

SCIENTIST/OFFICERS BIO-DATA

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| a. NAME: | | | |
| Sumit Ranjan Sahu | | | |
| b. QUALIFICATION: | | | |
| M. Tech (Materials Science and Engineering), M. Sc (Chemistry) | | | |
| c. DESIGNATION: | | | |
| Project Junior Scientist | | | |
| d. CONTACT INFORMATION: | | | |
| CENTRE FOR AUTOMOTIVE ENERGY MATERIALS, ARCI, IITM RESEARCH PARK, TARMANI, CHENNAI 600 0113. email: sumitranjansahu@project.arci.res.in | | | |
| e. EXPERIENCE: | | | |
| Ph. D | July 2014 - Till Date | Indian Institute of Technology, Madras | Metallurgical and Materials Engineering |
| Project Junior Scientist | October 2013 – Till date | ARCI, CAEM | Development of Lithium Ion Batteries for Electrical Vehicle Application |
| Lecturer | July 2013- October 2013 | Rajiv Gandhi University of Knowledge Technologies, Andhra Pradesh | Materials Science and Engineering |
| M. Tech | 2011-2013 | Indian Institute of Technology, | Synthesis and Characterization of |

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|--------------|------------------|--|---|
| | | Kanpur | Graphene and Graphene-Metal Nanoparticle Hybrids via Chemical Routes |
| M. Sc | 2009-2011 | Indian School of Mines, Dhanbad | Synthesis and Characterization of Molybdenum Oxide Supported on Various Mesoporous Silica Material and Catalytic Oxidation of Ethylbenzene |
| B. Sc | 2006-2009 | St. Xavier's College, Kolkata | Chemistry |

f. RESEARCH AREA OF INTEREST

Winding of cells, Electrolyte for Lithium Ion Battery, Graphene based anode materials for Lithium Ion Battery

g. LIST OF JOURNAL PUBLICATIONS

Annexure 1

h. AWARDS AND HONORS

Best M. Tech Thesis Award in M. Tech at IIT Kanpur in 2014

Annexure 1:

PAPERS IN JOURNALS

1. "Optical Property Characterization of Novel Graphene-X (X=Ag, Au and Cu) Nanoparticle Hybrids", Sumit R. Sahu, M. Manolata Devi, P. Mukherjee, Pratik Sen and K. Biswas, *Journal of Nanomaterials*, 2013.