Curriculum Vitae of **Mohammad Rafique Mughal**

(Professor Emeritus of Archaeology, Boston University)

PERSONAL: Birthplace: Gujranwala (Punjab Province), Pakistan

EDUCATION: B.A. (Hons.) 1956; M.A. 1958; Ph.D. 1970 (University of Pennsylvania)

TEACHING AND RESEARCH EXPERIENCE

University of California, Berkeley (1977 & 2000); University of the Punjab, Pakistan (1987-88, 1991-92 & 1996); University of Pennsylvania, Philadelphia (1988); Fellow and Professor at Churchill College, Cambridge University, U.K. (1998-99); Research Fellow, Harvard University, Department of Anthropology / Asia Center (1999); Professor Boston University, Department of Archaeology (1997 and 1998; and 2000 - 2014). Undergraduate and Graduate level courses taught at Boston University:

(On Heritage Conservation and Management)

AR 504 Preserving World Heritage: Principles and Practice

AR 810: International Heritage Management AR 480-/780: Archaeological Ethics and Law

(On Ancient Architecture and Art)

AR 261: Asia's Cultures and Civilizations (originally as Heritage of Asia)

AR 221: Archaeology of the Islamic World

AR 262: Asian Gods and Goddesses

(On Archaeology)

AR 360: The Indus Valley

AR 560: Civilizations of Central and South Asia

Other Academic Appointments:

- Visiting Fellow, Churchill College, Cambridge University, U.K. to conduct research on Settlement Patterns and Cultural Landscape of Northern South Asia, early October 1998 to March 1999.
- *Senior Fulbright Scholar*, University of Pennsylvania, Philadelphia, U.S.A., 1988 –1989 for research and lecturing.
- Co-investigator of Ethno archaeological Research in Chitral, northern Pakistan, 2003.
- *Honorary Adjunct Professor*, Delhi University, Department of History, Delhi, India (since 2008).
- *Member*, Ph.D. Examination/Jury Committee, Sorbonne University, Paris, France (2010)
- *Adviser/ Consultant,* Department of Archaeology and Anthropology, Shah Abdul Latif University, Khairpur, Pakistan (since 2010).
- Reviewer/Examiner, Higher Education Commission, Islamabad, Pakistan.
 To review curricula of all Graduate level courses offered by all Universities in Pakistan in Archaeology, Architecture, Heritage Preservation and Museums for the National Curriculum Revision Committee, 2011.
- Assistant Supervisor of Ph.D. Candidate at Department of Historical Studies, University of Gothenburg, Sweden, 2012 to date.

PROFESSIONAL APPOINTMENTS (in Pakistan's Department of Archaeology, 1959-1996) Between 1958 and 1996 (38 years), held positions of various ranks in the Department of Archaeology and Museums of Pakistan's Federal Government as listed below except for appointments as Archaeological Advisor to the Government of Bahrain (1980-1982), Senior Fulbright Scholar, U.S.A. (1988-89), Visiting Lecturer (University of California, Berkeley (1977) and as a Graduate Student at the University of Pennsylvania, U.S.A. (1967-1970).

- Director General of Archaeology and Museums (3 years):
- **Director of Archaeology** (9 years);
- Director of Explorations and Excavations (8 years);
- Director, National Museum of Pakistan (I year);
- **Assistant Director** of Explorations & Excavations, (4 years);
- Field Officer, Explorations and Excavations (5 years); and
- Curator-in-charge, Archaeological Museum, Harappa (2 years).

INTERNATIONAL ASSIGNMENTS

Archaeological Adviser to Bahrain's Directorate of Antiquities, 1980 – 1982; **The World Bank Consultant** for *Cultural Heritage Assessment, Pakistan*, 1998 and 1999; **UNESCO Consultant** for *Establishment of International Institute of Comparative Civilizations at Taxila*. 1996:

National Project Coordinator of UNESCO, Japan and Pakistan for Preservation of Gandhara Monuments, 1995 –96;

ICOMOS Consultant on evaluation of sites proposed for inscription on World Heritage at

- Merv (Turkmenistan),1998;
- Longmen Grottoes (China), 2000;
- Yungang Grottoes (China), 2001;
- Pasargadae, (Iran), 2003; and
- Kunya-Urgengh (Turkmenistan), 2004.
- Carried out desk review of *Qutb Shahi Monuments of Hyderabad*, India, 2012 for the World Heritage Committee and External Review of *Bayt Al-Razzaz Palace*, Cairo, Egypt for 2014 World Monuments Watch, 2013.
- Represented ICOMOS at the Sub-Regional Meeting on Conserving Himalayan Heritage: The Role of the World Heritage Convention at Kathmandu (Nepal),1998;
- 15th General Assembly and Scientific Symposium, X'ian (China), 2005 and
- ICOMOS *Asia –Pacific Congress and Hangzhou Forum on World Heritage Conservation*, Hangzhou (China), 2008.

