

Name: A. Sankaranarayanan

Designation: Associate Professor

Phone: 6351400597

E-mail: Sankara.narayanan@gafcuniversity.ac.in

School: School of Science (SOS)



Research Interest:

- Microbiome; Fermented food products;

Academic Background:

| Degree | Subject | University | Year |
|--------|------------------------|-----------------------------------|------|
| Ph.D., | Environmental Sciences | Manonmaniam Sundaranar University | 2000 |
| M.Sc | Microbiology | Manonmaniam Sundaranar University | 1994 |
| B.Sc | Zoology | Madurai Kamaraj University | 1992 |

Professional Experience:

| From | Period | Position | Organisation |
|---------------------|----------|----------------------------|--|
| July'24 – Till date | - | Associate Professor | GSFC University, Fertilizer Nagar, Vadodara. Gujarat. |
| June'21 – June'24 | 3 years | Associate Professor & Head | Sri Sathya Sai University for Human Excellence Kalaburagi, Karnataka |
| August'15 – May'21 | 6 years | Assistant Professor | Uka Tarsadia University, Surat, Gujarat |
| May'02 – July'15 | 13 years | Assistant Professor & Head | K.S.R. College of Arts & Science, Tiruchengode |

Publications:

Book:

Book Publications

1. **A. Sankaranarayanan** 2025. Protocols on Detection of Gram Positive Food Borne pathogens and their Quantification of Toxins. Humana Press, Springer Nature Publications (In Press).

2. D. Dhanasekaran, **A. Sankara narayanan** 2025. Protocols on Plant Microbiome Engineering. Springer Nature Publications (In press)
3. Dharumadurai Dhanasekaran, **A. Sankara narayanan**, and Priyanka Sarkar 2025. Human and Animal Microbiome Engineering. Elsevier Publications (In Press).
4. N. Thajuddin, **A. Sankaranarayanan** and D. Dhanasekaran 2023. Protocols for Cyanobacteria sampling and detection of Cyanotoxins. Humana Press, Springer Nature Publications. (ISBN: 978-981-99-4513-9), 504 pp.
5. Mitesh Kumar Dwivedi, **A. Sankaranarayanan** and Sanjay Tiwari 2023. Anticancer Immunity: Reviewing the potential of Probiotics. Vol. 4 Bentham Publishers, Singapore. (ISBN: 978-981-5165-13-5), 320 pp.
6. Mitesh Kumar Dwivedi, **A. Sankaranarayanan** and Sanjay Tiwari 2023. Frontiers in Cancer Immunology: Probiotics and Anticancer Immunity. Vol. 3. Bentham Publishers, Singapore. (ISBN: 978-981-5124-78-1), 283 pp.
7. **Sankaranarayanan, A.**, N. Amaresan and Mitesh Dwivedi 2022. Endophytic Microbes: Isolation, Identification and Bioactive potentials. Humana Press, Springer Nature Publications. (ISBN: 978-1-0716-2827-0), 272 pp.
8. Mitesh Dwivedi, **A. Sankaranarayanan**, Helen Kemp & Yehuda Shoenfeld 2022. Role of Microorganisms in pathogenesis and Management of Auto immune diseases. Vol: II Kidney, Central Nervous System, Eye, Blood, Blood Vessels & Bowel. Springer Nature Publications, Singapore (ISBN: 9789811947995).
9. Mitesh Dwivedi, N. Amaresan **A. Sankaranarayanan** & Rasheedunnisa Begum 2022 Biosafety assessment of Probiotic potentials. Springer Nature publications. <https://doi.org/10.1007/978-1-0716-2509-5> (ISBN: 978-1-0716-2509-5)
10. Amaresan, N., **A. Sankaranarayanan**, Mitesh Kumar Dwivedi and Irina S. Druzhinina 2022. Advances in Trichoderma Biology and Applications. Springer Nature Publications, Switzerland. <https://doi.org/10.1007/978-3-030-91650-3> ; (ISBN 978-3-030-91649-7)
11. Dhanasekaran, D., and **A. Sankaranarayanan** 2021. Advances in probiotics: Microorganisms in food and health. Elsevier publications, USA. 566p. (ISBN: 978-0-12-822909-5)

