ORUGANTI ANJANEYULU, PhD
Assistant Professor
Department of Chemistry,
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Research Interests:

- Design and Development of Nano Materials towards Catalysis
- Metal Complexes of Biological relevance/Medicinal importance

Research & Teaching Experience:

Nov. 2019: Assistant Professor, Department of Chemistry,
Central University of Karnataka**,** Kalaburagi, Karnataka, India.

Aug. 2017: Assistant Professor (Contractual), Department of Chemistry,
Central University of Karnataka (CUK).

2014-2017: Post-Doctoral researcher, National Institute for Materials Science, (NIMS),
Tsukuba, Japan.

2012-2014: Research Associate (RA), Dept. of Chemistry, IIT Delhi.

Educational Qualifications:

2006-2012: Ph.D Thesis, School of Chemistry, University of Hyderabad.

2002- 2004: M. Sc. (Chem.) With 72% from Karnataka University Dharwad, Karnataka.

1999-2002: B. Sc With 82% from Andhra Loyola College, Vijayawada, A.P.

Contributions at CUK:

- Designed Experiments, prepared laboratory manual for course titled **CYL 405: Inorganic Chemistry Laboratory** of School of Chemical Sciences.
- Established Independent Research Laboratory, guiding PhD and Master Students for their dissertation / research projects.

Research Grant:

UGC-BSR Research Start-Up-Grant, No.F.30-546/2021 (BSR), Dt: 05.11.2021, "Synthesis, Structural and Spectroscopic Investigations on Bismuth-Lanthanide Heterometallic Complexes". Amount: Rs. 10,00,000/- (Ten Lakh Rupees Only).

Research Publications :

1. Coordinatively polymeric and monomeric bismuth (III) complexes with pyridine carboxylic acids, O**. Anjaneyulu,** T. K. Prasad and K. C. Kumara Swamy
   ***Dalton Trans.*, 2010, 39, 1935–1940. (IF = 4.02)**

2. Structural motifs in phenylbismuth heterocyclic carboxylates – secondary interactions leading to oligomers, **O. Anjaneyulu,** D. Maddileti and K. C. Kumara Swamy
   ***Dalton Trans.*, 2012, 41, 1004-1012 (IF = 4.02)**

3. Tris(4-oxy-pyridinium)nitrato lanthanide complexes $[M(4\text{-}O\text{-}C_6H_4NH)_3(NO_3)_2(H_2O)_2][NO_3]$ {M = La, Ce, Pr, Nd, Eu, Gd} – Synthesis, properties and structural characterization, **O. Anjaneyulu,** T. K. Prasad and K. C. Kumara Swamy
   ***Inorg. Chim. Acta,* 2010, 363, 2990–2995. (IF = 2.04)**

4. Studies on bismuth carboxylates- Synthesis and characterization of a new structural form of bismuth (III) dipicolinate, **O. Anjaneyulu** and K.C. Kumara Swamy
   ***J. Chem. Sci.*, 2011, 123, 131-137 (IF = 1.29)**

5. Saloplastics as multiresponsive ion exchange reservoirs and catalyst support
   Flavien Sciortino, Sajjad Husain Mir, Amir Pakdel, **Anjaneyulu Oruganti,** Hideki Abe, Agnieszka Witecka, Dayangku Noorfazidah, Awang Shri, Gaulthier Rydzek and Katsuhiko Ariga
   ***J. Mater. Chem. A*, 2020, 8, 17713-17724 (IF = 11.3)**

6. Integrated tuneable synthesis of liquid fuels via Fischer–Tropsch technology
   Jie Li, Yingluo He, Li Tan, Peipei Zhang, Xiaobo Peng, **Anjaneyulu Oruganti**, Guohui Yang, Hideki Abe, Ye Wang and Noritatsu Tsubaki
   ***Nature Catalysis*, 2018, 1, 787–793 (IF = 40.7)**

7. Light-Promoted Conversion of Greenhouse Gas over Plasmonic Metal-Carbide Nanocomposite Catalysts,

Oruganti Anjaneyulu*, Kazu Takeda, Satoshi Ishii, Shigenori Ueda, Tadaaki Nagao, Peng Xiaobo, Takeshi Fujita, Masahiro Miyauchi and Hideki Abe

***Mater. Chem. Front.*, 2018, 2, 580-584 (IF = 7.79)**

8. Mesoporous Bimetallic RhCu Alloy Nanospheres Using a Sophisticated Soft-Templating Strategy, Bo Jiang, Kenya Kani, Muhammad Iqbal, Hideki Abe, Tatsuo Kimura, Md. Shahriar A. Hossain, **Anjaneyulu Oruganti**, Joel Henzie and Yusuke Yamauchi

***Chem. Mater.*, 2018, 30 (2), 428–435 (IF = 9.46)**

9. Nanostructured polymeric Yolk–Shell capsules: a versatile tool for hierarchical nano catalyst design, N. M. Sanchez-Ballester, G. Rydzek, A. Pakdel, **Anjaneyulu Oruganti,** K. Hasegawa, M. Mitome, D. Golberg, J. P. Hill, H. Abe and Katsuhiko Ariga

***J. Mater. Chem. A*, 2016, 4, 9850-9857 (IF = 11. 3)**

10. Plasmon-mediated Photothermal Conversion by TiN Nanocubes toward CO Oxidation under Solar Light Illumination

Oruganti Anjaneyulu, Satoshi Ishii, Tsubasa Imai,, Toyokazu Tanabe, Shigenori Ueda, Tadaaki Nagao and Hideki Abe

