *6th International congress on deterioration and conservation of stone*. Torun, Poland, 12–14 September 1988 (1988), pp. 320–329.

Zeza, F., Computerized analysis of stone decay in monuments. *The conservation of monuments in the Mediterranean Basin: the influence of coastal environment and salt spray on limestone and marble*. *Proceedings of the 1st international symposium*. Bari, Italy, 7–10 June 1989 (1990)

Zhang, C. and Wang, Z. Microscopical research on the crystallization of salts in saline soils. *Turang xuebao*, 24, no. 3 (1987), pp. 281–5.

Zhang, Z.; Liu, Z.; Fan, B.; Zhang, S.; Li, Q.; Li, K.; and Cao, F., The primary research on chemical preservation of ancient earthen traces. *Proceedings of the EEC China workshop on preservation of cultural heritages*. Xian, Shaanxi, P.R. of China, 25September 1991–30September 1991 (1992), pp. 213–217.

Zhaohui, L.; Giese, R. F.; van Oss, C. J.; Kerch, H. M.; and Burdette, H. E. Wicking technique for determination of pore size in ceramic materials. *Journal of the American ceramic society*, 77, no. 8 (1994), pp. 2220–2222.

Zheng, C., Analysis of damage to earth buildings in Heilongsiang, China. *Proceedings of the international symposium on earth architecture*. Beijing, China, 1–4 November 1985 (1985), pp. 485–492.

Zhongguo jian zhu xue hui. *Proceedings of the international symposium on earth architecture*. The Architectural society of China, Beijing (1985), 530p.

Zhordania, T. G.; Morrison, W. R.; Plass, W. T.; and Styron, C. R. *US/USSR joint studies on plastic films and soil stabilizers: IV laboratory and field studies in soil stabilizers*. United States Department of Interior. Bureau of Reclamation–USSR Ministry of Reclamation and Water Management (1982), 127p.

Zhu, Q., Technique and experience in building houses with rammed earth. *Proceedings of the international symposium on earth architecture*. Beijing, China, 1–4 November 1985 (1985), pp. 507–511.

Ziegert, C., Analysis of material, construction and damage in historical cob buildings in central Germany. *Terra 2000: 8th international conference on the study and conservation of earthen architecture. Preprints*. Torquay, United

Kingdom, 11–13 May 2000 (2000), pp. 182–186.

Zielecka, M.; Rosciszewski, P.; and Borkowski, J. Ahydrosil Z: silikonowy srodek hydrofobizuj'co-wzmacniaj'cy do konserwacji zabytkow = Ahydrosil Z: silicone hydrophobic fortifying agent used in the conservation of cultural property. *Rocznik przedsiêbior stwa panstwo wego pracownie konserwacji zabytków*, 1986, no. 1 (1990), pp. 73–80.