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Dr.P.Arthi Working as an Assistant Professor in the Department of Chemistry at SRMIST, Ramapuram. She Graduated Master of Chemistry at Bharathidasan University, Tiruchirappalli, India. She Pursued Ph.D. in the field of Bio-Inorganic Chemistry at The New College, Chennai, India. She is in teaching profession for more than 9 years. She has presented number of papers in National and International Journals, Conference and Symposiums. Guiding Ph.D student in the field of Material Science.

Areas of Research:

Bio-Inorganic Chemistry, Inorganic Chemistry, Material Science.

Selected Publications:

SCI/Web of Science

1. Multi-target activity of copper complexes: Antibacterial, DNA binding, and molecular docking with SARS-CoV-2 receptor. **P. Arthi**, D. Mahendiran. Busra Kaya, Kalilur Rahiman, *Chemico-Biological Interactions* 373 (2023) 110349.
2. Rapid removal of organic dyes from aqueous solutions using mesoporous exfoliated graphite, Leelakrishna Saikam, **P. Arthi**, Naidu Dhanpal Jayram, Nagaraju Sykam, *Diamond & Related Materials* 130 (2022) 109480.
3. A review on exfoliated graphite: Synthesis and Appllications, Leelakrishna Saikam, **P. Arthi**, B.Senthil, M. Shanmugam, *Inorganic Chemistry Communications* 152 (2023) 110685.
4. A Mini Review of Drug-Metal Compounds in Cancer Treatment , **P. Arthi**, K.S. Yoganand, R. Kavipriya, Helen P Kavitha, D. Mahendiran, *Turkish Journal of Physiotherapy and Rehabilitation*, 32(3) 2022, 13545-13560.
5. Study of Groundwater Quality In Industrial Area Using GIS, Rameshwaran, K S Yoganand, **P. Arthi**, K.Haribaaskar, *Engineering Letters* 29(4) 2021
6. Theoretical, biological and in silico studies of pendant-armed heteroleptic copper(II) phenolate complexes, **P. Arthi**, D. Mahendiran, S. Shobana, P. Srinivasan, A. Kalilur Rahiman , *Journal of Mol. Structure.* 1161 (2018) 306–319.
7. Antibacterial, DNA interaction and cytotoxic activities of pendant-armed polyamine macrocyclic dinuclear nickel(II) and copper(II) complexes, **P. Arthi**, A. Haleel, P. Srinivasan, D. Prabhu, C. Arulvasu, A. Kalilur Rahiman, *Spectrochim. Acta A* 129 (2014) 400–414.

8. Synthesis, antibacterial, docking and anticancer evaluation of *N*- substituted benzoyl derivatives, **P. Arthi**, S. Shobana, P. Srinivasan, A. Kalilur Rahiman, J. Chosun Natural Sci. 7 (2014) 241–252.
9. Synthesis, characterization biological evaluation and docking studies of macrocyclic binuclear manganese(II) complexes containing 3,5-dinitrobenzoyl pendant arms, **P. Arthi**, S. Shobana, P. Srinivasan, A. Kalilur Rahiman, Spectrochim. Acta A 143 (2015) 49–58.
10. Dinuclear manganese(II) complexes of hexaaza macrocycles bearing *N*-benzoylated pendant separated by aromatic spacers: Antibacterial, DNA interaction, cytotoxic and molecular docking studies, **P. Arthi**, A. Haleel, P. Srinivasan, D. Prabhu, C. Arulvasu, A. Kalilur Rahiman, J. Photochem. Photobiol. B 153 (2015) 247–260.
11. DNA binding, molecular docking and apoptotic inducing activity of nickel(II) copper(II) and zinc(II) complexes of pyridine-based tetrazolo[1, 5-a] pyrimidine ligands, A. Haleel, **P. Arthi**, N. Dastagiri Reddy, V. Veena, N. Sakthivel, Y. Arun, P. T. Perumald and A. Kalilur Rahiman, RSC Adv. 4 (2014) 60816–60830.
12. Density Functional theory Calculations and in Silico studies on the Schiff base Derivatives with Antibacterial Activities, Helen P Kavitha, **Arthi P**, Arulmurugan S , Kavipriya R, Jasmine P Vennila, Asian Journal of Pharmaceutical and Clinical Research. 5 (2019) 321–328.

Patents:

- 1 . 202211037064-Synthesis and Characterization of Vanadium Complexes With Quadridentate Schiff Bases on 8.07.2022

Book Chapters Published:

1. Computational Biology Research and Applications, ISBN No: 978-93-95423-24-3.

Professional Bodies:

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<https://scholar.google.co.in/citations?user=OmB1L7EAAAJ&hl=en>