12. Mitesh Kumar Dwivedi, N. Amaresan and **A. Sankaranarayanan** and Elizabeth H. Kemp 2021. Probiotics in the prevention and management of human diseases: A Scientific perspective. Elsevier publications, USA (ISBN: 9780128237335).
13. Dhanasekaran, D., Amaresan, N. **A. Sankaranarayanan**, Dhiraj Paul and Yogesh Souche 2021. Microbiome – host interactions. CRC Press, Taylor and Francis publications 436 p. (ISBN: 9780367479909). <https://doi.org/10.1201/9781003037521>
14. Senthil Kumar, M., Amaresan, N. and **A. Sankaranarayanan** 2021. Plant-Microbe interactions: Laboratory techniques, Springer publications, Humana Press, USA. 296 p (ISBN: 9781071610794)
15. **Sankaranarayanan, A. N.** Amaresan, D. Dhanasekaran 2020. **Fermented Food products.** CRC press, **Taylor & Francis**, UK. 411 p (ISBN : 978-0-367224226)
16. Amaresan, N., M. Senthil Kumar, K. Annapurna, Krishna Kumar & **A. Sankaranarayanan** 2020. Beneficial microbes in Agro- Ecology Bacteria and Fungi, **Elsevier** Publications, USA. 912 p (ISBN: 9780128172308)
17. Amaresan, N., M. Senthil Kumar, Krishna Kumar & **A. Sankaranarayanan** 2020. Microbial mitigation of stress responses in food legume plants. CRC press, **Taylor & Francis**, UK. 283 p (ISBN: 9780367460242)

Book chapters

1. Arunachalam, M., J.A. Johnson and **A. Sankaranarayanan** 2003. Fishes of Rain forest streams / rivers of India – A Research overview. 153-171 pp. In: *Envis Bulletin: Wildlife and Protected areas, Conservation of Rain forests in India*, (Eds. A.K. Guptha, Ajithkumar and V. Ramakantha) Wildlife Institute of India, Dehradun. Vol. 4 (1): 152-172 pp. (ISSN 0972-088X) 382 pp.
2. **Sankaranarayanan, A.,** N. Amaresan and Jinal H. Naik 2018. Wolbachia – an effective biocontrol agent. 215-233 pp. In: *Microbial Control of Vector-Borne Diseases*. Eds. Tyagi BK and Dhansekar D., CRC Press, **Taylor & Francis**, Florida, USA. (ISBN: 978-1-138-05581-0)
3. Amaresan N, Jinal HN and **Sankaranarayanan A.** 2018. Anti leishmanial compounds from microbial sources for the prevention of leishmaniasis. 355-371 pp. In: *Microbial Control of Vector-Borne Diseases*. Eds. Tyagi BK and Dhansekar D., CRC Press, **Taylor & Francis**, Florida, USA. (ISBN: 978-1-138-05581-0)