ARCHAEOLOGICAL FIELD RESEARCHES

Planned, organized and personally directed archaeological field research projects involving extensive surveys and documentation of hundreds of archaeological sites and monuments. Conducted excavations in Pakistan, Bangladesh and Bahrain (Gulf) on the sites belonging to the Buddhist, Islamic, Medieval and Prehistoric times. In all, forty major explorations and excavations projects were carried out in Pakistan and other Asian countries independently and in

collaboration with national and international teams.

On the Indus Civilization and Bronze Age sites

Excavations at Jhukar, 1973 - 74; Malir Megaliths, 1975; Harappa, 1967 and 1992; Jalilpur, 1971 and 1976; Jhang, 1974; Sutkagen-dor, 1960; Sar al-Jisr (**Bahrain**), 1980-81 and 1981-82; and Buri and A'Ali (**Bahrain**), 1980-82.

On the Buddhist and Early Historical/ Medieval sites

Lahore Fort, 1959; Aibek's Grave, 1960; Tulamba, 1963-64; Satgara, 1971; Charsada, 1958 (headed by Sir Mortimer Wheeler); Nimogram, 1967; Pan Dheri, 1967; Mainamati (**Bangladesh**), 1962-63; and Paharpur (**Bangladesh**), 1963.

On the Early Islamic sites

Mansurah, 1965-66, (headed by Dr. F. A. Khan); 1967 and 1982-83; Banbhore, 1958, 1959-60 (headed by Dr.F.A. Khan), 1960-61, 1961-62, 1964 and 1965; and Bhiro Bham, 1964.

Conducted archaeological surveys/ explorations in the following areas of Pakistan.

- ❖ Balochistan Province: Northern and central regions, 1973; along the Makran Coast, 1960; Las Bela, 1962; and Kej Valley, 1964.
- ❖ Khyber Pakhtunkhwa and Northern Areas: Swat and Dir, 1966; Gilgit and Hunza, 1979.
- ❖ Sindh Province: Jacobabad, 1961; Nwabshah and Thatta, 1963; Malir River Basin, 1964; Sukkur-Rohri region, 1966; Karachi and Thano Bula Khan, 1966; Upper Sindh along Raini-Nara, 1983; Indus Kohistan, 1983; and Nagarparkar, 1987.
- Punjab Province: Cholistan, 1974, 1975, 1976, 1977 and 1992; Multan and Faisalabad, 1967, 1971, 1973 and 1976; Sahiwal 1966 and 1971; Dera Ghazi Khan, 1961; and Lahore, 1990.

Documentation of historical monuments, architectural remains and ancient sites

❖ As *Project Director*, initiated and supervised two major projects in Pakistan for Survey and Documentation of Sites and Monuments in Sindh and Punjab Provinces respectively during 1994 and 1993 - 1996.

HERITAGE CONSERVATION AND MANAGEMENT (Monuments and Archaeological Sites)

As Director of Archaeology in Pakistan for **ten years** and responsible for the protection and conservation of 229 monuments and sites including those on World Heritage, directed and supervised restoration and conservation of more than thirty monuments and excavated **remains** of the Islamic, Buddhist and Proto-historic periods, in Punjab and Khyber Pakhtunkhwa Provinces and Northern Areas of Pakistan. The monuments included Buddhist monasteries, stupas and city remains in the Swat and Taxila Valleys; remains of the Indus Civilization at Harappa; and

Islamic buildings of the Medieval period in Lahore such as Lahore Fort and Shalamar Garden that are on UNESCO's World Heritage List. Specific examples of restoration and conservation works included (but not restricted to) the following:

