BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY
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ESTABLISHED 1996

Babasaheb Bhimrao Ambedkar University

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Vidya Vihar, Raebareli Road, Lucknow - 226025

DEPARTMENT OF HISTORY

Name of the Faculty Member:	DR SIDHARTH SHANKAR RAI
Qualification:	M.A., NET, D. Phil.
Designation:	Assistant Professor
Department:	History
Contact Details:	**Office Address**: Room No. 203, Department of History, BBAU, Lucknow **Phone**: +91-945-279-8148, +91-700-775-8569 **Email**: ssr@bbau.ac.in, sidsrai@gmail.com **Skype ID**: raisiddha
Area of Specialization:	Ancient History, Archaeological Science, Electron Microscopy and X-Ray Microanalysis, Archaeo-metallurgy, Remote Sensing and GIS Application in Archaeology
Award/Honors/Fellowship etc.:	**Fellow** of the Royal Asiatic Society of Great Britain and Ireland, U.K. AFFILIATE: ECAI, University of California, Berkeley, U.S.A. ICHR Post-doctoral Fellow
List of Best three Publications:	**i.** Rai, S. S. (2010) Application of Integrated digital Technologies in the Study of Settlement Archaeology of Kausambi Region. In Maurizio Forte, Stefano Campana and Claudia Liuzza (eds.), *Space Time Place*. Oxford: B.A.R. Archaeopress pp. 325-32 (ISBN 9781407306599) **ii**. Rai, Siddharth Shankar; Rai, G.K.; Pandey, Avinash C.; Chattopadhyaya, U.C. (2014). Geochemical studies of the Ancient Indian Glazed Ware, *Current Science*, Vol. 106, No. 3; pp. 428-34. (ISSN 0011-3891) **iii**. Rai Siddharth Shankar, Rai, Nilesh K., Rai, A.K., Chattopadhyaya, U.C. (2016) Rare Earth Elements Analysis in Archaeological Pottery by Laser Induced Breakdown Spectroscopy, *Spectroscopy Letters*, Vol. 49, Issue 2, pp. 57-62. ISSN: 0038-7010
Highlights of Research Work:	1. Geochemical characterization of archaeological pottery and Identification of Nano particles in Ancient Indian Glazed Pottery. 2. Copper artifacts from various archaeological sites of North-Central India are analyzed in order to understand archaeo-metallurgy in Early Historic India.
Laboratory Skill:	**Excellent Operating skill** of SEM (FEI Quanta 200, JEOL FE SEM 7600), TEM (FEI Titan), ICP-MS (NexIon 350D), and XRD (Rigaku, Bruker D8), Handheld XRF and Metallographic Microscopes. **Sample Preparation Skill**: Ion Milling, Metallographic Specimen of Archaeomaterials