Prof. S. Satish

Publications

Books Edited

1. Baker, S., Nadikattu, R. R., Mohammad, S. M., **Satish, S.,** Prasad, M. N., and Chouhan, R.S. COVID-19: Pandemic update. Royal book publishing. 2020.

2. Baker, S., Prasad, M. N., Maheshan M. S., **Satish, S.,** and Soni, V D. Lockdown Life "The war with

Pandemic world". PhDians. 2020

Book Chapter

1. Baker, S., Kavitha, K. S., Azmath, P., Rakshith, D., Harini, B. P., & Satish, S. (2017). Plant diversity: envisioning untold nanofactories for biogenic synthesis of nanoparticles and their applications. *Plant biodiversity: monitoring, assessment and conservation*, 133-151..
2. Kavitha, K.S., Syed Baker, Rakshith, D., Azmath, P., Harini, B.P., and **Satish, S.** 2017. Plant diversity repertoire of bioactive triterpenoids. 152-169. In *Plant Diversity: Monitoring, Assessment and Conservation*. Ed. A.A. Ansari et al., CABI, International, UK.
3. Kavitha, K.S., Syed Baker, Rakshith, D., Azmath, P., Harini, B.P., and **Satish, S.** 2017. Plant-associate endophytic plethora as an emerging source of antimicrobials. 282-294. In *Plant Diversity: Monitoring, Assessment and Conservation*. Ed. A.A. Ansari et al., CABI, International, UK.
4. Baker, S., **Satish, S.,** Prasad, N. and Chouhan, R.S. 2019. Nano-agromaterials: Influence on plant growth and crop protection. In *Industrial Applications of Nanomaterials* 341-363. Ed. Thomas, S., Grohens, Y. and Pottathara, Y.B. Elsevier. (https://doi.org/10.1016/B978-0-12-815749-7.00012-8)
5. Rao, H. Y., Mohana, N. C., & Satish, S. (2020). Biocommercial aspects of microbial endophytes for sustainable agriculture. In *Microbial Endophytes* (pp. 323-347). Woodhead Publishing.
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7. Baker, S., Perianova, O., **Satish, S**., Prasad, N., Saveleva, E., Tatiana, R., Harini, B.P., Chouhan, R.S., Olga, K., Savitskaya, A., and Nadezhda, P. 2020. COVID-19: The siege of Humans with the invisible microbial world. In COVID-19 Pandemic update. Ed. S. Baker et al., Royal book publishing, India.
8. Hemantha Kumar, Baker, S., Naveena, M., and **Satish S**. 2020. Rebooting the world with information tools during COVID-19. In COVID-19 Pandemic update. Ed. S. Baker et al., Royal book publishing, India.

9. Nuthan, B. R., Meghavarshinigowda, B. R., Mahadevakuamar, S., Marulasiddaswamy, K.M., Rakshith, D., Shridhar, K. R., and **Satish, S**. 2021. Ethnomedicinal Significance of Epiphytic Orchids and their Fungal Endophytes. In: Ethnic Knowledge on Biodiversity, Nutrition and Health Security (Volume 1). (Accepted for Publication).
10. Mahadevakuamar, S., Santhosh, C. R., Nuthan, B. R., Shridhar, K. R., **Satish, S**., and Amruthesh, K. N. 2021. Ethnomedicinal Applications of 100 Wild Mushrooms of the Indian Subcontinent. In: Ethnic Knowledge on Biodiversity, Nutrition and Health Security (Volume 1). (Accepted for Publication).
11. Santhosh, C. R., Mahadevakuamar, S., Nuthan, B. R., Shridhar, K. R., and **Satish, S.** 2021. Nutritive value of edible mushrooms, their trace and documentation with special reference to South Indian states. In: Ethnic Knowledge on Biodiversity, Nutrition and Health Security (Volume 1). (Accepted for Publication).

Research Publication

1. Kavitha, K. S., & Satish, S. (2014). Antibacterial activity of seed extracts of Callistemon lanceolatus DC on uropathogenic bacteria. *Journal of acute medicine*, *4*(1), 6-12.

2. Patil, S.C., Naik, R.N., Satish, S., Pramod, H. and Satyanarayan, S.B. 2014. Angiotensin-I-converting enzyme inhibition and antioxidant activity of benzamide appended oxadiazole derivatives. *Indo American Journal of Pharmaceutical Research* 4(7): 3160-3166.

