

Name: SAUMYA GUPTA

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Carrier Objective: To explore the new areas in the field of materials and contribute to research.

Current Status: Pursuing Ph.D in the Materials Science Centre, IIT Kharagpur (September 2020 onwards) under the supervision of Prof. Shibayan Roy.

Project Title: “Spheroidization response and macro-zone formation during sub-beta transus processing of two phase Titanium alloys.”

M.Tech Project: “Structure-property relationship in LMD (laser metal deposition) manufactured 17-4 Ar PH and 316L Stainless steels and Ni-based superalloy.”

M.Sc Project: “Universal Shift Register using IC-74194N.”

Broad area of interest: Additive manufacturing (especially metals), processing and characterization of materials.

Academic Qualification:

Degree/Exam& year	Institute/University	Subjects/Specialization	Marks/CGPA
M.Tech (2020)	IIT Kharagpur	Materials Science Engineering	8.75
M.Sc (2016)	P.P.N College, C.S.J.M.U	Physics	71.25%
B.Sc (2014)	B.N.D College, C.S.J.M.U	Physics, Chemistry, Mathematics	59.94%
Intermediate (2011)	K.V. No.1 Kanpur, U.P.	Physics, Chemistry, Mathematics, English, Hindi	78.60%
High-school (2009)	K.V. No.1 Kanpur, U.P.	Science, Mathematics, English, Hindi, Social Science	85.20%

Workshops:

- 1) Attended a workshop on “Hands-on Multi modal characterization” at IIT Bombay (16-18th Dec, 2019).
- 2) Attended workshops on additive manufacturing at IIT Kharagpur.

Skills and Expertise:

- 1) **Software & Tools:** Origin Pro, X’Pert Highscore, Imagej, VG Studio Max 2.2.

2) Characterization techniques: SEM, XRD, OM, Vickers hardness tester, X-ray micro-CT.

Awards and Achievements:

- 1) Qualified in GATE 2018 in Physics with AIR 833 and recipient of Gate scholarship by MHRD.
- 2) Awarded Gold Medal for securing highest marks in M.Sc(Physics) at P.P.N College (Kanpur) in the year 2016.
- 3) Qualified ACET examination in 2015 (Institute of Actuaries of India).

Position Of Responsibilities (PORs):

- 1) Associate General Secretary (Maintenance) at Sir Ashutosh Mukherjee (SAM) Hall of Residence, IIT Kharagpur.
- 2) Lead Media Team of PRAYAS (GYWS-NGO), IIT Kharagpur.

Extra-curricular activities/ Hobbies:

Have interest in reading novels, playing volleyball and badminton, colouring, Arts and Craft activities.

Personal details:

Father's Name: Anil Kumar Gupta
Mother's Name: Upasana Gupta
Date of Birth: 23/09/1993
Gender: Female
Language known: English, Hindi