

Faculty Profile

Name : M.INDRANI
Qualification : M.Sc., M.Phil., Ph. D., M.Li.Sc., UGC-NET
Designation : Assistant Professor of Chemistry
Date of Birth : 14.12.1976
Date of joining : 12.02.2014
Experience : 7.5 Years
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Awards /recognition

- Won best paper presentation prize twice at Annamalai University, Chidambaram, Tamil Nadu, India.
- Worked as a Council of Scientific and Industrial Research (CSIR) Senior Research Fellow in Department of Chemistry, Manonmaniam Sundaranar University, Tirunelveli, Tamilnadu, India from April 2008 to March 2010.
- Worked as Summer Research Fellow in the Department of Chemistry, IIT Madras under Prof. G. Ranga Rao, through the Indian Academy of Sciences Summer Research Fellowship during June-2013 to August 2013.
- Worked as Summer Research Fellow in the Department of Chemistry, IIT Madras under Prof. T. Pradeep, through the Indian Academy of Sciences Summer Research Fellowship during April-2014 to June 2014.

Research:

Publications : 14

Papers Published :

1. **M. Indrani**, R. Ramasubramanian, S. Kumaresan, M. Soriano-García, Synthesis and Single Crystal Structural Characterization of Hexaaquacobalt(II) 1-oxopyridinium-2-thiopropionate, **2007**, *Analytical Sciences*, 23, x127–x128.
2. R. Ramasubramanian, S. Kumaresan, **M. Indrani**, A. David Stephen, P. Kumaradhas, B. Z. Awen, Crystal structure of *catena*- Poly[di-aquacobalt(II)- μ -aqua- κ^2 O:O-di- μ -1-oxopyridinium-2-thioacetato- κ^4 O:O trihydrate], **2007**, *Analytical Sciences*, 23, x149–x150.
3. R. Ramasubramanian, **M. Indrani**, S. Kumaresan, F. R. Fronczek, B. Z. Awen, *meso*-1,2-Diphenylethylenediammonium adipate, **2007**, *Acta Cryst.*, E63, o3800.
4. **M. Indrani**, R. Ramasubramanian, S. Kumaresan, Mao-Lin Hu, M. Soriano-García, *catena*-Poly[[aqua[3-(2-pyridyl-sulfanyl)propionato *N*-oxide- κO^1]copper(II)]- μ -[3-(2-pyridylsulfanyl)-propionato *N*-oxide- $\kappa^3 O^3:O^1, O^1$] dihydrate], **2008**, *Acta Cryst.* **C64**, m23–m25.
5. R. Ramasubramanian, **M. Indrani**, A. David Stephen, P. Kumaradhas, B. Sridhar, S. Kumaresan, Crystal Structure of a Proton-Transfer Self-Associated Compound: Tetrakis(guanidinium)bis(eosinate) hexahydrate, **2008**, *Analytical Sciences*, 24, x243–x244.
6. **M. Indrani**, R. Ramasubramanian, S. Kumaresan, S. K. Kang, Min Chen, Miao Du, Hydrothermal synthesis, crystal structures, and properties of Co^{II} and Ni^{II} supramolecular complexes with 2,4,6-trimethyl benzoate and 4,4'-bipyridyl, **2008**, *Polyhedron*, 27, 3593–3600.

7. **M. Indrani**, R. Ramasubramanian, F. R. Fronczek, N. Y. Vasanthacharya, S. Kumaresan, Self-assembly of three new coordination complexes: Formation of 2-D square grid, 1-D chain and tape structures, **2009**, *J. Mol. Struct.* 931, 35–44.
8. **M. Indrani**, R. Ramasubramanian, F. R. Fronczek, D. Braga, N. Y. Vasanthacharya, S. Kumaresan, Supramolecular network formed through O–H···O and π – π stacking interactions: Hydrothermal syntheses and crystal structures of $M(H_2O)_6(optp)_2$ (M = Mg, Ni, Zn, and optp = 1-oxopyridinium-2- thiopropionate), **2009**, *J. Chem. Sci.*, Vol. 121, No. 4, 413–420.
9. S.Kumaresan, **M. Indrani**, R.Ramasubramanian, R.Subha, P.Esakki Karthik, S.Adhavan, F.R. Fronczek, Synthesis and XRD Characterization of the Organic CoCrystals, β -Phenylthiopropionic acid: Caffeine and Benzilic Acid-4,4'-bipyridine. International journal of current chemistry: vol.1, no.3, july-September 2010
10. M.Indrani, Hydrothermal Syntheses of a Coordination Complex of Copper(II) with 2,4,6-Trimethylbenzoic acid and 1,10-Phenanthroline, Proceedings of UGC sponsored one day National level Seminar on Emerging trends in frontiers of Chemistry (ETFC-2014), 30th December 2014, Sri G.V.G Visalakshi College for Women, Udumalpet, Tamilnadu, India.
11. M. Indrani and C. Murugan, **Key Factors Influencing the Implementation of Digital Libraries in the Indian Perception**, Proceedings of the DRDO Supported National Conference on Creativity, Innovation and Transformation in Libraries organized by Society for the Advancement of Library and Information Science (SALIS 2016), 8th & 9th July 2016, K.S.Rangasamy College of Technology, Tiruchengode (ISBN:978-93-85469-02-2)
12. M. Indrani and C. Murugan, “ **Global Assessment of Fossil Fuels Research Output: A scientometric study**, International Journal of Development Research, Vol.07, Issue 11, pp 16737 16744, Nov. 2017, ISSN: 2230-9926
13. M. Indrani and C. Murugan, “**Mapping of Authorship Pattern and collaborative Research on Fossil Fuels Publications indexed in A & HCI and SCI-Expanded**” (2018), Library Philosophy and Practice
14. M. Indrani and C. Murugan, “**Scientometric Analysis on Fossil fuels publications: an Indian Perspective**” - Communicated

National/International(Scopus/Web of Science)

No.of Citations : 34

h-index : 3

Major/ Minor research Projects: Nil

Research fellowship : Nil

Reviewer in International journals : Nil

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Vidwan id - 198938, Research gate, Google scholar-id..

Resource person: Nil

Books authored: One Monograph

Memberships in Professional bodies: Nil

National /International conferences /Workshops organized: Nil

Global experiences: Nil

Special Programmes like DBT /DST/

- National Webinar on Optimal Use of Online research Tools for Academicians
- National level Webinar on The Role of Forensic Science in Human Life
- Faculty Development Programme on Digital Tools for Active Teaching, Evaluation and Research
- Workshop on Soil Analysis, Water Analysis
- Workshop on bio-chemistry based experiments
- Workshop on Chromatographic Techniques