

Curriculum Vitae

Dr Diya Mukherjee

Post-Doctoral Research Associate
Heritage Science and Society Programme
School of Humanities
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Honorary Fellow of University of Liverpool, UK

Date of Birth: 09 April 1989
Nationality: Indian
Marital Status: Married
Sex: Female

College/ Universities attended	Year	Degrees earned	Major field
Deccan College Post Graduate & Research Institute, Pune.	2021	PhD	Archaeology (Copper-Bronze Technology of Harappan Culture in Haryana and Gujarat)
Deccan College Post Graduate & Research Institute, Pune.	2010- 2012	Master of Arts	Ancient Indian History, Culture and Archaeology (First Class. 65.31 %).
Jadavpur University, Kolkata	2007- 2010	Bachelor of Arts in History (Honours)	Bachelor of Fine Arts (Metal Department) (First Class. 62.11 %).
Higher Secondary Examination Carmel High School, Kolkata	2005 – 2007	12 th	(First Class. 71.83 %).
Secondary Education, Bijoygarh Adarsha Vidyalaya, Kolkata	2005	10 th	(First Class. 64.75 %).

Professional Employment History

Inclusive date	Position	Institution
2023 August	Post Doctoral Research Associate	National Institute of Advanced Studies. Under TCS (Tata Consultancy Service) Project conducted by Heritage Science and Society Programme, School of Humanities
2022April- 2023 July	Project Associate	National Institute of Advanced Studies. Under DST (Department of Science and Technology) Project conducted by Heritage Science and Society Programme, School of Humanities
2021 May-2022April	Project Associate	Studies. Under TCS (Tata Consultancy Service) Project conducted by Heritage Science and Society Programme, School of Humanities

Publications

2013 The Study of Sorath Harappan Ceramics: A Case Study from the Site of Padri, Gujarat, published in **International Association for Asian Heritage, Centre for the Asian Studies University of Kelaniya, Sri Lanka**: 211-228.

2014 Dokra Art and Artisans: An Ethno-archaeological Study from Burdwan District, West Bengal, published in **Deccan College Bulletin, Pune** 74: 87-97.

2016 A Comparative Study of Dokra Metal Craft Technology and Harappan Metal Craft Technology, published in **Heritage: Journal of Multidisciplinary Studies in Archaeology** 4(2016):757-768.

2018 Investigating the Technological Aspects of Bell Metal with Special Reference to West Bengal published in **Heritage: Journal of Multidisciplinary Studies in Archaeology** 6 (2018):1003-1012.

2018 Diya Mukherjee and V.S. Shinde Copper Artefacts of Rakhigarhi: A Preliminary Report, **History Today: Journal of Historical Archeology** 19: 247-249.

2018 Understanding the Lost Wax-Technique through Ethnographic Study published in **Crucible: Historical Metallurgical Society**: 99:7-8.

2020 An Investigation of Harappan Copper Technology with special reference to Rakhigarhi and Kuntasi published in **INTACH Journal of Heritage Studies**: 4(1):56-66.

2022 Dr. S Udayakumar and Dr. Diya Mukherjee. Revisiting The Role of Vishwakarmas in Indian Metallurgy (Lost-Wax Technique): Case Studies from Tamil Nadu and Kerala published in **Indica Today**: 1-38.

Presentations of Research Papers

2014 Presented a paper entitled ‘**Copper Technology From The Harappan Sites In Chautang Basin, Haryana**’ in 5th International Congress of Society of South Asian Archaeology (SOSAA), organized by Directorate of Culture and Archaeology, Govt. of Chhattisgarh in collaboration with School of Studies in Anthropology, Pandit Ravi Shankar University, Raipur from 14th to 18th February 2014.

2015 Presented a paper entitled ‘**Dokra Art and Artisans: An Ethno-Archaeological Study From Burdwan District, West Bengal**’ in Joint Annual Conference of Indian Archaeological Society, Indian Society For Prehistoric And Quaternary Studies, Indian History And Culture Society & International Seminar On Culture And Cognition In Reconstructing The Past in Metal Technology Session held at Department of History, the University of Hyderabad from 17th – 20th December 2015.

2016 Presented a paper entitled **‘Investigating the Technology of the Kāngsārians of Bengal: A Dying Craft and Craftsmen’** in the International Conference ASTRA Science and Technology: Retrospection and Aspiration held at Deccan College from 9th -11th January 2016.