4. **Sankaranarayanan, A.** and N. Amaresan 2019. Diversity of Global fermented food products – An overview. 3-24 pp In: Fermented food products. Eds. **Sankaranarayanan, A.**, N. Amaresan, D. Dhanasekaran, CRC Press | **Taylor & Francis** Group, Florida, USA. (ISBN : 978-0-367224226)
5. **Sankaranarayanan, A.** and N. Amaresan 2019. *Pythium sp.* 777-787 In: Beneficial microbes in Agro- Ecology Bacteria and Fungi. In: Eds. Amaresan, N., M. Senthil Kumar, K. Annapurna, Krishna Kumar & **A. Sankaranarayanan Elsevier** Publications, USA. (ISBN: 9780128172308)
6. Hardik Naik Jinal, Natarajan Amaresan and **Sankaranarayanan, A.** 2019. *Methylobacterium* 509-516 In: Beneficial microbes in Agro- Ecology Bacteria and Fungi. In: Eds. Amaresan, N., M. Senthil Kumar, K. Annapurna, Krishna Kumar & **A. Sankaranarayanan Elsevier** Publications, USA. (ISBN: 9780128172308).
7. **Sankaranarayanan, A.**, N. Amaresan and Abhishek Sharma 2020. Effects of pesticides and heavy metals on growth and yield of food legume plants. In: Microbial mitigation stress response of food legume plants Eds. Amaresan, N., M. Senthil Kumar, Krishna Kumar & **A. Sankaranarayanan.** CRC Press, Taylor and Francis Group, Florida, USA (ISBN: 9780367460242)
8. **Sankaranarayanan, A.**, N. Amaresan, Abhishek Sharma and Ashraf Y.Z. Khalifa 2020. Mycotoxins associated food safety concerns of agricultural crops, prevention and control. 357-374 pp In: Fungi Bio-prospects in sustainable agriculture, Environment and Nano-technology. Vol: 1 Fungal diversity and sustainable agriculture. Eds. Maulin P. Shah, Vijay K. Sharma, Shobika Pharmar and Ajay Kumar, **Elsevier** Publications, USA. (ISBN: 9780128213940)
9. Savitha, T., **Sankaranarayanan, A.**, and Ashraf Y.Z. Khalifa 2021. An Insight of Microbiome Science. 1-9. In: Microbiome-Host interactions Eds D. Dhanasekaran, Dhiraj Paul, N. Amaresan, Sankaranarayanan, A., and Yogesh Souchi. (ISBN: 9780367479909), CRC Press, Taylor and Francis publications, Florida, USA.
10. **Sankaranarayanan, A.**, Ashraf Y.Z. Khalifa, N. Amaresan and Abhishek Sharma 2021. Soil Microbiome to maximize the benefits to crop plants – a special reference to rhizosphere microbiome. 125-140 In: Microbiome stimulants for crops: Mechanisms and applications. Eds. James White, Ajay Kumar and Samir Droby, Woodhead Publishing (Elsevier publications) Company, Oxford, U.K. 485 pp.
11. Savitha, T., **Sankaranarayanan, A.**, 2021. Role of Probiotic Microbes exerting nutritional properties. In: Dhanasekaran, D., and **A. Sankaranarayanan** 2021. Advances in probiotics: Microorganisms in food and health. Elsevier publications, USA. 566p. (ISBN: 978-0-12-822909-5)
12. Savitha, T., Ashraf Y Khalifa, and **Sankaranarayanan** 2022. Isolation of Actinobacteria from Compost samples 39-43 pp. In: Methods in Actinobacteria. (Ed.

D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

13. Veerapaghu, M. K.R. Jeya and **Sankaranarayanan** 2022. Isolation of Actinobacteria from hills 89-95 pp. In: Methods in Actinobacteria. (Ed. Dr. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

14. Veerapaghu, M. K.R. Jeya and **Sankaranarayanan** 2022. Isolation of Actinobacteria from desert soils 109-111pp. In: Methods in Actinobacteria. (Ed. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

15. Ashraf Y Khalifa, Savitha, T., and **Sankaranarayanan** 2022. Isolation of Plant pathogenic Actinobacteria In: Methods in Actinobacteria. (Ed. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

16. Savitha, T., **Sankaranarayanan, A.** 2022. Screening, characterization, identification of antibacterial compounds from Actinobacteria. 371-377pp In: Methods in Actinobacteria. (Ed. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

17. Savitha, T., **Sankaranarayanan, A.** 2022. Isolation of Actinobacteria from Marine and sediment samples. 1-5pp In: Methods in Actinobacteria. (Ed. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

18. Savitha, T., **Sankaranarayanan, A.** 2022. Isolation of Actinobacteria from Estuaries 19-21 pp In: Methods in Actinobacteria. (Ed. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (Accepted; In press) (ISBN: 978-1-0716-1727-4).

