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Dr. K. Hema Working as an Assistant Professor in the Department of Chemistry at SRMIST, Ramapuram. She Graduated in Chemistry at Bharathidasan University, Tamilnadu, India. She secured Master Degree in Chemistry at Bharathidasan University, Tamilnadu, India. She Pursued Ph.D. in the field of Corrosion at Bharathidasan University, Tamilnadu, India. She is in teaching profession for more than 16 years. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Corrosion, Phytochemistry & Nanotechnology.

Selected Publications:

1. Ganeshraja Ayyakannu Sundara, Prasanth Ravikumar, Lavanya Ramesh, **Hema Kesavan**, Siva Padma Devi Sadhasivam, Santhana Krishna Kumar Alagarsamy and Junhu Wang, Photocatalytic and Antibacterial Activities of a Nickel(II)-Bipyridine Complex-Modified Graphene Oxide Nanocomposite: Synthesis and Characterization, *Catalysts*, 13, 1200p, 2023.
2. Vasthi Gnanarani, Shanmugam Mahalingam, **Hema Kesavan**, Yalini Devi Neelan, Jiyoul Lee, Dong Wook Chang, Senthil Bakthavatchalam, Junghwan Kim, Assessment of biological properties of a methanolic extract obtained from the stem of *Cissusvitiginea*, *Biomass Conversion and Biorefinery*, 14 July 2023.
3. Shanmugam Mahalingam, Praveen Kumar Govindaraji, Vasthi Gnanarani Solomon, **Hema Kesavan**, Yalini Devi Neelan, Senthil Bakthavatchalam, Junghwan Kim, and Prakash Bakthavatchalam, "Biogenic Synthesis and Characterization of Silver Nanoparticles: Evaluation of Their Larvicidal, Antibacterial, and Cytotoxic Activities", *ACS Omega*, 8(13):11923-11930p, 2023.
4. **K. Hema**, S. Vasthi Gnanarani and G. Praveen Kumar, "In vitro Anti-inflammatory Studies of Flavonoids from *Hibiscus rosa-sinensis* Linn.", *Oriental Journal of Chemistry*, 38(1): 207-210p, 2022.
5. S. Vasthi Gnanarani, **K. Hema**, R. Ranganathan, and S. Ananth, "Ameliorative effect of *Azima tetracantha* extract on Cadmium induced Hepato-Renal oxidative stress: An in vivo approach", *Journal of Pharmaceutical Negative Results*, 13(6):519-532p, 2022.
6. **K. Hema**, B.R. Venkatraman, A. Subramania, Potential of *Ziziphus jujuba* leaves extract as green corrosion inhibitor against carbon steel in 1N HCl solution, *Der Pharma Chemica*, 8(2):332-342p, 2016.

7. **K. Hema**, B.R. Venkatraman, A. Subramania, Evaluation of corrosion inhibition of Sida acuta leaves extract on carbon steel immersed in acid medium, Res. J.Chem. Environ., 20 (1), 16-24p, 2016.
8. **K.Hema**, A. Sirajunisa, B.R. Venkatraman, A. Subramania, The effect of Solanumxanthocarpum leaves extract on corrosion inhibition of carbon steel in acidic medium, Int. J. Adv. Res. Chem. Sci., 2(9), 10-20p, 2015.

Patents:

1. 202211037064-Synthesis and characterization of vanadium complexes with Quadridentate Schiff bases on -08.07.2022.

Professional Bodies:

Member – Association of Chemistry Teachers (ACT), Mumbai.

Google Scholar:<https://scholar.google.com/citations?user=CifpXYcAAAAJ&hl=en>

LinkedIn:

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