

Name: Dr. Tufan Singha Mahapatra

Designation: Assistant Professor

Branch: Chemistry

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Educational Qualification(s):

Qualification(s)	University
Master of Science	Indian Institute of Technology, Madras
PhD	Indian Institute of Technology, Kharagpur

Experience in years:

Academic: 2 years 5 months

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1.	CSIR-Central Salt and Marine Chemicals Research Institute	SERB-National Post-Doctoral Fellow	07-03-2017	06-03-2019
2.	CSIR-Central Salt and Marine Chemicals Research Institute	Research Associate	26-03-2019	05-08-2019

Other Information:

PUBLICATIONS

1. White-Light-Emitting Lanthanide and Lanthanide-Iridium Doped Supramolecular Gels: Modular Luminescence and Stimuli-Responsive Behaviour
T. Singha Mahapatra,* H. Singh, A. Maity, A. Dey, S. K. Pramanik, E. Suresh and A. Das*
Journal of Materials Chemistry C, 2018, 6, 9756-9766 (I/F: **6.641**)
(First cum corresponding author)
2. Competitive coordination aggregation for V-shaped [Co₃] and disc-like [Co₇] complexes: synthesis, magnetic properties and catechol oxidase activity
T. Singha Mahapatra,D. Basak, S. Chand, J. Lengyel,M. Shatruk, V. Bertolasi and D. Ray

- Dalton Transactions*, 2016, **45**, 13576-13589 (I/F:**4.052**)
3. Dinuclear nickel complexes of divergent Ni \cdots Ni separation showing ancillary ligand addition and bio-macromolecular interaction
T. Singha Mahapatra, S. Chaudhury, S. Dasgupta, V. Bertolasi and D. Ray
New Journal of Chemistry, 2016, **40**, 2268–2279 (I/F:**3.069**)
 4. Trapping of Methanoato Bridge in μ -1,1,3,3 Mode for [Cu₄] Aggregate Formation: Synthesis, Steric Control on Nuclearity, Antimicrobial Activity, and DNA-Interaction Properties
T. Singha Mahapatra, A. Roy, S. Chaudhury, S. Dasgupta, S. L. Shrivastava, V. Bertolasi, and D. Ray
European Journal of Inorganic Chemistry, 2017, 769–779 (I/F: **2.578**)
 5. Carboxylate Coordination Assisted Aggregation for Quasi-Tetrahedral and Partial-Dicubane [Cu₄] Coordination Clusters
T. Singha Mahapatra, A. Bauzá, D. Dutta, S. Mishra, A. Frontera and D. Ray
ChemistrySelect, 2016, **1**, 64–74 (I/F:**1.716**)
 6. Forced ether oxygen coordination from reduced Schiff base ligand in [Cu₂] complexes: Synthetic preference, trapping of carboxylates and catechol oxidation
T. Singha Mahapatra, K. Chattopadhyay, D. Basak, M. Das, A. Bhanja, M. Biswas and D. Ray
Journal of the Indian Chemical Society, 2015, **92**, 1939–1947 (I/F: **0.20**)
 7. Direct C–N coupling in an in situ ligand transformation and the self-assembly of a tetrametallic [Ni^{II}₄] staircase
A. K. Ghosh, **T. Singha Mahapatra**, R. Clérac, C. Mathonière, V. Bertolasi and D. Ray
Inorganic Chemistry, 2015, **54**, 5136–5138 (I/F: **4.85**)
 8. A square pyramidal copper(II) complex of a Schiff base ligand: synthesis, crystal structure, antibacterial and DNA interaction studies
K. Jana, T. Maity, **T. Singha Mahapatra**, P. K. Das Mohapatra, S. C. Debnath, S. Das, M. Hossain and B. C. Samanta
Transition Metal Chemistry, 2017,**42**, 69–78 (I/F: **1.016**)
 9. Rhomboidal [Cu₄] coordination cluster from self-assembly of two asymmetric phenoxido-bridged Cu₂ units: Role of $\mu_{1,1}$ -azido clips
A. Sarkar, A. K. Ghosh, M. Pait, H. Mandal, **T. Singha Mahapatra**, B. Sharangi, M. Sarkar and D. Ray
Journal of Chemical Sciences, 2012, **124**, 1377–1383 (I/F: **1.496**)

FILED PATENT

1. [PATENT Filed](#)- 201811029277 (Prov. Date: 03/08/2018)
Title: Transparent and Flexible Poly(Methyl Methacrylate) Composite Films With UV-Shielding Performances and Process For Preparation Thereof
Inventors: **Tufan Singha Mahapatra**, Sumit Kumar Pramanik and Amitava Das

CONFERENCE PRESENTATIONS

1. Poster Presented at International conference on “**Modern Trends in Inorganic Chemistry (MTIC-XVII)**”, PUNE (11-14 December 2017)
2. Poster Presented at International conference on “**Modern Trends in Inorganic Chemistry (MTIC-XVI)**”, Jadavpur University (3-5 December 2015).
3. Oral presentation in Research Scholars’ Day 2015 organized by Department of Chemistry, Indian Institute of Technology Kharagpur (August 2015).
4. Poster Presented at International conference on “**Diamond Jubilee Symposium on Recent Trends in Chemistry (DJSRTC-2011)**”, Indian Institute of Technology Kharagpur on 21-23 October 2011.

ACADEMIC DISTINCTIONS/HONORS AND AWARDS

- **SERB-National Post-Doctoral Fellowship** (2017), CSIR-Central Salt and Marine Chemicals Research Institute.
- Awarded International Travel Support by the Science and Engineering Research Board (SERB) for participating in "7th EuCheMS Chemistry Congress – Molecular frontiers & global challenges, United Kingdom (26 August, 2018 to 30 August, 2018)"
- Awarded **UGC-JRF** Fellowship (19-12-2010) and **CSIR-JRF** Fellowship (19-06-2011, **All India Rank - 26**) in Chemical Sciences.
- Graduate Aptitude Test in Engineering (**GATE**) in Chemistry: GATE-2011(**All India rank - 341**), GATE-2015(**All India rank - 33**), GATE-2016(**All India rank - 76**).
- **JAM**: Joint Admission Test, IIT, 2009 (**All India Rank - 86**)