Lahore Fort (World Heritage monument), 1984 through 1991; Shalamar Garden (on World Heritage list), 1984 through 1989; Garden Pavilion of Wazir Khan, 1984 through 1990; Mausoleum of Emperor Jahangir, 1985 to 1987 and 1989 to 1991; Tomb of Ali Mardan Khan, 1989-90; Tomb of Prince Pervez, 1986 to 1988; Tomb of Mir Chakar, 1987-88; Sheikhupura Fort, 1986 to 1989; Hiran Minar and Pavilion, 1985 to 1987; Nandana Fort, 1987-88; Mosques of Dai Anga and Mariyam Zamani, 1986 to 1988; and Archaeological site of Harappa, 1986 to 1988 and 1993.

LIST OF PUBLICATIONS (by subjects)

Published more than **sixty** original research works consisting of books, book chapters and research papers in Pakistan, England, France, Italy, Germany, U.S.A., Bahrain, Japan, Iran, China, Turkmenistan and India. Some were translated into Japanese, French and German languages.(*Popular articles published in various newspapers for creating public awareness are not listed*).

On Heritage Management and Conservation

- 2011. Heritage Management and Conservation in Pakistan: The British Legacy and Current Perspectives," *Heritage 3*. Hazara University, Mansehra: 123 -134.
- 2011. (Book Chapter) "Heritage Preservation in Pakistan from the National and International Perspectives". In, Zaman, Mahmood, State Vandalism of History in Pakistan. Lahore/ Karachi/ Islamabad: Vanguard Books (Pvt), Ltd: 104 128.
- 2005. "Impact of urbanization around the city of Lahore and the world heritage monument of Shalamar Garden (Pakistan)", *Proceedings of ICOMOS 15th General Assembly and Scientific Symposium* on "Monuments in their Setting: Conserving Cultural Heritage in Changing Townscapes and Landscapes," Xi'an (China): World Publishing Corporation, Volume 1: 419 424.
- 2005. Monuments at Kunya-Urgench, Turkmenistan: Comments on Preservation Policies and Procedures, *Circle of Inner Asian Art, SOAS* (University of London), 20: 16 19. (Now, *Journal of the Inner Asian Art*)
- 1996. Theory and Practice in Garden Conservation. In, Hussain, M., Rehman, A. and Wescoat, J.L. (eds.), *The Mughal Garden: Interpretation, Conservation and Implications*. Islamabad Lahore Karachi: Ferozsons (Pvt.) Ltd.:111-113.
- o **1995.** (Book) Legislation for the Protection and Management of Archaeological Heritage of Pakistan. Karachi: Department of Archaeology and Museums.
- 1990. Preliminary Investigations for the Conservation and Restoration of Brick Pavements at Jahangir's Tomb, Lahore, *Lahore Museum Bulletin* (Lahore), Vol.

III, (1): 79-83.

On Archaeology: circa 7000 – 500 BCE (South Asia and Beyond)

- 2013. Preliminary Observations on the Ceramics collected by A. Ghosh from Rajasthan in 1950."In, *Essays in Memory of Dr. S.P. Gupta*. Indian Archaeological Society, New Delhi (forthcoming).
 - **2012**. Cultural Continuity of the Indus Valley Civilization in Sindh, Southern 'Pakistan." In, Mokammal H. Bhuiyan (ed.), *Studies in Heritage of South Asia* (Essays in Memory of Dr. Harunur Rashid). **Dhaka** (Bangladesh): Heritage Management and Research: 230 237
- 2005. Sir Aurel Stein's Papers on the Survey of Ghaggar- Hakra River, 1940-42.
 In, Jarrige, C. and Lefevre, V. (eds.), South Asian Archaeology 2001. Paris: 277-280.
- 2005. The Emergence of Satellite Communities along the Beas Drainage:
 Preliminary Results from Lohama Lal Tibba and Chak Purbane Siyal. In, Jarrige,
 C. and Lefevre, V. (eds.), South Asian Archaeology 2001. Paris: 327 -335. (Coauthorship with by Schuldenrein, J., Wright, R, and Khan, M. Afzal).
- 2004. Landscapes, soils, and mound histories of the Upper Indus Valley, Pakistan: new insights on the Holocene environments near ancient Harappa, *Journal of Archaeological Science*, 31: 777 – 797. (Co-authorship with by Schuldenrein, J., Wright, R, and Khan, M. Afzal).
- 2003. Evidence of Rice and Ragi at Harappa in the Context of South Asian Prehistory. In, Misra, V.N. and Kajale, M.D. (eds.), Introduction of African Crops into South Asia. Pune: Indian Society for Prehistoric and Quaternary Studies: 73 – 78.
- 2001. Resurrecting Sir Aurel Stein from the Cholistan Desert, *Context* (Boston):
 Boston University Center for Archaeological Studies, 15 (2): 1 4.
- 1998. (Book Chapter) "The Archaeology of Sindh (since 1930)": A 55-page long supplement to the Antiquities of Sind. Third Edition. Karachi: Department of Culture and Tourism, Government of Sindh: 153-208.
- o **1997**. (**Book**) *Ancient Cholistan: Archaeology and Architecture*. Rawalpindi-Lahore- Karachi: Ferozsons (Pvt.), Ltd.
- 1997. A Preliminary Review of Archaeological surveys in Punjab and Sindh:
 1993-95, South Asian Studies (London), 13: 275-284.
- 1996. (Book Chapter) The Indus Valley: 3000-1500 BC". In, Dani, A. H. and Mohan, J. -P. (eds.), History of Humanity: Scientific and Cultural Development.
 Vol. II, Paris and London: UNESCO and Rutledge: 246 265. (Co-author B. K. Thapar).

