

Biodata

Name	Dr. Abhisek Choudhary	
Designation	Scientist A	
Educational qualification	M.Sc from NIT, Rourkela, Odisha M.Tech in Ceramic Engg. From NIT, Rourkela, Odisha Ph.D in Ceramic Engg. From NIT, Rourkela, Odisha	
Research area	Piezoceramic, Ferroelectric thin film, Porous silicon based preceramic polymer derived ceramics (PDCs), Oxide/PDC nanoporous ceramic hybrids, Preceramic polymer derived ceramic nanocomposites, Additive manufacturing, Lithium based breeder materials for Test Blanket Module (TBM) Applications in fusion reactors, Combustion synthesis of oxide ceramics, Microstructural Analysis	
Recognised Awards/Honors/Fellow	<ul style="list-style-type: none"> • JRF in a BRFST funded project • Senior ARCI Fellow from ARCI, Hyderabad • Senior Research Fellow from NIT Rourkela 	
Projects	Ongoing project: 1. Development of ceramic dielectric thin film capacitors for hybrid electric vehicle applications with a project outlay of Rs. 35.32 lakhs funded by SERB-DST (as Co-Investigator)	
Publications/Patents (Past 5 years)	1. Synchrotron Microtomography of polymer derived Macroporous SiOC ceramics, Abhisek Choudhary , Ashish K. Agrawal, Balwant K. Singh, Swadesh K. Pratihari, Shantanu K. Behera, Adv. Eng Mater. 1900172 (2019) 1-10. 2. Single step processing of polymer derived macroporous SiOC ceramics with dense struts, Abhisek Choudhary , Swadesh K. Pratihari, Shantanu K. Behera, Ceram Inter. 45 (2019) 8063-8068. 3. Macroscopic Silicon oxycarbide ceramics with dense struts by positive sponge replication technique, Abhisek Choudhary , Ashish K. Agrawal, Swadesh K. Pratihari, Shantanu K. Behera Adv Eng. Mater. 1700586 (2018) 1-7. 4. Lithium orthosilicate ceramics with preceramic polymer as silica source, A. Choudhary , S.P.Sahoo, Shantanu K. Behera, Ceram. Inter, 43 (10) 2017 7951-7957. 5. Hierarchically porous biomorphic polymer derived C-SiOC ceramics, Abhisek Choudhary , Swadesh K. Pratihari and Shantanu K. Behera, RSC Adv., 2016, 6,95897.	
Google scholar link	https://scholar.google.com/citations?user=Z7262zoAAAAJ&hl=en	