19. Ashraf Y.Z. Khalifa and **Sankaranarayanan, A.** 2022. Isolation of Actinobacteria from Desert soil. In: Methods in Actinobacteria. (Ed. D. Dhanasekaran) Springer Series Protocol, Humana press, Springer publications, USA (ISBN: 978-1-0716-1727-4).

20. Mahendran, G., Savitha, T., Ashraf Y Khalifa, Abhishek Sharma and **Sankaranarayanan** 2022. Evaluation of environment by microbial sensors 407-424pp. In: Bioprospecting of Microbial diversity (Eds. Pradeep Verma and Maulin P. Shah), Elsevier Publications, USA. <https://doi.org/10.1016/B978-0-323-90958-7.00010-8>. (ISBN: 9780323909587)

21. Savitha, T., Ashraf Y Khalifa, and **Sankaranarayanan** 2022. Biofilm interceded microbial prospecting of Bioremediation. In: Bioprospecting of Microbial diversity (Eds. Pradeep Verma and Maulin P. Shah), Elsevier Publications, USA. <https://doi.org/10.1016/B978-0-323-90958-7.00010-8>. (ISBN: 9780323909587)

22. Ashraf Y Khalifa, T. Savitha, and **Sankaranarayanan, A.**, 2022 .Plant as a Bioreactor for Edible Vaccines – Emerging Excellence. 215-244pp. In: The Future Metabolic Engineering. (Eds. Abhishek Sharma, Dhruvi S. Amin), Nova Publications, USA. ISBN: 978-1-68507-464-7 (e book)
23. Natarajan Amaresan, **A. Sankaranarayanan** and Dhruvi Amin 2022. Abscisic acid. 257-261. In: Practical Handbook of Agricultural Microbiology. Natarajan Amaresan, Pritesh Patel, Dhruvi Amin. Humana Press, Springer Nature Publications, <https://doi.org/10.1007/978-1-0716-1724-3>
24. Deepa, M., T. Poongodi Vijayakumar, **A. Sankaranarayanan** and Adnan A Bekhit 2022. Innovative practices in the development of yogurt with special concern over texture and flavor. 133-144pp. In: Advances in Dairy Microbial Products (Eds. Joginder Singh & Ashish Vyas), Wood Head Publishing, Elsevier, USA ISBN: 978-0-323-85793-2 (Print) ISBN: 978-0-323-90932-7 (online).
25. Urjita Sheth, **A. Sankaranarayanan** and Ramalingam Srinivasan 2022. Recent advancements in the production of probiotic fermented beverages. 247-270pp. In: Advances in Dairy Microbial Products (Eds. Joginder Singh & Ashish Vyas), Wood Head Publishing, Elsevier, USA ISBN: 978-0-323-85793-2 (Print) ISBN: 978-0-323-90932-7 (online)
26. Ananthakumar Bhanuprakash, R. Ramya and **A. Sankaranarayanan** (2022). Transcriptome analysis of Symbiotic microbes 787-802 pp. In: Microbial symbionts: Functions and Molecular interactions on Host. Dhanasekaran Dharumadurai (Ed.) Academic Press, Elsevier Publications, USA 922 pp. ISBN:978-0-323-99334-0.
27. Shanthagoud Biradar, R. Ramya and **A. Sankaranarayanan** (2022). Mycobionts interactions in Lichen (215-233 pp). In: Microbial symbionts: Functions and Molecular interactions on Host. Dhanasekaran Dharumadurai (Ed.) Academic Press, Elsevier Publications, USA 922 pp. ISBN:978-0-323-99334-0.
28. Veerapagu, M., Ashraf Khalifa, K.R. Jeya and **A. Sankaranarayanan** (2022). Frankia from Actinorhizal plants (57-74 pp). In: Microbial symbionts: Functions and Molecular interactions on Host. Dhanasekaran Dhaumadurai (Ed.) Academic Press, Elsevier Publications, USA 922 pp. ISBN:978-0-323-99334-0.
29. Jeya, K.R., M. Veerapagu, Ashraf Khalifa and **A. Sankaranarayanan** (2022). Symbiotic microbes from Pig gut (457-477pp). In: Microbial symbionts: Functions and Molecular interactions on Host. Dhanasekaran Dharumadurai (Ed.) Academic Press, Elsevier Publications, USA 922 pp. ISBN:978-0-323-99334-0.
30. Vyoma Mistry, Siddhi Darji, **A. Sankaranarayanan** and Abhishek Sharma (2022). Bio-prospection of Endophytes and Yield Improvement strategies for the production of High-Value Metabolites. 165-186 pp. In: Endophytes: Types, potential uses and Mechanism (s) of Action. (Ed. Pragya Tiwari) Nova Scientific Publishers Inc. USA (ISBN: 979-8-88697-045-6).

