

CURRICULUM VITAE

NAME : Soumya Mishra

DATE OF BIRTH : 10th April, 1991

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EDUCATIONAL QUALIFICATION:

YEAR	BOARD/DEGREE	PERCENTAGE SECURED	RANK IN CLASS
2016 (Expected)	Master of Technology (M. Tech.) in. Metallurgical and Materials Engineering at Indian Institute of Technology, Madras, Chennai (60036), India. (Presently studying in 4 th Semester) <i>M. Tech Thesis Title: Synthesis and Characterization of Nano-glassy High Entropy Alloys</i>	C.G.P.A. - 9.25/10 (upto 2 nd Semester)	1
2014	Bachelor of Technology (B. Tech.) in. Metallurgical and Materials Engineering at National Institute of Technology, Rourkela, Odisha (769008), India. <i>B. Tech Thesis Title: Effects of Thermal Spikes on Hygrothermally and Ultraviolet Radiation Treated Fiber Reinforced Polymer Composites</i>	C.G.P.A. - 9.53/10	1
2009	KIIT Science College, Bhubaneswar, Odisha (751024), India. Council of Higher Secondary Education (C.H.S.E), Odisha, India.	85.1%	3
2007	Kendriya Vidyalaya, Baripada, Odisha (757107), India. Central Board of Secondary Examination (C.B.S.E.), India.	91.6%	2

AWARDS AND ACHIEVEMENTS:

1. Awarded DAAD IIT Master Sandwich Scholarship to carry out research work for Master Thesis at Karlsruhe Institute of Technology, Germany for 7 months (September 2015 to March 2016).
2. Awarded the Institute Silver Medal for holding first position in Bachelor of Technology (B. Tech.) in Metallurgical and Materials Engineering of National Institute of Technology (N.I.T.) Rourkela, for the year 2014.
3. Highest C.G.P.A. in 1st Semester and 2nd Semester of Master of Technology (M. Tech.) in Metallurgical and Materials Engineering of Indian Institute of Technology (I.I.T.) Madras.
4. Secured first position in Bachelor of Technology (B. Tech.) in Metallurgical and Materials Engineering of National Institute of Technology (N.I.T.) Rourkela, for all four years of B.Tech study.
5. Secured 25 All India Rank in Kendriya Vidyalaya Sangathan Mathematics Olympiad in 2007.
6. Secured All India GATE Rank 47 in Metallurgical Engineering Paper in 2014.

TECHNICAL SKILLS:

- **Experimental Skill:** Radio Frequency (RF) Sputtering Equipment, High Energy Ball Mill.
- **Characterization Skill:** Scanning Electron Microscope (LEO 1530) with Energy Dispersive X-Ray Analyser (Oxford), Atomic Force Microscope (Bruker ICON), X-Ray Diffractometer (Panalytical X'Pert Pro and Bruker Discover D8), Surface Profilometer (Dektak 6M).
- **Modeling and Simulation Skill:** LAMMPS (Molecular Dynamics Modelling), Abaqus (Finite Element Modelling).
- **Programming Languages:** C, C++, MATLAB.
- **Other Softwares:** XPert High Score Plus, OriginPro, MS-Office.

AREAS OF INTEREST

- High Entropy Alloys
- Nano-Structured Materials
- Material Characterization

PAPERS PRESENTED IN CONFERENCES

1. Soumya Mishra, Sanghamitra Sethi and B.C. Ray, "*Failure Behaviour of GFRP Composites: Effect of Thermal spike and Humid Ageing*", International Conference on Functional Materials (ICFM), February 2014, Indian Institute of Technology, Kharagpur, India.
2. Soumya Mishra, Shivangi Sahu and B. C. Ray, "*Mechanical Performance of GFRP Composite in Low Temperature Environment: An Assessment*", National Conference on Processing and Characterization of Materials (NCPCM), December 2013, National Institute of Technology, Rourkela, India.