

GOVERNMENT OF MANIPUR
OFFICE OF THE PRINCIPAL, C.I. COLLEGE, BISHNUPUR



1. Name: **DR. THEMMILA KHAMRANG**
2. Father's name: **Lungrei Khamrang**
3. Whether belongs to ST/SC/OBC/PWD/UR: **ST**
4. Designation: **Assistant Professor**
5. Aadhaar No.: **422205335345** PAN No. **CZXPK6838E**
6. Valid E-mail: **themmilakhamrang@gmail.com**
7. DOB: **26th October 1987**
8. Date of Joining Service: **05/09/2018**
9. Date of Initial Appointment: **21/07/2018**
10. Date of Regular Appointment: **21/07/2018**
11. Place of Present Posting: **C.I. College, Bishnupur**
12. Permanent Address: **Phalee Village, Ukhrul District, Manipur. Pin-795142**
13. Temporary Address: **Nagaram B-Block, P.O. Lamlong, Imphal East- 795010, Manipur**
14. Educational Qualification:

| | Board | Grade/ Division | Year | Stream/ Subject |
|--------------|---------|--------------------|------|--|
| Matric | BSEM | I | 2003 | Eng, MIL (Tang), Sc., S.Sc., Math, H.Sc. |
| Hr. Sec. | NBSE | II | 2005 | Eng. Alt.E, Chm, Bio, Math, Phy |
| Graduation | NU | I | 2008 | Chem(H), Chem, Zoo, Bot, Eng, EVS. |
| Masters | MU | I | 2010 | Chemistry |
| M. Phil. | — | — | — | — |
| Ph.D. | NEHU | — | 2019 | Organometallic Chemistry |
| NET/JRF/SLET | UGC-NET | | 2012 | Chemical Sciences |

15. Subject Specialization: **Inorganic Chemistry**
16. Present Post & Grade: **Assistant Professor (Level-10)**
17. Teaching Experience: **4 years**
18. Project / Consultancy (Last 5 Year): **NA**

1. **Themmila Khamrang**, Arunkumar Kathiravan, Chairman Ponraj, Dhandayutham Saravanan; Y-shaped fluorophore: Synthesis, crystal structure and picric acid detection; *Journal of Molecular Structure* 1238, (2021) 130442
2. Kartikeyan Radhakrishnana, **Themmila Khamrang**, Karpagam Sambantham, Veeresh Kumar Sali, Upendra Chitgupi, Jonathan F. Lovell, A. Akbarsha Mohammad, Rajendiran Venugopal; Identification of cytotoxic copper(II) complexes with phenanthroline and quinoline, quinoxaline or quinazoline-derived mixed ligands; *Polyhedron* 194 (2021), 114886.
3. Arunkumar Kathiravan, **Themmila Khamrang**, Marappan Velusamy, Madhavan Jaccob; Synthesis, density functional theory and sensitization of indole dyes; *Materials Letters* 283 (2021) 128745.
4. Larica Pathawa, Duraiyarasu Maheshwaranb, Thavasilingam Nagendraraj, **Themmila Khamrang**, Marappan Velusamy, Ramasamy Mayilmurugan; Tetrahedral copper(I) complexes of novel N,N-bidentate ligands and photophysical properties; *Inorganica Chimica Acta* 514 (2021) 119999
5. Venkatesan Srinivasan, **Themmila Khamrang**, Chairman Ponraj, Dhandayutham Saravanan, Rekha Yamini, Soumen Bera, Mariadoss Asha Jhonsi; Pyrene based Schiff bases: Synthesis, crystal structure, antibacterial and BSA binding studies; *Journal of Molecular Structure* 1225 (2021) 129153.
6. Arunkumar Kathiravan, **Themmila Khamrang**, Namasivayam Dhenadhayalan, King-Chuen Lin, Kanagachidambaresan Ramasubramanian, Madhavan Jaccob, and Marappan Velusamy; Internet of Things-Enabled Aggregation-Induced Emission Probe for Cu²⁺ Ions: Comprehensive Investigations and Three-Dimensional Printed Portable Device Design; *ACS Omega* 5 (2020) 32761-32768.
7. Larica Pathaw, **Themmila Khamrang**, Balasubramaniam Selvakumaran, Mariappan Murali, Pitchan Arul Prakash, Mohamed Sultan Mohamed Jaabir, Marappan Velusamy; Synthesis, structure, characterization and biological evaluation of 3-substituted 1-pyridin-2-ylimidazo[1,5-*a*]pyridine-based copper(I)-phosphine complexes for anticancer drug screening. *Appl Organomet Chem.* 6025 (2020) 1-19.
8. Winaki P. Sohtun, **Themmila Khamrang**, Arunachalam Kannan, Gowdhami Balakrishnan, Dhandayutham Saravanan, Mohammad Abdulkader Akhbarsha, Marappan Velusamy, Mallayan Palaniandavar; Iron(III) bis-complexes of Schiff bases of Smethyldithiocarbazates: Synthesis, structure, spectral and redox properties and cytotoxicity. *Appl Organomet Chem.* 5593 (2020) 1-14.
9. Thanasekaran Jayakumara, Hung-Chang Huang, Chih-Wei Hsia, Tsorng-Harn Fong, **Themmila Khamrang**, Marappan Velusamy, Manjunath Manubolu, Joen-Rong Sheua, Chih-Hsuan Hsia; Ruthenium derivatives attenuate LPS-induced inflammatory responses and liver injury via suppressing NF- κ B signaling and free radical production. *Bioorganic Chemistry* 96 (2020) 103639.
10. Larica Pathaw, **Themmila Khamrang**, Arunkumar Kathiravan, Marappa Velusamy; Synthesis, crystal structure, bovine serum albumin binding studies of 1,2,4-triazine based copper(I) complexes; *Journal of Molecular Structure* 1207 (2020) 127821
11. Annasamy Gowria, **Themmila Khamrang**, Marappan Velusamy, Murugavel Kathiresan, Madhu Deepan Kumar, Madhavan Jaccob, Arunkumar Kathiravan; Pyrene based chemosensor for carbon dioxide gas-Meticulous investigations and digital image based RGB analysis; *Sensors and Actuators Reports* 2 (2020) 100007
12. **Themmila Khamrang**, Marappan Velusamy, Mohan Ramesh, Mariadoss Asha Jhonsi, Madhavan Jaccob, Kanagachidambaresan Ramasubramanian, Arunkumar Kathiravan; IoT-enabled dye-sensitized solar cells: an effective

