

CURRICULUM VITAE

ARCHANA YADAV

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ACADEMIC QUALIFICATION

Ph.D. [2020 – Present]	CPI-10
MASTER'S DEGREE [2018-2020] MSc Chemistry, IIT (ISM) Dhanbad Division: First	OGPA-9.30
GRADUATION [2015-2018] BSc Chemistry (Hons.), Daulat ram College, Delhi University Division: First	OGPA- 8.67
INTERMEDIATE [2015] Kalka Public School, Meerut, Uttar Pradesh Division: First Meerut genius award for outstanding academic performance.	90%
HIGH SCHOOL [2013] Kalka Public School, Meerut, Uttar Pradesh Division: First	CGPA-10

ACHIEVEMENTS

CSIR-NET [JRF] 2020	AIR-89
CSIR-NET [LS] 2019	AIR-61
GATE 2021	AIR-738
GATE 2020	AIR-2805
IIT JAM	AIR-656

SCHOLARSHIP

2018-2020: Merit Cum Means Scholarship for the first year and second year during Post graduation at Indian Institute of Technology (Indian School of Mines), Dhanbad.

RESEARCH EXPERIENCE

- Ph.D., Department of Chemistry, IIT KANPUR (ongoing)
Title - Bioinspired Ligands of Soft and Hard Donors: A Quest Towards Milder Redox Events That Necessitate Geometry Changes.
Supervisor - Dr. Raja Angamuthu

- Master's Thesis, Department of Chemistry, IIT(ISM) DHANBAD [2019-2020]
Title - Designing of ligands for CO₂ fixation.
Supervisor - Dr. Rohith P. John
- IAS-INSANA-SASI Summer Research Fellow, IIT KHARAGPUR [May-June 2019]
Title - To synthesize fluorescent Photoremovable Protecting Groups (FPRPG) based on Dibenzofuran for Dual Release of Carboxylic Acids.
Supervisor - Dr. N.D. Pradeep Singh
- Innovation Project Member, UNIVERSITY OF DELHI [2016-2017]
Title - Development of New Fluorescent Silica Nanoparticles for Rapid Detection of clinical Pathogens.
 [project code - DR 303]
Supervisor - Dr. Darshan Singh

CONFERENCES AND POSTER PRESENTATION

- Group Poster Presentation in International Conference on Green Chemistry in Environmental Sustainability and Chemical Education (ICGC -2016)
- Group Poster Presentation in National Conference on Combating Industrial Pollution For Sustainable Environment - A Fusion of Industrial and Scientific Efforts (CIPSE-2016).
- Attended Seminar on HIFU Technique for Cancer Therapy
- Attended seminar on 3D Printing and its uses in Tissue Engineering by Dr. Javid Iqbal.
- Attended 27th National Symposium in Chemistry (NSC) of Chemical Research Society of India (CRSI).

SKILLS

- **Experimental Competencies:** Hands-on experience with Ultraviolet-visible spectroscopy (UV-VIS.), Fourier-transform infrared spectroscopy (FT-IR)
- **Softwares known:** Endnote, ChemDraw, Origin Plot, Mestre Nova, Olex2
- **Language:** English and Hindi
- **Hobbies:** Drawing, Playing badminton

REFERENCE

Dr. Raja Angamuthu
 Associate Professor,
 Department of Chemistry, IIT Kanpur
 Email- raja@iitk.ac.in.