PROFILE

Name	U. SALETH PRABHAKAR	
Department	Chemistry	
Designation	*Assistant Professor*	
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Mobile	+91 9787115268	
Google Scholar ID	https://scholar.google.com/citations?user=ktYe77kAAAAJ&hl=en	
Teaching Experience	**UG**: 3 years	**PG**: 3 year

Academic Chronicle **M.Sc., Ph.D.**

S. No.	Qualification	Institution	Board/University	Year of Passing
1	Ph.D. Chemistry	St. Joseph's College, Trichy	Bharathidasan University	2020
2	M.Sc. Chemistry	St. Joseph's College, Trichy	Bharathidasan University	2016
3	B.Sc Chemistry	St. Joseph's College, Trichy	Bharathidasan University	2014

Professional Experience

INSTITUTION	DESIGNATION	DURATION OF SERVICE
St. Joseph University, Nagaland	Assistant Professor	12.03.2021to 29.05.2024

Research Profile

Research Area	:	Inorganic Chemistry
Specialization	:	Coordination Chemistry
Title of Ph.D. thesis	:	Synthesis, Characterization and Biological Studies of Metal Complexes with Schiff base Ligands
Number of Research Publication:		5 International articles
Number of Books chapter	:	1
h-index	:	5
Number of citations	:	55 (Google Scholar)
Research grant	:	Obtained research grant of Rs. 9000 from Seed Project, Arul Anandar College, Madurai.

Research Publications

1. **Usan Pathinathan Saleth Prabhakar*** et. al., Non-Covalent Functionalization of Surfactant-Assisted Reduced Graphene Oxide with Silver Nanocomposites for Highly Efficient Photocatalysis and Anti-Biofilm Applications. ***Materials Science for Energy Technologies- Elsevier, 7,2024, 205-215*** https://doi.org/10.1016/j.mset.2023.10.005 **(Scopus, Ranking: Q1)**
2. **Usan Pathinathan Saleth Prabhakar*** Nanostructured metal oxides synthesized via simple thermal decomposition of Co(II), Ni(II), Cu(II), and Zn(II) Schiff base complexes: characterization and antimicrobial activity. ***Inorganic Chemistry Communications- Elsevier, 2023, 159, 111796, https://doi.org/10.1016/j.inoche.2023.111796*** **(Scopus, IF: 3.8 Ranking Q2)**
3. **Usan Pathinathan Saleth Prabhakar*,** Synthesis, structural elucidation of metal nanoparticles prepared from metal complexes via thermal decomposition method. ***Applied surface science advances – Elsevier, 2023, 13, 1-13*** https://doi.org/10.1016/j.apsadv.2022.100357 **(Scopus, IF: 6.2. Ranking: Q1).**

4. **Usan Pathinathan Saleth Prabhakar***, John Kennady Alphonsa Juliet Helina, Yacob Vincent Sagayaraj, Synthesis, characterization and biological activity of 2-[(2-hydroxyphenylimino)- methyl]-6-methoxy-phenol (MSAP) and nano sized of Co (II), Ni (II), Cu (II) and Zn (II) metal complexes. ***Materials Today: Proceedings – Elsevier, 2021, 47, 1952-1959*** https://doi.org/10.1016/j.matpr.2021.03.717 **(Scopus, IF: 1.46. Ranking: Q2).**
5. Renathung C. Ngullie, Paramasivam Shanmugam, Mohamed H. Mahmoud, **Usan Pathinathan Saleth Prabhakar**, M.L.Aruna Kumari, M.Shaheer Akhtar, Fabrication of biomass derived carbon supported iron oxide composites for antibacterial and antifungal activity. ***Materials Letters*** **– Elsevier, 2022, 312, 131664** https://doi.org/10.1016/j.matlet.2022.131664 **(Scopus, IF: 3.42. Ranking: Q2).**

Book Chapter

U. Saleth Prabhakar contributed a book chapter entitled "***NOVEL FABRICATION OF G-C3N4/BI2O3 HETEROJUNCTION COMPOSITES FOR PHOTOCATALYTIC ACTIVITY***" in the book published by Ryan Publishers, 2024. (ISBN: 978-81 19587-23-0)

Paper Presented at the International/National Conferences

i). Paper presented at 4th **International Conference on Chemical and Environmental Research** held at the Department of Chemistry, **Jamal Mohamad College** (Autonomous) Tiruchirappalli Dt, (19-12- 2018) Title of the paper: "Synthesization and Characterization of Metal Complexes derived from 3-methoxysalicylaldehyde and 3-aminopyridine of Schiff base ligand".

ii). Paper presented at **International Conference on New Vistas in Material Science** held at **Seethalkshmi Achi College for Women**, Pallathur, Sivagangai Dt, (12-09-2019) Title of the paper: "A Novel Synthesization and Characterization of Co(II), Ni(II), Cu(II), and Zn(II) metal complexes from Schiff Base ligand of 2-ethoxy-6- (pyridine-3-yliminomethyl)-Phenol(ESAP)".

iii). Paper presented at **International Web Conference on Advanced Materials Science and Engineering (ICAMSE - 2020)** held at the Department of Physics, **Bannari Amman Institute of Technology (BIT),** Sathyamangalam, during September 11-12, 2020 Title of the paper: "Synthesis, Characterization and Biological Activity of 2-[(2-hydroxy-phenylimino)-methyl]-6-

methoxy-phenol (MSAP) and Nano Sized of Co (II), Ni (II), Cu (II) and Zn (II) Metal Complexes".

iv). Paper presented in **National Conference on Nano National Summit- Current Trends and Future perspectives (NNSCTFP-2019)** on 9th & 10th January 2019 held at Department of Chemistry, **Holy Cross College**, Tiruchirappalli, 10-01-19 Title of the paper: "Synthesization and Characterization of Schiff base ligand and Co(II), Ni(II), Cu(II), and Zn(II) Metal Complexes".

v). Paper presented at **2nd International Conference on Sustainable Materials and Technologies for Bio and Energy Applications (SMTBEA-2022)** on 13-15 July 2022 held at Department of ECE, SSN College of Engineering and SSN Research Centre, Chennai, Title of the paper: **"**Synthesis, Structural Elucidation of Metal Nanoparticles prepared from Metal Complexes via Thermal Decomposition Method.

Yours Sincerely,

(Dr. U. Saleth Prabhakar)