***RSC Adv.*, 2016, 6, 110566-110570 (IF = 3.10)**

11. Metal Carbide as a Light-harvesting and Anti-cokingCatalysis Support for Dry Reforming of Methane, Kazu Takeda, Akira Yamaguchi, YoheiCho, **Oruganti Anjaneyulu**, Takeshi Fujita, Hideki Abe and Masahiro Miyauchi,

***Global Challenges*, 2020, 4(1), 1900067 (IF = 3.84)**

12. Oxide-based nanostructures for photocatalytic and electrocatalytic applications Aparna Ganguly, **Oruganti Anjaneyulu**, Kasinath Ojha and Ashok K Ganguli

***Cryst. Eng. Comm.*, 2015, 17, 8978-9001. (IF = 3.47)**

13. Synthesis of Cr and La-codoped $SrTiO_3$ nanoparticles for enhanced photocatalytic Performance under sunlight irradiation.

Surendar Tonda, Santosh Kumar, **Oruganti Anjaneyulu** and Vishnu Shanker

***Phys. Chem. Chem. Phys.*, 2014, 16, 23819-23828. (IF = 4.12)**

14. Effect of reduced graphene oxide-TiO_2 nanotube composites and surface plasmon resonances of Ag@TiO_2 nanocubes on dye sensitized solar cell performance
P. S. Chandrasekhar, Nikhil Chander, **Oruganti Anjaneyulu** and Vamsi K. Komarala
***Thin Solid Films* 2015, 594, 45-55. (IF = 1.86)**

15. Graphene based hybrid materials: Synthetic approaches and properties
Kasinath Ojha, **Oruganti Anjaneyulu** and Ashok K Ganguli
***Curr. Sci.*, 2014, 107, 397-418. (IF = 0.84)**

16. Designing of Nanoarchitectures for Photo and Electrocatalytic Applications
Aparna Ganguly, **Oruganti Anjaneyulu**, Debashree Das and Ashok K. Ganguli
***SMC Bulletin* 2013, 4(3), 1-10**

Posters presented in symposia:

1. Participated and presented poster on Secondary interactions in Phenyl Bismuth heterocyclic Carboxylates, **O. Anjaneyulu**, D. Maddileti and K. C. Kumara Swamy
at "**MTIC- XIV Symposium",** December, 2011, University Of Hyderabad, Hyderabad.

2. Participated and presented poster, oral presentation on Synthesis and Characterization of Bismuth/ Lanthanide Pyridine Carboxylates- Investigations on Gadolinium Dipicolinate as Anticancer Agent, **O. Anjaneyulu,** D. Maddileti and K. C. Kumara Swamy
"CHEMFEST 2011", School of Chemistry, University of Hyderabad, Hyderabad.

3. Participated and presented poster on Preparation, characterization and emission studies of $Ln_{2/3}ZnP_2O_7$ (Ln = Pr, Sm, Nd, Dy, Eu**),**
O. Anjaneyulu, B.Vijaya Kumar, M.Vithal and K.C.Kumara Swamy
"**MTIC-X11 Symposium",** at IIT Madras, December, 2007, IIT-Madras, Chennai.

4. Participated and presented poster on synthesis, structural investigation of nanosize bismuth vanadate for photocatalytic applications, **Oruganti Anjaneyulu,** and Ashok. K. Ganguli , **ICIACS 2013** at Punjab University Chandigarh, Punjab.

5. Participated and presented poster on Exploration of nanobismuth materials towards Phototocatalysis, **Oruganti Anjaneyulu** and Ashok. K. Ganguli
ICONSAT 2014 at Institute of Nanoscience and Technology (INST), Mohali.

- Four-Week Faculty Induction Programme-3(FIP-3) from Jawaharlal Nehru Technological University (JNTU), Hyderabad, 02-11-2020 to 08-12-2020 with A^+ grade.
- Two-week Refresher Course (RC) on "Novel Therapeutic Approaches in Drug Discovery & Development against Pandemic diseases" from Jawaharlal Nehru Technological University (JNTU), Hyderabad, 01-03-2021 to 16-03-2021 with A^+ grade.
- Short term training programme on Synthesis, Characterization and its Application of Nanomaterials, 24th -29th August 2020, Organised by Centre for Nanoscience and Technology, Jawaharlal Nehru Technological University, Hyderabad.
- One week pedagogical training on Tools for online teaching, learning and evaluation, 1st - 6th July 2020, Organised by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded, Maharastra.
- Attended 33rd CRSI National Symposium in Chemistry and CRSI-ACS Lectures, July 4th - 6th, 2024 at Dr. Reddy's Laboratories Hyderabad.

Awards & Honors :

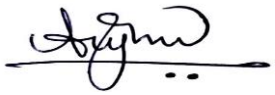
- Awarded Junior Research Fellowship (CSIR-JRF, 2006-2008) and Senior Research fellowship (CSIR-SRF, 2008-2011)
- Best poster award in ICIACS conference 2013.

Membership :

Life time Member, Chemical Research Society of India (CRSI)

Additional Responsibilities held at CU Karnataka

- Coordinator, B. Sc (PCM)
- Sports Coordinator
- IQAC Coordinator- Dept. of Chemistry
- Criteria- V Coordinator, IQAC



Dr. Oruganti Anjaneyulu