



# Charu Agrawal

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## Education

- 2015-06 - 2017-05 **Master of Science: Biotechnology**  
KIIT School of Biotechnology, KIIT University - Bhubaneswar, Odisha
- Graduated with 9.75 CGPA.
  - Received KIIT Merit Scholarship.
  - Awarded Chancellor's Gold Medal for securing highest CGPA in M.Sc. Biotechnology.
  - Dissertation: 'To study the role of macrophage and platelet interaction in *Mycobacterium pathogenesis*.'
- 2012-06 - 2015-05 **Bachelor of Science: Biotechnology**  
St. Thomas College Bhilai, Pt. Ravishankar Shukla University- Raipur, Chhattisgarh
- Graduated with 80.06%
  - Attained first position in University and received 6 Gold medals.



## Work Experience

- 2020-12 - 2022-05 **Assistant Professor of Biotechnology**  
Govt. V.Y.T. Post Graduate Autonomous College, Durg, Chhattisgarh
- Taught subject matter based on information compiled from multiple sources, including textbooks, research articles and online sites.
  - Conducted online lectures and prepared videos for remote learning.
  - Assessed student comprehension through regular quizzes, tests and assignments and reviewed work with struggling students to boost success.
- 2020-08 - 2020-10 **Assistant Professor of Biotechnology**  
Kalyan Post Graduate College, Bhilai, Chhattisgarh
- Utilised PowerPoint presentations and blackboard system to conduct lectures and discussions.
  - Developed materials for homework assignments and handouts to facilitate learning.



## Accomplishments

- Qualified **GATE** in Biotechnology, 2019-03 and 2020-03.
- Awarded National Eligibility (**NET**) (Life Sciences) for Lectureship from CSIR UGC, New Delhi, 2017-12 and 2018-12.
- Awarded National Eligibility (**NET**) (Environmental Sciences) for Lectureship from UGC, New Delhi, 2017-11.
- Awarded Chhattisgarh State Eligibility (**SET**) for Lectureship from Chhattisgarh Professional Examination Board, Raipur, 2017-09.
- Qualified TCS National Qualifier Test designed to assess competence in the core cognitive processes of verbal, numerical and reasoning abilities.



## Skills

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### Research:

- **Animal tissue culture**
- **Cell-based assays:** MTT cytotoxicity assay, Resazurin assay, Rhodamine phalloidin staining.
- **Molecular Biology:** Nucleic acid analysis, Gel electrophoresis, PCR, Western blot.
- **Microbiology:** Pure culture techniques, Biochemical identification, Estimation of MIC, In vitro CFU assay.
- **Immunological assays:** ELISA, Immunodiffusion assay.

### Other:

- Intermediate skills in **MS PowerPoint:** Used to conduct lectures.
- Advanced experience with **MS Word:** Utilised advanced editing and formatting tools to develop study materials.
- Basic knowledge of **MS Excel.**



## Certification

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- TCS iON Career Edge - Young Professional course for core employability skills such as communication, presentation, collaboration, business etiquette, financial and digital literacy skills.  
Online course - TCS iON, Tata Consultancy Services, 2020-05.