

# Bio-Data

Dr. Debarati Das

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### Permanent Address:

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D-301, Shah Complex 3 Chs Ltd., Plot No.-02, Sector -13, Sanpada, Navi Mumbai, Maharashtra, PIN- 400705


## Current Position and Experience


 **Tenure (Temporary faculty)** : Veermata Jijabai Technological Institute, Mumbai

 **Post Doctorate** : D. S. Kothari fellowship Awardee, ICT Mumbai, India.

## Academic Achievements

 **Doctorate:** Ph. D. programme in Chemistry, Indian Institute of Technology, Kharagpur (IITKgp), India.








 **Masters of Science :** Masters in Inorganic Chemistry from University of Calcutta (1<sup>st</sup> Class).

 **Bachelor of Science:** Chemistry Honours, from Lady Braboune College, University of Calcutta, India. (1<sup>st</sup> Class). Pass courses: Physics and Mathematics.



## Awards and Achievements

Fellowship	Rank
Dr. D.S.Kothari PDF	Awarded
CSIR-UGC National Eligibility Test	UGC-82
CSIR-UGC National Eligibility Test	UGC-88
CSIR-UGC National Eligibility Test	Lecturership-124

## Publication list

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-  **D. Das** and B. M. Bhanage, Double Carbonylation Reactions: Overview and Recent Advances, *Adv. Synth. Catal.*, 2020, 362 (15), 3022-3058.
  -  **D. Das** and Kumar Biradha, Cocrystals and Salts of 3,5- Bis(pyridinylmethylene)piperidin-4-one with Aromatic Poly-Carboxylates and Resorcinols: Influence of Stacking Interactions on Solid-State Luminescence Properties, *Aust. J. Chem.*, 2019, 72(10) 742-750.
  -  **D. Das**, S. Roy and K. Biradha, Crystal Engineering with Isosteric Triamine and Triether linked Aromatic Tri-carboxylic Acids: Iso-structurality and Synthons interplay in their Co- crystals and Salts with Bis(pyridyl) Derivatives, *New J. Chem.*, 2018, 42, 19953-19962.
  -  **D. Das** and K. Biradha, Luminescent Coordination Polymers of Naphthalene Based Diamide with Rigid and Flexible Dicarboxylates: Sensing of Nitro Explosives, Fe(III) Ion, and Dyes. *Cryst. Growth Des.*, 2018, 18 (6), 3683-3692.
  -  **D. Das** and K. Biradha, Metal-Organic Gels of Silver Salts with an  $\alpha,\beta$ -Unsaturated Ketone: Influence of Anions and Solvents on Gelation, *Inorg. Chem. Front.*, 2017, 4, 1365- 1373.
  -  **D. Das**, G. Mahata, A. Adhikary, S. Konar, and K. Biradha, Structural Adaptation of Ni<sub>4</sub>O<sub>4</sub> Units to Form Cubane, Open Dicubane, Dimeric Cubane, and One-dimensional Polymeric Cubanes: Magnetostructural Correlation of Ni<sub>4</sub> Clusters, *Cryst. Growth Des.*, 2015, 15, 4132-4141.
  -  **D. Das**, K. Biradha, Supramolecular Metallogelator: The Pivotal Role of Aromatic Solvents and anions, *Acta Cryst.*, 2017, A73, C528. (Conference paper).

### Book Chapters.

-  **D. Das** and B. M. Bhanage, Chapter title: Nickel-catalyzed Carbonylations, Book title: The Chemical Transformations of C1 Compounds, Wiley-VCH, 2021, 3, 1397-1438 (eds. Bartolo Gabriele).
-  **D. Das**, N. Patil, and B. M. Bhanage, Chapter title: Organic Transformations with Nitromethane, Book title: Carbon Monoxide in Organic Synthesis: Carbonylation Chemistry, Wiley-VCH, 2022, 51-81 (eds. Xiao-Feng Wu).

*I declare that the foregoing information is correct and complete to the best of my knowledge and belief.*

Debarati Das