2016 Presented a paper entitled **‘A Technological Comparative Studies of Harappan Metal Craft and Dokra Metal Craft’** in the Platinum Jubilee Seminar "Emergence of language, culture and Technologies" held at Sahithya Sansthan, Rajasthan from 7th – 9th November 2016.

2017 Presented a paper entitled **‘Brass Casters of Pune: An Ethno-Technological Approach to Understand the Manufacturing Technique of Brass’** in Joint Annual Conference of Indian Archaeological Society, Indian Society For Prehistoric And Quaternary Studies, Indian History And Culture Society held at Ranchi from 6th -8th January 2017.

2017 Presented a paper entitled **‘Brass Manufacturing Technique in Western India: A Ethno Archaeological Approach’** in International Seminar on held at University of Kerala, Thiruvananthapuram from 16th-19th January 2017.

2017 Presented a paper entitled **‘Understanding the Lost Wax Technique through an Ethnographic Study’** in The Metallurgy of Our Portable Heritage, Historical Metallurgical Society AGM held at Institute of Archaeology, UCL, London on 17th June 2017.

2017 Presented a paper entitled **‘Copper Artefacts of Rakhigarhi: A Preliminary Report’** in Joint Annual Conference of Indian Archaeological Society, Indian Society For Prehistoric And Quaternary Studies, Indian History And Culture Society held at Banaras Hindu University from 4th –6th November 2017.

2018 Presented a paper entitled **‘Understanding the Copper / Bronze Technology of the Harappan Culture with special reference to Rakhigarhi: An Overview’** in 6th International Congress of Society of South Asian Archaeology (SOSAA), organized by Indian Museum, Kolkata (Ministry of Culture Government of India) in association with All India Digambar Jain Heritage Preservation Organization (AIDJHPO) from 16th-18th March 2018.

2018 Presented a paper entitled **‘Dokra: A Tribal Art: An Intangible Heritage of India’** in the International Conference on the Growth and Development of Indian Culture: Historical and Literary Perspectives (Prehistoric Period – 12th century CE) organized by Dr S.R Rao Memorial

Foundation for Indian Archaeology, Art and Culture held at Bengaluru from 29th June – 1st July 2018.

2018 Presented a paper entitled ‘**A Comparative Approach to Understand the Ancient Metal Heritage of India with special reference to Harappan Culture and Dokra Brass Ware**’ in INAE Engineering Heritage Metallurgy Study Group Annual Meeting and Workshop on Digital Museum of Metallic Objects held at Deccan College Post Graduate & Research Institute (Deemed University), Pune from 20th–21st July 2018.

2018 Presented a paper entitled ‘**Investigating the Technology of Ancient Lost Wax Technique: A Case Study of Vishwakarma Community of Mannar region of Kerala**’ in Heritage of South & South East Asia: Issues on Musealization held at Department of Museology, University of Calcutta, Kolkata from 15th– 16th November 2018.

2019 Presented a paper entitled ‘**Understanding Lost Wax Casting Process through the Living Tradition: A Case Study of Dokra Metal Craft and Craftsmen**’ in Technology and Society in Central India held at Department of History, Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh from 1st March– 2nd March 2019.

2019 Presented a paper entitled ‘**Cire Perdue (Lost Wax) Technique: Its Origin and Survival in Modern Society: An Ethnographic Tale**’ held at Department of Humanities and Social Sciences, Indian Institute of Technology, Guwahati, Assam from 1st November–2nd November 2019.

2020 Presented a paper entitled in webinar ‘**Ancient Copper Technology: A Perspective through Archaeo-Pyrotechnical Experimental Prism**’ held at Department of History and Archaeology, University of Sri Jayewardenepura, Sri Lanka in collaboration with Swami Vivekananda Cultural Centre, High Commission of India, Sri Lanka and Sri Lanka National Commission for UNESCO from 18th-21st September, 2020.

2021 Presented a paper entitled in webinar ‘**An Insight into a Lost Heritage: Ancient Copper Smelting Technology**’ in **From Micro to Macro: Exploring the Big Picture in Archaeology** held by Australian Research Cluster for Archaeological Science in collaboration with La Trobe University and The Society for Archaeological Sciences from 19th-20th March, 2021.

2021 Presented a paper entitled in webinar ‘**Investigating Ancient Copper Smelting Technology through an Experimental Approach**’ on 13th Annual Workshop on South Asian Archaeology virtually sponsored by Hartwick College, New York from 24th–25th April, 2021.