- 1994. The Harappan Nomads of Cholistan. In, *Allchin B. (ed.), Living Traditions:* Studies in the Ethno archaeology of South Asia. New Delhi: Oxford & 1BH
 Publishing Co. Pvt. Ltd.: 53-68
- 1992. The Geographical Extent of the Indus Civilization during the Early, Mature and Late Harappan Times. In, Possehl, G. (ed.), South Asian Archaeology
 Studies. New Delhi: Oxford & IBH Publishing Co. Pvt. Ltd.: 123-143.
- 1992. The Consequences of River Changes for the Harappa Settlements in Cholistan, Eastern Anthropologist (Lucknow), Special Number on Indus Civilization. Vol.45 (1 & 2): 105-116.
- 1992. Jhukar and the late Harappan Cultural Mosaic of the Greater Indus Valley. In, Jarrige C. (ed.), South Asian Archaeology 1989. Madison, Wisconsin: The Prehistory Press: 213-221.
- 1992. Rice and Ragi at Harappa: Preliminary Results by Plant Opal Analysis, Pakistan Archaeology (Karachi), No. 27: 129-142.
- o **1991**. Ancient Sites in Cholistan, Bahawalpur (1974-77), *Lahore Museum Bulletin* (**Lahore**), and Vol. IV (2): 1-52.
- o **1991**. The Cultural Patterns of Ancient Pakistan and Neighbouring Regions, circa 7000-1500 BC, *Pakistan Archaeology* (**Karachi**), No.26: 218-237.
- 1990. Archaeological Field Research in Pakistan since Independence: An
 Overview, Bulletin of Deccan College and Postgraduate Research Institute
 (Pune), Vol.49: 261-278.
- o **1990**. Further Evidence of the Harappan Culture in the Greater Indus Valley: 1971-90, *South Asian Studies* (**London**), No. 6: 175-199.
- 1990. The Protohistoric Settlement Patterns in the Cholistan Desert, Pakistan. In, Teddei, M. (ed.), *South Asian Archaeology 1987*. Rome: Instituto Italiano per il Medio ed Estremo Oriente: 143- 156.
- 1990. The Decline of the Indus Civilization and the Late Harappan Period in the Indus Valley, *Lahore Museum Bulletin* (Lahore), Vol. III (2): 1-17.
- o **1990**. The Harappan Settlement Systems and Patterns in the Greater Indus Valley (Circa 3500-1500 BC), *Pakistan Archaeology* (**Karachi**), No.25: 1-72.
- o **1990**. The Harappan twin Capitals and Reality, *Journal of Central Asia*, (**Islamabad**), Vol. XIII (1): 155-162.
- o **1990**. (In Japanese) New Archaeological Evidence on the Harappan Problem from the Recent Researches in the Cholistan Desert, Kokogaku Zasshi (**Japan**):