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4. Baker, S., Kumar, K. M., Santosh, P., Rakshith, D., & Satish, S. (2015). Extracellular synthesis of silver nanoparticles by novel Pseudomonas veronii AS41G inhabiting Annona squamosa L. and their bactericidal activity. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *136*, 1434-1440.

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6. Baker, S., & Satish, S. (2015). Biosynthesis of gold nanoparticles by Pseudomonas veronii AS41G inhabiting Annona squamosa L. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, *150*, 691-695.

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polyketide metabolites from endosymbiotic Nocardiopsis prasina CLA68. *The Science of Nature*, *103*(5-6), 45.

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26. Spoorthy, H. P., Archna, M., Rekha, N., & Satish, S. (2017). Synthesis of nickel nanoparticles via biological entity and their anti-inflammatory activity. *J. Microbiol. Biotechnol. Res*, *7*, 1-6.

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Prof. Shubha Gopal

Book Chapters:

Zameer,F., Pankaj, Kounaina, Aishwarya, Anirudh, Avinash, **Shubha Gopal**, Nagendra Prasad, Veena SM, Raghava, Raghu, Shiva prasad Hudeda. 2019. "Synthetic gutomics: Deciphering the microbial code for futuristic diagnosis and personalized medicine". In *Methods in Microbiology,* Elsevier. 57. ISSN 0580-9517. Pp197-225

Pankaj Satapathy, Aishwarya S, Rashmi M Shetty, Akshaya Simha N, Dhanapal G, Aishwarya Shree R, Antara Biswas, Kounaina K, Anirudh G. Patil, Avinash M G, Aishwarya T Devi, Shubha Gopal, Nagendra Prasad M N, Veena S M, Hudeda S P, Muthuchelian K, Sunil S. More, Govindappa Melappa and Farhan Zameer. 2020 "Phyto-Nano-Antimicrobials: Synthesis, Character-ization, Discovery, and Advances". In *Frontires in Anti-Infective Drug Discovery, Vol. 8,1-00.* Bentham e Books. ISSN 2451-9162

Research Publication

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Hydroxy-2, 4-Dimethoxyphenyl)(Phenyl) Methanones By Friedel Craft's Acylation In The Presence Of Phosphorous Pentoxide And Methane Sulfonic Acid: Eaton's Reagent. *International Journal of Pharmaceutical, Chemical & Biological Sciences*, *5*(3).

11. Rajan, V., Schoenfelder, S. M., Ziebuhr, W., & Gopal, S. (2015). Genotyping of community-associated methicillin resistant Staphylococcus aureus (CA-MRSA) in a tertiary care centre in Mysore, South India: ST2371-SCCmec IV emerges as the major clone. *Infection, Genetics and Evolution*, *34*, 230-235.

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13. Siddegowda, G. S., Bhaskar, N., & Gopal, S. (2016). Biochemical and Bacteriological Quality of Rohu (Labeo rohita) Head Sauce Produced by Enzymatic and Fermentation Method. *Fishery Technology*, *53*(3).

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20. C Rajendran, CM Keerthana, KR Anilakumar, AS Satbige, **Shubha Gopal**. Development of B1 Nested PCR for Assessing the Prevalence of Zoonotic Protozoan Disease Agent Toxoplasma Gondii among Food Animals from Karnataka State, Southern India, ***Journal of Microbiology and Laboratory Science,*** 2018, 1: 101

21. SGS Gowda, B Narayan, **S Gopal.** Antioxidant Properties and Dominant Bacterial Community of Fermented Rohu (Labeo rohita) Sauce Produced by Enzymatic and Fermentation Method. Turk. J. Fish. & Aquat. Sci, 2020

22. Kiran Kumar Siddappaji**, Shubha Gopal**. Molecular mechanisms in Alzheimer's disease and the impact of physical exercise with advancements in therapeutic approaches. AIMS Neuroscience. 2021, 8(3): 357-389.

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Prof. N. Lakshmidevi

Research Publication

1. Jagdeepchandra, S., Lakshmidevi, N., Mruthunjaya, K., & Shivaprasad, H. (2014). Medcinal plants used in tribal and folklore medicine in rural areas of Mysore district. *International journal of Biology, Pharmacy and Allied sciences*, *3*(5), 797-836.
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9. Chandra, J. (2015). Nanjaiah Lakshmidevi S. GC-MS analysis of phytochemicals in the methanolic extract of Cyclea peltata (Lam) Hook. *F& Thomson. Int. J. Pharm. Bio Sci*, *6*, 637-642.
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Prof. M.Y. Sreenivasa

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Prof. RaviShankar Rai

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