2021 Presented a joint paper by Dr. S. Udayakumar and Dr. Diya Mukherjee entitled in webinar ‘**Revisiting the role of Vishwakarmars in India metallurgy (Lost-wax technique): Case Studies from Tamil Nadu and Kerala**’ organized by INDICA on Hindu Art, Architecture & Artisan Traditions from 19th-20th November, 2021.

https://www.youtube.com/watch?v=0G-zp_Fy6vQ&list=PLpIXz64H2WtHZHaV7EKG-r-8G22ZnBaZM.

2022 Presented a paper entitled in webinar ‘**Ancient lost wax technique: An Ethnographic Approach**’ on 14th Annual Workshop on South Asian Archaeology virtually sponsored by Hartwick College, New York from 4th–6th March, 2022.

2022 Presented a paper entitled in ‘**An Archaeo-Technological Experimental Approach to Ancient Copper Smelting**’ at Young Researchers in Archaeometry 5, online workshop organized by the Austrian Archaeological Institute (ÖAW) from 5th September – 6th September, 2022.

2023 Presented a paper entitled in ‘**Investigating the Sorath Harappan Ceramics from the Site of Padri, Gujarat**’ at 15th Annual Workshop on South Asian Archaeology virtually sponsored by Hartwick College, New York from 3rd-5th March, 2023.

Poster Presentation

2022 Presented a poster entitled in ‘**An Approach to the Understanding Archaeometallurgical process of Ancient Copper Smelting through Experimental Archaeology**’ at 3rd Experimental Archaeology Student Symposium (EASStS) at the University of Liverpool from 9th - 10th 2022, June.

Lecture Delivered

2009 Lecture delivered on Egyptian Practice of Mummification Process at **Jadavpur University, Kolkata** to undergraduate students.

2016 Lecture delivered on Archaeology: Its Basics at **Jadavpur University, Kolkata** to M.Phil, Students.

2020 Lecture delivered on A Sneak Peek into a Lost-Heritage: Ancient Copper Smelting Technology at **National Institute of Advanced Studies (NIAS), Bangalore** in the segment Debating Heritage as part of Public Archaeology.

2021 Presented a paper entitled Experimenting with Copper: An Archaeological Approach in NIAS Wednesday Discussion held at **National Institute of Advanced Studies, Bangalore** on 8th December 2021.

Scholarship & Awards

2016–2021 Received **UGC Fellowship of SWAMIVIVEKANANDASINGLEGIRLCHILD IN SOCIAL SCIENCES** for the year 2015 – 2016 for the PhD in ‘Copper Technology from the Harappan Sites in Chautang Basin, Haryana’

2016 Received **INTACH Heritage Academy Award** on the research entitled, ‘An Investigation of Harappan Copper Technology with Special Reference to Rakhigarhi and Kuntasi’.

2017 Received **ICHR Research Travel Grant** on the research entitled, ‘Understanding the Lost Wax Technique through an Ethnographic Study’ held at Institute of Archaeology, UCL, London.

2018 Received **Coghlan Bequest Research Grant** from **Historical Metallurgical Society, London** for the research entitled ‘A Comparative Study of Ancient and Modern Investment Casting in India with Special Reference to Archaeological Evidence’.

2023 Received **University of Liverpool Virtual Fellowship** from **University of Liverpool, United Kingdom** for the research entitled ‘Terracotta Crafts of West Bengal (Bankura horses) with special reference to Panchmura, Bankura’.

Workshop Organized

2018. Co-Ordinated **INAE Meeting on Metallurgy and Digital Museum** held at Deccan College Post-Graduate and Research Institute, Pune from 20th–21st July 2018.

2022. Co-Organized **Experiment on Ancient Iron Smelting Process** held at Centre for Incubation, Innovation, Research and Consultancy in Jyothi Institute of Technology, Bengaluru on 26th August, 27th August and 10th November, 2022.

2023. Co-Organized **Experimentation Demonstration of Ancient Iron Smelting Process** held at Netaji Subhas Chandra Bose Government Girls' High School, Tekkalkota, Karnataka from 10th January- 14th January, 2023.

2023. Co-Organized **Handmade Pottery Workshop** held at Centre for Incubation, Innovation, Research and Consultancy in Jyothi Institute of Technology, Bengaluru on 1st July- 2nd July, 2023.