31. Veerapagu, M., K.R. Jeya, Ashraf Khalifa and **A. Sankaranarayanan** 2022. Determination of Antibiotic Resistance. 71-84 pp. In: Biosafety Assessment of Probiotic potential. (Eds.) Mitesh Kumar Dwivedi, Natarajan Amaresan, A. Sankaranarayanan, Rasheedunnisa Begum. Humana Press, Springer Nature Publications, USA (ISSN 2662-950X); <https://doi.org/10.1007/978-1-0716-2509-5>
32. K.R. Jeya, Ashraf Khalifa, M. Veerapagu and **A. Sankaranarayanan** 2022. Determination of Antibiotic Resistance Gene transfer. 85-94pp. In: Biosafety Assessment of Probiotic potential. (Eds.) Mitesh Kumar Dwivedi, Natarajan Amaresan, A. Sankaranarayanan, Rasheedunnisa Begum. Humana Press, Springer Nature Publications, USA (ISSN 2662-950X); <https://doi.org/10.1007/978-1-0716-2509-5>
33. K.R. Jeya, Ashraf Khalifa, M. Veerapagu and **A. Sankaranarayanan** 2022. Assessment of Mutagenicity.185-199 pp. In: Biosafety Assessment of Probiotic potential. (Eds.) Mitesh Kumar Dwivedi, Natarajan Amaresan, A. Sankaranarayanan, Rasheedunnisa Begum. Humana Press, Springer Nature Publications, USA (ISSN 2662-950X); <https://doi.org/10.1007/978-1-0716-2509-5>
34. K.R. Jeya, Ashraf Khalifa, M. Veerapagu and **A. Sankaranarayanan** 2022. Assessment of Induction and Destruction of Thrombi.201-210 pp. In: Biosafety Assessment of Probiotic potential. (Eds.) Mitesh Kumar Dwivedi, Natarajan Amaresan, A. Sankaranarayanan, Rasheedunnisa Begum. Humana Press, Springer Nature Publications, USA (ISSN 2662-950X); <https://doi.org/10.1007/978-1-0716-2509-5>.
35. Rajeshwari Somasundaran, Vimala Guttha and **Sankaranarayanan, A.,** 2023. Production, cost analysis and marketing of Lactic acid. 79-91pp In: Vol. 2. Industrial Microbiology based enetreprenurship: Making money from microbes, Ed. D. Dhanasekaran, N. Amaresan, Olubukola Oluranti Babalola Springer Nature Publications, USA.(ISBN978-981-19-6664-4) <https://doi.org/10.1007/978-981-19-6664-4>
36. Ranjith Thandapani, Mahesh Prabu Elangovan, Ramalakshmi Subbarayulu, Ashraf Y.Z. Khalifa, Ragul Paramasivam, **Sankaranarayanan, A.,** Sathiamoorthi Thangavelu and Vijayalakshmi Selvakumar 2023. Small, large scale production, and cost benefit analysis and marketing of agar from *Gelidium*. 127-145pp. In: Vol. 2. Industrial Microbiology based enetreprenurship: Making money from microbes, Ed. D. Dhanasekaran, N. Amaresan, Olubukola Oluranti Babalola Springer Natfure Publications, USA. (ISBN 978-981-19-6664-4) <https://doi.org/10.1007/978-981-19-6664-4>
37. Reshmadevi Ramesh, Vijayalakshmi Selvakumar, Karnan Muthusamy, Thenmozhi Manivel, **Sankaranarayanan, A.,** Preethi Gopalsamy, Leelavathi Lakshmanan 2023. Production, cost analysis and marketing of Fermented food – Cheese 189-213pp. In: Vol. 2. Industrial Microbiology based enetreprenurship: Making money from microbes, Eds.N. Amaresan, D. Dhanasekaran and Olubukola Oluranti Babalola Springer Nature Publications, Singapore. (ISBN 978-981-19-6664-4) <https://doi.org/10.1007/978-981-19-5041-4>

