

**Address**

Kolkata, West Bengal

**Email ID**

[camelia@students.iisertirupati.ac.in](mailto:camelia@students.iisertirupati.ac.in)

**Nationality**

Indian

**Language**

English, Hindi, Bengali

**Hobbies**

Singing, Drawing, Reading

1. International Conference on Emerging Materials, 2023, IISER Pune (Poster Presentation)

2. Conference of Current Trends in Chemical Science (Organized by Department of Chemistry, Scottish Church College, University of Calcutta) (Best Poster Award).

3. National Conference on Functional Molecules (NCOFM-2019)

3.

**Academic Participation**

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Single Crystal XRD, Powder XRD, Circularly Polarised Luminescence (CPL), Circular Dichroism (CD), UV-Vis Spectroscopy, Fluorescence Spectroscopy, Fourier Transform Infrared Spectroscopy (FTIR), Time Resolved Fluorescence Spectroscopy, Scanning Electron Microscope (SEM).

DFT, TD-DFT, NBO Calculations.

1. CHM 211- Inorganic Chemistry, BSMS 3rd semester, IISER Tirupati

2. CHM 222, BSMS 4th semester, IISER Tirupati

3. Modern Engineering Materials, Electrochemistry and Applications, Instrumental Methods and Applications, BTech 1st year, Sri Venkateshwara College of Engineering, Tirupati.

**Teaching Experience**

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**Instrumental and Computational Skills**

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**Prime Minister’s Research Fellowship (PMRF)**, Cycle 10.

**GATE 2023**

**Academic Excellence Award 2023** for the exemplary performance in the courses of IPhD program in Chemistry, IISER Tirupati.

**JAM (Joint Admission Test for M.Sc.), 2020:** Rank- 683.

**Best Poster Award:** Current Trends in Chemical Science, Scottish Church College, University of Calcutta.

**Achievements**

1. **Dutta, C**; Maniappan, S; Kumar, J. Delayed Luminescence Guided Circularly Polarized Emission in Atomically Precise Copper Nanoclusters, ***Chem. Sci.***, 2023, *14*, 491-498 (Front Cover Art).

2. Maniappan, S; **Dutta, C**; Solís, D. M.; Taboada, J. M.; Kumar, J. Surfactant Directed Synthesis of Intrinsically Chiral Plasmonic Nanostructures and Precise Tuning of their Optical Activity through Controlled Self-Assembly, ***Angew. Chem. Int. Ed.,*** 2023, e202300461 (Front Cover Art).

3. **Dutta, C**; Maniappan, S; Kumar, J. Dual Emissive Optically Active Gold Nanoclusters Endowed with Circularly Polarized Phosphorescence, ***Chem. Commun.***(2023) (accepted).

**Publication**

**Computation Studies on Stacking Interaction in the Aromatic Systems (Jan-April, 2021)**  Supervisor: Dr. Padmabati Mondal

**Aggregation of Achiral Gold Nanorods on Chiral Cellulose Nanocrystals Template (May-Dec, 2021)** Supervisor: Dr. Jatish Kumar

**Design and Synthesis of Atomically Precise Optically Active Metal Nanocluster (Jan- July, 2022)** Supervisor: Dr. Jatish Kumar

**Lab Rotation Project**

**IPhD, Chemistry, 2020 IISER Tirupati,** Supervisor: Dr. Jatish KumarM.S.: CGPA- 8.5

**B.Sc, Chemistry Honours, 2017-2020 Seth Anandram Jaipuria College, University of Calcutta** Percentage: 79.25%

**XIIth Grade | 2015-2017 Baghbazar Multipurpose Girls’ School** Percentage: 81%

**Xth Grade | 2013-2015 Baghbazar Multipurpose Girls’ School** Percentage: 86.4%

**Education**

**Integrated PhD Student at Indian Institute of Science Education and Research (IISER) Tirupati**

**Camelia Dutta**