Conferences Attended

2011 Participated in the Seminar entitled “Conference on the Archaeology of South Asia” (held from 22nd-24th August 2011) at Jawaharlal University, Delhi.

2012 Participated in the conference on “International Seminar on Harappan Sites in Western India (Gujarat)”, held from 22nd – 24th March 2012 at Deccan College Post-Graduate & Research Institute, Pune.

2012 Participated in the conference on “Enduring Landscape”, held from 05th November to 07th November 2012 at Centre for Archaeological Studies in Eastern India (CASTEI), Kolkata.

2020 Participated in the conference (Webinar) On Day of Experimental Archaeology- Digital (DE) organised by Lorsch Abbey (DE), <https://experimentellearchaeologie.org/>

Workshops Attended

2011 Participated in one day workshop on “**Pottery Making**” held on 26th March 2011, Organized by Department of Archaeology, Deccan College Post-Graduate and Research Institute, Pune.

2011 Participated in a two-day workshop on “**Indian Bead Technology**” held on 14th and 15th December 2011, Organized by Indian Museum, Kolkata.

2012 Participated in the two-day workshop of “**Ceramics: An Experimental Approach**” held on 30th and 31st March 2012, Organized by the Workshop Committee of Deccan College Post-Graduate and Research Institute ,Pune.

2012 Participated in a “**Ceramic course: An Introduction**” held in Centre for Archaeological Study and Training, Eastern India from 06th August 2012 to 28th September 2012.

2013 Participated in a course entitled “**Indian Epigraphy and Paleography**” held in Indian Museum, Kolkata from 20th November 2012-20th February 2013.

2015 Volunteering for the two days’ workshop in Research Methodology held in Deccan College Post-Graduate and Research institute from 3rd and 4th September 2015.

2021 Participated in the online workshop on “**Material Analysis in Archaeometry**” organized by Universit at Tübingen, Germany from 18th-22nd October, 2021.

Field Experiences

2010-2011 One-month excavation on Proto-historic site of **Karsola Kheda**, Haryana, India. Directed by Prof. V. S. Shinde, Deccan College Post-Graduate and Research Institute, Pune.

2010-2011 Explorations of the Harappan site such as **Farmana and Rakhigarhi**, Haryana.

2013-2014 One month excavation at the Harappan site of **Rakhigarhi, Haryana**, India. Directed by Prof. V.S. Shinde of Deccan College Post-Graduate and Research Institute, Pune.

2013-2014 Explorations of the Harappan site such as **Farmana and Rakhigarhi**, Haryana.

2014-2015 One and half month excavation at the Harappan site of **Rakhigarhi, Haryana**, India. Directed by Prof. V.S. Shinde of Deccan College Post-Graduate and Research Institute, Pune.

2014-2015 Exploration at **Rakhigarhi** (mound9), Haryana, India.

2015 April. One day field work at **Margram**, Rampurhut subdivision of Birbhum district, West Bengal.

2015 August. Two days field work to **Guskara, Ausgram, and Burdwan** district West Bengal to document traditional Dokra Brass Ware.

2015 November .One day field work to **Burdwan** to document Dokra work in the workshop studio of the artist.

2015 December. One day field work to **Potroshayer**, Bankura district West Bengal to document Bellmetal manufacturing technique.

2015 December. One day field work to **LalGola**, Murshidabad district West Bengal to document Bellmetal manufacturing technique.

2016 November. One day field work to **Udaipur city** to document Brass technology.

2016 December. Two days field work to **Kashbapeth, Pune**, Maharashtra to document Copper and Brass technology manufacturing technique.

2017 June. One day field work to **Sova Bazar, Kolkata** to document Brass technology.

2017 January. One day field work to **Mannar** to document the Lost-Wax casting process of making sculptures in Thiruvananthapuram, Kerala.

2018 August. One day field work at **Nizampura** to document iron smiting process in Vadodara, Gujarat.

2018 August. One day field work to **Vadodara city** to document Sand mould casting in Vadodara, Gujarat.

2018 December Two day's field work at **Khetrinagar, Rajasthan** at **Hindustan Copper Limited (Khetri Copper Complex)** to collect **copper ores** for the experiment conducted as part of the doctoral degree and **visited mining area, Khetri** (underground) up to 120 M from Sea level.