38. Vimala Guttha, Rajeswari Somasundaram and **A. Sankaranarayanan** 2023. Large Scale production and cost benefit analysis of Mushroom spawn.15-33pp. In: Vol. 3. Food Microbiology based entrepreneurship: Making money from microbes. Eds: N. Amaresan, D. Dhanasekaran and Olubukola Oluranti Babalola Springer Nature Publications, Singapore. <https://doi.org/10.1007/978-981-19-5041-4>
39. Savitha, T., and **Sankaranarayanan, A.**, 2023. Ameliorative characteristics of plant growth-enhancing microbes to revamp plant growth in an intricate environment. 117-135 pp. In: Plant-Microbe Interaction - Recent Advances in Molecular and Biochemical Approaches: Agricultural aspects of microbiome leading to plant defence (Volume 2) (Ed. Mukesh Meena, Prashant Swapnil, S. Vijayalakshmi), Elsevier Publications, USA. DOI:10.1016/B978-0-323-91876-3.00006-3.
40. Savitha, T., Abhishek Sharma, Ashraf Y Khalifa, and **Sankaranarayanan** 2023. Microbial strategies for improvement the food crop productivity under salinity and drought. 113-129 pp. In: Bio-Inoculants for food, fodder, fuel and fibre from degraded land. (Eds. Umesh Pankaj, Vimal Chandra Pandey), CRC Press, Taylor and Francis Publications, USA (ISBN: 9780367702243) 291 pp. DOI: 10.1201/9781003147077-5.
41. Veerapagu M., K.R. Jaya and **A. Sankaranarayanan** 2023. Role of Plant growth-promoting microorganisms in phytoremediation efficiency. 45-61. In: Plant-Microbe Interaction – Recent Advances in Molecular and Biochemical approaches. Volume 1: Overview of Biochemical and Physiological Alteration during Plant-Microbe Interaction (Eds. Prashant Swapnil, Mukesh Meena, Harish, Avinash Marwal, Selvakumar Vijayalakshmi, Andleep Zehra) Elsevier Publications, ISBN: 9780323918756. /DOI:10.1016/B978-0-323-91875-6.00020-7.
42. Shanth Kumar Sushma, Shivaraju Amrutha and **Alwarappan Sankaranarayanan** 2023. Probiotics based Anticancer Immunity in Head and Neck cancer. 262-274. In: Frontiers in Cancer Immunology - Probiotics in Anticancer Immunity (Vol. 3) (Eds. Mitesh Kumar Dwivedi, Alwarappan Sankaranarayanan and Sanjay Tiwari), Bentham Publishers UK 283 pp. ISBN: 9789815124781.