- embedded tool for monitoring the outdoor device performance; RSC Adv., 10 (2020) 35787-35791.
13. Arunkumar Kathiravan, Annasamy Gowri, **Themmila Khamrang**, Madhu Deepan Kumar, Namasivayam Dhenadhayalan, King-Chuen Lin, Marappan Velusamy, Madhavan Jaccob; Pyrene-Based Chemosensor for Picric Acid-Fundamentals to Smartphone Device Design; *Anal. Chem.* 91 (2019) 13244-13250.
 14. Chih-Hao Yang, Chih-Wei Hsia, Thanasekaran Jayakumar, Joen-Rong Sheu, Chih-Hsuan Hsia, **Themmila Khamrang**, Yen-Jen Chen, Manjunath Manubolu, Yi Chang; Structure-Activity Relationship Study of Newly Synthesized Iridium-III Complexes as Potential Series for Treating Thrombotic Diseases; *Int. J. Mol. Sci.* 19 (2018) 3641.
 15. **Themmila Khamrang**, Ashank Seetharaman, Madhu Deepan Kumar, Marappan Velusamy, Madhavan Jaccob, Mohan Ramesh, Murugavel Kathiresan, Arunkumar Kathiravan; New D-D'-A Configured Dye for Efficient Dye-Sensitized Solar Cells; *J. Phys. Chem. C* 122 (2018) 22241-22251.
 16. Thanasekaran Jayakumar, Chia-Yuan Hsu, **Themmila Khamrang**, Chih-Hsuan Hsia, Chih-Wei Hsia, Manjunath Manubolu, Joen-Rong Sheu; Possible Molecular Targets of Novel Ruthenium Complexes in Antiplatelet Therapy. *Int. J. Mol. Sci.*, 19 (2018) 1818.
 17. Ren-Shi Shyu, **Themmila Khamrang**, Joen-Rong Sheu, Chih-Wei Hsia, Marappan Velusamy, Chih-Hsuan Hsia, Duen-Suey Chou, Chao-Chien Chang; Ir-6: A Novel Iridium (III) organometallic derivative for inhibition Of human platelet activation. *Bioinorg. Chem. Appl.*, 2018, 1-14.
 18. **Themmila Khamrang**, Marappan Velusamy, Madhavan Jaccob, Mohan Ramesh, Murugavel Kathiresan, Arunkumar Kathiravan; A combined experimental and computational investigation on pyrene based D- π A dyes; *Phys. Chem. Chem. Phys.*, 20 (2018) 6264-6273.
 19. Chih-Hsuan Hsia, Thanasekaran Jayakumar, Joen-Rong Sheu, Shin-Yi Tsao, Marappan Velusamy, Chih-Wei Hsia, Duen-Suey Chou, Chao-Chien Chang, Chi-Li Chung, **Themmila Khamrang**, Kao-Chang Lin; Structure-Antiplatelet Activity Relationships of Novel Ruthenium (II) Complexes: Investigation of Its Molecular Targets; *Molecules*, 22 (2018) 477.
20. Refresher/ Orientation/ Seminar/ Workshop etc. attended (Last 5 Years)
1. Participated in the **31st Orientation Course** (Online) in Mizoram University UGC-HRDC from 16th February to 08th March 2021.
 2. Participated in the **Refresher Course in Chemistry** (Online) in North Eastern Hill University UGC-HRDC from 21st October to 03rd November 2021.
 3. Has fulfilled 6.0 hrs. Of in-service **Continous Professional Development** (CPD) out of minimum 50 hrs. of CPD desired as per NEP-2020 by participating in **National Online Workshop entitled "Word and Excel"** organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNMTT, Ministry of Education from 17th to 18th November 2021
 4. **Presented Poster** in the International Conference on "**Frontiers on Chemical Sciences**" held from 6th -8th December, 2018, Organized by Department of Chemistry, IIT Guwahati, Assam.
 5. Participated in the One Day Seminar on "**Revised Assesment of Quality in Higher Educational Institutions**" organized by Internal Quality Assurance Cell (IQAC), C.I. College, Bishnupur on 26th April 2019.

6. Participated in Two Days National Webinar entitled "**Empowering Chemistry teachers for 21st Century Higher Education**" jointly organized by GAD-TLC, SGTB Khalsa College, University of Delhi and St. John College, Agra on 28th - 29th July 2020.
7. Participated in the Two Days International Webinar on "**Research Evolution towards Current Scenrio**" held on 13th -14th July 2020 by hosted Periyar Evr College, Tiruchipalli, Tamilnadu.
8. Participated in the Webinar on "**Chiral Chromatography**" conducted by IISM, SRM Institute of Science and Technology (SRMIST) on 15th July 2020.
9. Participated in the national Webinar on "**Research Methodology**" held on 17th July 2020, organized by Loyola College, Chennai.

21. Awards obtained: **NA**

22. Other activities (Not mentioned above)

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Signature