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Dr.S.Vasthi Gnana Rani Working as an Assistant Professor in the Department of Chemistry at SRMIST,Ramapuram. She Graduated in Biochemistryat STET Women's College, Bharathidasan University, Trichirapalli, Tamilnadu, India. She secured Master of Science in Biochemistry at Bharathidasan University, Trichirapalli, India. She Pursued Ph.D. in the field of Clinical and Plant Biochemistry at Bharathidasan University, Trichirapalli, Tamilnadu, India. She is in teaching profession for more than 10 years. She has presented number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Clinical and plant Biochemistry, Nano Biotechnology.

Selected Publications:

1. **VasthiGnanarani**, ShanmugamMahalingam, HemaKesavan, Yalini Devi Neelan, Jiyoul Lee Dong Wook Chang, SenthilBakthavatchalam, Junghwan Kim (2023) Assessment of biological properties of a methanolic extract obtainedfrom the stem of *Cissusvitiginea*. Biomass Conversion and Biorefinery<https://doi.org/10.1007/s13399-023-04554-6>.(IF- 4.1)

2. **Vasthi Gnana Rani**, PerumalThangamathi, BalasubramanianHarihar, SivapunniyamAnanth, SuvaiyaranSuvaithenamudhan (2023) Evaluation and assessment of nutritional composition for quality profiling of *Phoenix dactylifera* cultivars using multivariate analytical tools. Ecological Genetics and Genomics. Volume 27, June 2023, 100173

3. Praveen Kumar, **VasthiGnanarani Solomon**, HemaKesavan, Yalini Devi Neelan SenthilBakthavatchalam (2023) Biogenic Synthesis of Silver Nanoparticles: Evaluation of their Larvicidal, Antibacterial and Cytotoxic activities. *ACS Omega* 2023, 8, 13, 11923–11930. (IF- 4.13)

4. BathmapriyaDurairaj, **Vasthi Gnana Rani**, Jeyaraj. M, SivapuniyamAnanth, Prabu Kumar Seetharaman and ThangamathiPerumal [2023] Phytoremediation of xenobiotics – A green approach for the treatment of domestic wastewater - Eco. Env. & Cons. 29 (1): 2023; pp. (371-382) ISSN 0971–765X.

5. **S.Vasthi Gnana Rani**,K.Hema,R.Ranganathan,S.Ananth(2022) Ameliorative effect of Azimatetracantha extract on Cadmium induced Hepato-Renal oxidative stress: An in vivo approach. Journal of Pharmaceutical Negative Results, Volume 13, Special Issue 6

6. K.Hema,**S.Vasthi Gnana Rani**(2022) In-vitro Anti- Inflammatory Studies of Flavonoids from Hibiscus Rosa- Sinensis Linn. Oriental Journal of Chemistry.38 (1): 2231-5039.

7. P.Geetha,**S.Vasthi Gnana Rani**(2021) Extraction and Applications of natural dye from the flower of TagetesEracta.L in different fabrics and focus on antimicrobial activity. Research Journal of Pharmacy and Technology 15(3).

8. **S.Vasthi Gnana Rani**and G.Praveen Kumar (2021) Efficacy of Azimatetracantha Leaf extract on Hematological status on Cadmium chloride induced oxidative stress. Annals of Romanian Society of Cell Biology. 25(4):4919-4942

9. **S.Vasthi Gnana Rani** and K.Murugaiah (2015) GC-MS determination of bioactive compounds in Azimatetracantha leaves. World Journal of pharmaceutical Research. 4(6): 2225-2231.

10. **S.Vasthi Gnana Rani** and K.Murugaiah (2015) Free Radical Scavenging Activity of Azimatetracantha leaves – An In vitro study. International Journal of Scientific Research. 4(7): 1929-1933.

Patents:

202241065250- Magnetic spinel ferrite nanoparticles (SFNPs) for targeted drug delivery of cytotoxic drugs in disease treatment on 25.11.2022

202341011292- Anherbal medicinal composition for therapeutic use and for anti-inflammatory activity on 17-03-2023

Book Published:

Biology for engineers

A textbook for UG B. Tech students, Edition 1, Shine Publications, Chennai, India.

Member – ACT (Association of Chemistry Teachers)

Google Scholar:

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