Research Publications (International)

1. Saravanakumar Kandasamy and **Sankaranarayanan, A.** Mubarak Ali Jooeun Lee, Gopika Thiripuranathar and Myeong Hyeon Wang 2024. Unravelling the impact of nutritional food on the gut microbiome and metabolic disease – A review. International Journal of Food Microbiology (Communicated; I review was over with major revisions;). (**Impact Factor 5.4**) (**Elsevier**)
2. Saravanakumar Kandasamy, Sanali De Silva, Sugavaneshwaran Sivasanthosh, Anbazhagan Sathiyaseelan Archana Ganeshalingam, Monica Jamla, **Alwarappan Sankaranarayanan**, Veeraghavan Vishnu Priya, Davoodbasha Mubarak Ali Jooeun Lee, Gopika Thiripuranathar and Myeong Hyeon Wang 2022. Impact of Industrial effluent on the environment and human health and their remediation using MOFs based hybrid membrane filtration techniques. *Chemosphere* 307(2022) 135593. <https://doi.org/10.1016/j.chemosphere.2022.135593> (**Impact Factor 8.9**) (**Elsevier**)

3. Saravanakumar Kandasamy, Sugavaneshwaran Sivasanthosh, Anbazhagan Sathiyaseelan **Alwarappan Sankaranarayanan**, Kumar Vishven Naveen, Xin Zhang, Monica Jamla, Sampathkumar Vijayasathy, Veeraghavan Vishnu Priya, Davoodbasha Mubarak Ali and Myeong Hyeon Wang. 2022. Impact of Benzo[a]pyrene with other pollutants induce the molecular alteration in the biological system: existence, detection and remediation methods. *Environmental Pollution (Elsevier)* 34(1): <https://doi.org/10.1016/j.envpol.2022.119207> (**Impact Factor 9.98**)
4. Abhishek Sharma, Tiwari Pragya, Rajesh, A., and **A. Sankaranarayanan** 2022. Madagascar Periwinkle alkaloids: Biosynthesis, ethnobotanical attributes and Pharmacological functions. *South African Journal of Botany (Elsevier)* 151: 108-115. (**Impact Factor 3.1**)
5. **Sankaranarayanan, A.**, Muhammed Musthafa Poyil, Ponmurugan Karuppiah and Abubucker Peer Mohideen 2021. Effect of Physico-chemical parameters on the population diversity of harmful Micro-algae during post monsoon season along the Malabar Coast. *Journal of Pure and Applied Microbiology* 15(4): 2382-2393. (**Impact Factor 0.8**)
8. Sharad R. Patil, Nilam C. Patel, **A. Sankaranarayanan**, Sandip P. Patil, Pushparaj L. Rajput, and N. Sekar 2021. Halogen free [HNMP] CH₃SO₃- Ionic liquid mediated Bifunctionalized Napthoquinone-Dihydropyrimidin-(1H)-one hybrids and evaluation of its Antimicrobial potential. *J. Adv. Sci. Res.* 12(4): 272-279.
9. **Sankaranarayanan, A.**, S. Karthikeyan, Anoop Markhande and Abhishek Sharma 2021. Remazol reactive dye degrading Bacteria from freshwater fish of River Cauvery, Pallipalayam of Namakkal District, south India. *Environ Syst. Res. (Springer)* doi.org/10.1186/s40068-021-00233-5
10. Abhishek Sharma, Dhruvi Amin, **A. Sankaranarayanan**, Rajesh Arora and Ajay Mathur 2020. Present status of *Catharanthus roseus* monoterpene indole alkaloids engineering in homo and heterologous systems. *Biotechnology letters, (Springer)* 42(1): 11-23. DOI: 10.1007/s10529-019-02757-4 ISSN: 0141-5492 E-ISSN: 1573-6776. (**Impact Factor 2.7**)
11. **Sankaranarayanan, A.**, Mangukiya Dishaben Parsottambhai, K.M. Prabusankarlal and Ankit Adesara 2020. Filtration and removal of artificially contaminated food borne pathogens using dielectrophoresis. *Materials Today: Proceedings (Elsevier)* <https://doi.org/10.1016/j.matpr2019.07.604> ISSN: 2214-7853. 26 (4) : 3564-3568
12. Jeya, K.R., M. Veerapagu, **A. Sankaranarayanan** and R. Sathiyapriya 2018. Isolation and screening of Kerosene oil degrading bacteria from contaminated soil of motor workshop. *International Journal of Pharmacy and Biological Sciences* 8(2) 683-688. (ISSN: 2321-3272 (Print), ISSN: 2230-7605 (Online)