- *Journal of the Archaeological Society of Nippon*, LXXV (3): 34-57 (with a summary in English on p. 381).
- o **1989**. The Development of Proto-historic Research in Pakistan: 1970-85, *Journal of Central Asia* (**Islamabad**), Vol. III (1): 47-77.
- **1988**. Genesis of the Indus Valley Civilization, *Lahore Museum Bulletin* (**Lahore**), Vol. I (1): 45-54.=
- 1987. (In German) Die Indus Civilization: Entstehung Einer Hockhultur (The Indus Civilization: Beginning of High Culture), Vegessene Stadte Am Indus,
 Mainz Am Rhein (Germany): Verlag Philipp Von Zabern: 112-118.
 - -(Also published in French) La naissance de la civilization de l'Indus, *Les Cities Oubliees de lí Indus: Archaeologie due Pakistan*. **Paris**: Musee National des Arts Asiatiques Guimet: 71-74, 1988.
- 1985. The Significance of some Pre-and Protohistoric Discoveries in the Karakorum Region, *Journal of Central Asia* (Islamabad), Vol. VIII, No.2: 213-235.
- 1984. The Post-Harappan Phase in Bahawalpur District, Pakistan. In, Lal, B.B. and Gupta, S.P. (eds.), Frontiers of the Indus Civilization. New Delhi: Books and Books: 499-503.
- 1983. Current Research Trends on the Rise of Indus Civilization. In, Urban G.
 /Jansen M. (eds.), Veroffentlichungen des Geodatischen Institutes der Rheinisch Westfalischen Technischen Hochschule Aachen, Nr. 34:500 and 6. December 1981 (Aachen, Germany): 13-20.
- 1983. (Book) The Dilmun Burial Complex at Sar: 1980-82 Excavations in Bahrain. Ministry of Information, Directorate of Archaeology and Museums, State of Bahrain.
- 1982. Resent Archaeological Research in the Cholistan Desert. In, Possehl, G. L. (ed.), Harappan Civilization: A Contemporary Perspective. Oxford & IBH Publishing Co., New Delhi, Bombay, Calcutta: 85-95.
 - 1981. New Archaeological Evidence from Bahawalpur. In, Dani, A. H. (ed.), Indus *Civilization: New Perspective*. (Islamabad): Centre for the Study of the Civilizations of Central Asia, Quaid-e Azam University: 33-41.
 - 1980. The Origins of the Indus Civilization, Sindhological Studies
 (Jamshoro): University of Sindh: 1-10.
 - (Translation in Japanese of) "Origins of the Indus Valley Civilization: by Dr. M. A. Konishi in *Bulletin of the Faculty of Liberal Arts Hosei University*, entitled: "M. R. Mughal's New Research on the Origins of the Indus Valley

- Civilization", No.38:15-35,1981.
- o <u>1978.</u> The Early Harappan Cultural Phase ñ A Reply, *Purattatva: Bulletin of the Indian Archaeological Society* .New Delhi, No. 10: 84-88, 1978.
- o **1975**. The Protohistory of Sindh (3000-1000 B.C.)., *Archaeology of Sindh* (**Karachi**): 5-8 and 65-67.
- 1975. Cultural links between Pakistan and Iran during the Protohistoric Period (5000-1000 BC). *Pakistan-Iran: A Common Culture*. Islamabad: Institute of Persian Studies: 33-82.
 - -Translated into Persian, Iranian *Journal of Archaeology and History* (**Tehran**), Vol.4 (1): 15-33. 1990.
- 1974. Explorations in Northern Balochistan, 1972: New Evidence and Fresh Interpretation, *Proceedings of the IInd Annual Symposium on Archaeological* Research in Iran, Tehran: Muzeh- e-Iran Bastan: 276-286.
- o **1974**. New Evidence of the Early Harappan Culture from Jalilpur, *Archaeology* (**New York**), Vol.27 (2): 276-286.
- 1973. (Book) Present State of Research on the Indus Valley Civilization. International Symposium on Mohenjo-Daro. Karachi: Department of Archaeology & Museums.
- o **1972**. A Summary of Excavations and Explorations in Pakistan, *Pakistan Archaeology* (**Karachi**) No. 8: 113-158.
- 1972. Introduction to the Pottery of Periods I and II of Sarai Khola. In, Halim, M. A., Excavations at Sarai Khola, Part II, Pakistan *Archaeology* (Karachi), No. 8: 34-53.

