

CURRICULUM VITAE

ARCHANA YADAV

Email Id: archanay20@iitk.ac.in

Contact no: 7017951818

Website: <https://archanay20.wixsite.com/mysite>



Academic Qualifications:

Ph.D. [course work], IIT Kanpur, Kanpur, Uttar Pradesh

MASTER'S DEGREE [2018-2020], MSc Chemistry, IIT (ISM), Dhanbad

GRADUATION [2015-2018], BSc Chemistry (Hons.), Daulat ram college, Delhi university

INTERMEDIATE [2015], Kalka Public School, Meerut, Uttar Pradesh

HIGH SCHOOL [2013], Kalka Public School, Uttar Pradesh

CPI-10

OGPA-9.30

OGPA-8.67

90%

CGPA-10

Achievements:

PMRF Fellowship

CSIR-NET [JRF] JUNE 2020

CSIR-NET [LS] DEC 2019

GATE 2021

GATE 2020

IIT JAM

Dec 2021

AIR-89

AIR-61

AIR-738

AIR-2805

AIR-656

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-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 Presentations:

- Group Poster Presentation at International Conference on Green Chemistry in Environmental Sustainability and Chemical Education (ICGC -2016)
- Attended 27th National Symposium in Chemistry (NSC) of Chemical Research Society of India.
- Research Scholar Day, Department of Chemistry, IIT Kanpur-2022
- Poster presentation at Rice University-IITK symposium [Nov 2022]

Skills:

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

Declaration:

I, hereby declare that all the information furnished above is true to my belief and fact.