

# SWATI KUMARI

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Ph.D.

ACADEMIC QUALIFICATIONS			
Year	Degree/Certificate	Institute	Performance CGPA/ PERCENTAGE
2020- PRESENT	Ph.D. (Materials Science Engineering)	Indian Institute of Technology, Kanpur	9.3/10
2016-2020	B.Tech. (Metallurgical and Materials Engineering)	NIT, Jamshedpur	8.3/10
2015	Class XII	GAYA COLLEGE, GAYA (BSEB)	77.20%
2013	Class X	Jai hind public school vigan ngr zindapur Gaya	8.8
SCHOLASTIC ACHIEVEMENTS			
<ul style="list-style-type: none"><li>Secured 3rd prize in "Rhetorix" Annual National Metallurgical Fest of NIT Jamshedpur, "Technica18".</li><li>Presented an e- poster presentation in an Outreach programme of NML, Jamshedpur.</li><li>Presented an oral presentation in "BTDD2019" National Metallurgy and materials seminar organised by IIM Jamshedpur.</li></ul>			
INTERNSHIP AND PROJECTS			
NAME OF THE ORGANIZATION	PERIOD	TITLE	
INDIAN INSTITUTE OF TECHNOLOGY, MADRAS	MAY 2019-JULY 2019	PROCESSING OF OPEN CELL ALUMINIUM FOAM USING NaCl AS SPACE HOLDER.	
CSIR-NATIONAL METALLURGICAL LABORATORY, JAMSHEDPUR	DEC2018-JAN 2019	EXTRACTION OF IRON FINES FROM RED MUD	
MHRD	15 DAYS	SWACHH BHARAT SUMMER INTERNSHIP 2018	
NATIONAL INSTITUTE OF TECHNOLOGY, JAMSHEDPUR	3 Months (B. Tech Project)	SOLVENT EXTRACTION OF RARE EARTH BY PROCESS LIQUOR.	
EXTRACURRICULAR ACTIVITIES			
<ul style="list-style-type: none"><li>Working as a NSS volunteer.</li><li>Worked at Chegg (as a tutor).</li><li>Participated in all the events of "Technica'17,'18, '19".</li><li>Member of corporate affairs team of "Technica17".</li><li>Member of creative team of "Technical17".</li></ul>			
POSITION OF RESPONSIBILITY			
<ul style="list-style-type: none"><li>Coordinator of hospitality team of Annual technical fest of NIT Jamshedpur "Ojass19".</li><li>Joint - Coordinator of hospitality team of Annual technical fest of NIT Jamshedpur "Ojass18".</li><li>Academic Team Co-ordinator of Sankalp-A pledge to change.</li><li>Volunteer of event management of "Technical 18" Annual National Metallurgical Fest of NIT Jamshedpur.</li><li>Volunteer of creative team of "Technical 18" Annual National Metallurgical Fest of NIT Jamshedpur.</li></ul>			
HOBBIES			
Playing badminton and chess	Travelling	Reading books and explore new things.	

Hello! I am SWATI KUMARI, a Ph.D. student at INDIAN INSTITUTE OF TECHNOLOGY Kanpur. My area of interest is Alloy (HIGH ENTROPY ALLOYS, SUPER ALLOYS, etc), Physical metallurgy, mechanical metallurgy. I aim to develop an alloy that is sustainable at the cryogenic temperature. As the resources are diminishing day by day, I want to develop an alloy which is not only useful at high temperature, but it also sustains at low temperature. My research and writing of my undergraduate thesis titled “Solvent extraction of rare earth from process liquor”. I have also worked as a research intern at National laboratories/institutes. I have worked on the project “Extraction of iron fines from red mud” at CSIR-National Metallurgical Laboratory, Jamshedpur (2018-2019). Also, I worked at the Indian Institute of Technology Madras, Chennai (2019) on the project “Processing of open-cell aluminum foam using NaCl as space holder”.

My hobbies are reading books, explore new things, traveling, playing badminton. In my free time, I teach children. I also worked for NGO (SANKALP – A Pledge to change).