2019 October. One day fieldwork at **Goranahata, Kolkata** to understand jewellery making techniques from copper base alloys.

2021 July. One day fieldwork (visiting excavation conducted by State Archaeology Department of Tamil Nadu) at **Mayiladumparai, Krishnagiri, Tamil Nadu.**

2021 July. One day fieldwork at **Mallachandram Dolmen (Megalithic burial), Krishnagiri, Tamil Nadu.**

2021 November. One day field work at **Basavanagudi (Kadala festival), Bangalore, Karnataka.**

2022 April. Four days field trip to **Mahabalipuram (Mallapuram), Tamil Nadu** (ethnographic surveys of Lost Wax Casting Technique).

2022 April. Field visit to **Seashore Temple, Mahabalipuram, Tamil Nadu.**

2022 May. One day field trip to **Arikamedu** (ancient trading site establishing contact with Roman Empire), **Pondicherry, Tamil Nadu.**

2022 September. One week field visits at **Keeladi, Kothagai and Agaram, Tamil Nadu.**

2023 January. One day fieldwork at **Tekkalakota, Bellari district, Karnataka.**

Research Experiences

2021 Dissertation on “Copper-Bronze Technology of Harappan Culture in Haryana and Gujarat in Archaeology from the Department of AIHC and Archaeology, Deccan College, Pune (**as part of partial completion of doctoral degree in Archaeology**) under the guidance of Prof. V. S. Shinde.

2012 Dissertation on “The Study of Sorath Harappan Ceramics: A Case Study From The Site of Padri, Gujarat”: a thesis submitted to the Deccan College Post Graduate and Research Institute, Pune (**as part of partial completion of Master’s degree**) under the guidance of Prof. V.S. Shinde.

2016 Dissertation on ‘An Investigation of Harappan Copper Technology with Special Reference to Rakhigarhi and Kuntasi’: a thesis submitted to **INTACH Heritage Academy.**

2018 Dissertation on ‘A Comparative Study of Ancient and Modern Investment Casting in India with Special Reference to Archaeological Evidence’: a thesis submitted to **Historical Metallurgical Society, London.**

2018 Training in Scanning Electron Microscopy (SEM)–Energy Dispersive X-Ray Spectroscopy (EDS) in **Carl Zeiss, Kolkata** from 24th August to 22nd November 2018.

Online Courses

2020 Participated in the Online Course work on **Wonders of Ancient Egypt** for 6 Weeks (14th April – 25th May 2020) organized by Department of History, **University of Pennsylvania, the USA** offered by Coursera.

2020 Participated in the Online Course work on **Pyramids of Giza: Ancient Egyptian Art and Archaeology** for 8 Weeks (16th April – 10th June 2020) organized by Department of Humanities, **Harvard University, USA.**

2020 Participated in the Online Coursework on **Tangible Things: Discovering History Through Artworks, Artifacts, Scientific Specimens, and the Stuff around you** for 5 Weeks (19th April – 23rd May 2020) organized by Department of Humanities, **Harvard University, USA.**

2020 Participated in the Online Course work on **Introduction to Egypt and its Civilization** for 6 Weeks (5th May–16th June 2020) organized by Department of History, **University of Pennsylvania, the USA** offered by Coursera.

2021 Participated in the Online Course work on **Osteoarchaeology: The Truth in our Bones** for 8 Weeks (26th July–19th September 2021) organized by Universiteit Leiden, The Netherlands offered by Coursera.

Life Memberships

International Congress of Society of South Asian Archaeology (SOSAA) (SOSAA.ORG : Society of South Asian Archaeology)

Indian Society for Prehistoric and Quaternary Studies (ISPQS) (ISPQS :: Home
(manandenvironment.org)

Australian Research Cluster for Archaeological Science (ARCAS) (<http://arcas.org.au/members-facilities/>)

References

Prof. V.S. Shinde

Former Vice-Chancellor

Deccan College Post-Graduate & Research Institute

Pune/Former Founding Director General, Maritime Heritage Complex,
Gandhinagar/ Director Rakhigarhi Archaeological Research Project

Prof. Sharada Srinivasan

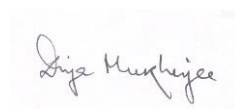
Project In charge

Head, Heritage Science and Society

Programme School of Humanities

National Institute of Advanced Studies,

Bangalore



Signature

Dr. Diya Mukherjee

Date:21-08-23