On Architectural Remains/ Monuments and Antiquities

- 1997. Recent Documentation of Ancient Sites and Monuments in the Punjab Province, Punjab *Journal of Archaeology and History*, Vol. 1 (1). Lahore: Department of Archaeology, Government of the Punjab. (Co-authors Muhammad Afzal Khan and Muhammad Hassan).
- 1997. (Book Chapter) Forts in Cholistan. In, Mughal, M. R., Cholistan:
 Archaeology and Architecture. Rawalpindi, Lahore and Karachi: Ferozesons
 (Pvt.) Ltd.: 125 138.
- 1997. (Book Chapter) Monuments at Uchh Sharif. In, Mughal, M. R.,
 Cholistan: Archaeology and Architecture. Rawalpindi, Lahore and Karachi:
 Ferozesons (Pvt.) Ltd.: 113 124.

- 1996. Archaeological Sites and Monuments in Punjab: Preliminary Results of Explorations, 1992-96, *Pakistan Archaeology, Special Number 29 (1994-96)*: Pages 1 - 474, Figures 107 and Photographs XXII. Karachi: Department of Archaeology and Museums. (Co-authors Farooq Iqbal, Muhammad Afzal Khan and Muhammad Hassan).
- o **1985**. Tombs of Uchh, *Heritage 85* (**Islamabad**): 39-44.
- 1985. History of Lahore and its Monuments. In, Shakoori, A. R. and Mirza, M. R. (eds.), Souvenir Sixth Pakistan Congress of Zoology, Lahore: Department of Zoology, University of the Punjab: 1-7.

On Buddhist Period

1988. (In Japanese) The Buddhist Road: Rock Engravings Along the Karakorum Highway, *Museum Kyushu* (Fukuoka: The Kyushu Association for the Promotion of the Establishment of Museum, Japan), Vol.28 (1): 59-61.

On Early Historical, Islamic and Later Periods

- 2012. Early Islamic Glazed Pottery from Banbhore and its Connections with Contemporary Cities during 8th to 11th centuries CE. In, Mokammal H. Bhuiyan (ed.), *Studies in Heritage of South Asia* (Essays in Memory of Dr. Harunur Rashid). Dhaka (Bangladesh): Heritage Management and Research: 332 341.
- 1990. The Sgraffiato Pottery in the Lahore Museum, Lahore Museum Bulletin (Lahore), Vol. III, (1): 55-61.
- 1989. Bhiro Bham: An early Muslim Settlement in Central Sindh, *Journal of Central Asia* (Islamabad), Vol.Xffl(2): 95-112. (Translated into Sindhi and published *in Mehran* (Jamshoro), vol. 40 (2-3), 73-82).
- 1986. The Islamic Glasswares from Banbhore, *Pakistan Pictorial* (Islamabad),
 Vol. X, No.3:54-59. (Translated in Sindhi and published in *Banbhore or Deybul*: 162-170, 1986)
- 1967. Excavations at Tulamba, West Pakistan, Pakistan Archaeology (Karachi), No. 4: 11-152.
- 1964. Gujrat by the Chenab (An Account of Antiquities and Monuments),
 Pakistan *Quarterly* (Karachi), Vol.12 (1): 12-19.

On Museums

o 1984. Allama Iqbal Museum, Pakistan *Pictorial* (Islamabad), Vol. III (6): 9-13.

PROFESSIONAL AFFILIATIONS AND MEMBERSHIP

- o **Hon. Fellow**, Society of Antiquaries of London.
- o Member, International Committee on Historic Gardens and Cultural Landscapes, Italy.
- Expert Member, ICOMOS International Committee on Archaeological Heritage Management since 2012.
- o **Member,** ICOMOS ICS Cultural Landscapes (re-elected for a third term).
- o Member, ICOMOS Pakistan National Committee.
- o **Research Associate,** Peabody Museum, Harvard University.
- o Member, Editorial Board of Journal of South Asian Studies.
- o **Corresponding Member of Advisory Committee,** Shanghai Archaeology Forum of Institute of Archaeology, Chinese Academy of Social Sciences, Beijing.
- o Hon. Chairperson, Cultural Heritage Management, Lahore.
- o Hon. Director, Pakistan Heritage Society, Lahore.