13. **Sankaranarayanan, A.**, G. Munivel, G. Karunakaran, Shine Kadaikunnan, Naiyf S. Alharbi, Jamal M Khaled and Denis Kuznetsov. 2016. Green synthesis of silver nanoparticle using *Arachis hypogaea* (Ground nut) root extract for antibacterial and clinical applications. *J. Clust. Sci.*, 28 (3): 995 - 1008. (**Springer**) (ISSN 1040-7278 (print) ; 1572-8862 (e version) [10.1007/s10876-016-1084-x](https://doi.org/10.1007/s10876-016-1084-x) (**Impact Factor 2.8**))
14. Veerapagu, M., Jeya, K.R., and **Sankaranarayanan, A.** 2016. Screening and production of lipase producing bacteria from vegetable oil industry. *International Journal of Scientific Research Science, Engineering and Technology* 2(6): 726-732. (ISSN 2394-4099)
15. Veerapagu, M., Jeya, K.R., and **Sankaranarayanan, A.** 2016. Screening and Production of Fungal Amylase from *Aspergillus* sp. *Journal of Global Biosciences* 5(8) 4443-4450. (ISSN 2320-1355)
16. **Sankaranarayanan, A.**, Lal, P.S., and Raja, M. 2016. Impact of different frequencies in the entrapment of bacterial pathogens from drinking water using Dielectrophoretic phenomena. *Journal of water chemistry and technology* (**Springer**) 38 (2) 117 - 122 (ISSN 1063-455X (print) ; 1934-936X (e version) [10.3103/S1063455X16020107](https://doi.org/10.3103/S1063455X16020107))
17. Mohammed Musthafa, Alwarappan **Sankaranarayanan**, Karuppiah Ponmurugan and Suresh SS Raja 2015. Bioactive peptides from *Loligo duvauceli* (Indian marine squid) orbigny against multi drug resistant clinical pathogens. *South Indian Journal of Biological Sciences* 2015 (1) 24-29. (ISSN 2454-8510)
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2. Jayanthi Chenniappan, **Sankaranarayanan, A.**, and S. Arjunan 2020. Evaluation of antimicrobial activity of *Cissus quadrangularis* L. stem extracts against avian pathogens and determination of its Bioactive constituents using GC-MS. *Journal of Scientific Research*. DOI: [10.37398/JSR.2020.640113](https://doi.org/10.37398/JSR.2020.640113) ISSN: 0447-9483 64(1): 90-96.

3. Jayanthi, C., **Sankaranarayanan, A.**, and B. Puvarajan 2020. *In vitro* evaluation of quantitative phyto constituents in *Moringa oleifera* Lam. and assessments of its antimicrobial activity against avian pathogen. ISSN: 0019-6479. *Indian Vet. J.*, 97(1): 44-48.

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6. Jayanthi, C., **Sankaranarayanan, A.**, S. Balasubramanian and B. Puvarajan 2015. Polymerase Chain reaction based detection of *Aspergillus fumigatus* in layer chicken. *Indian Vet. J.*, 92 (11) 11-13. (Indian Veterinary assoc). (ISSN 0019-6479 (print) ; 0974-9365 (e version))

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8. Arunachalam, M., J.A. Johnson, A. Manimekalan, **A. Sankaranarayanan**, R. Soranam, P. Sivakumar and M. Muralidharan 2005. Extension range of *Puntius arulius arulius* (Jerdon) in various streams in Thungabhadra river basin. *J. Bombay Nat. Hist. Soc.* 102(3): 341-344. (ISSN 0006-6982 (print) 2454-1095 e version)

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15. Arunachalam, M., **A. Sankaranarayanan**, C. Vijayakumar, A. Manimekalan, R. Soranam J.A. Johnson, A. Albin and P.N. Shanthi 2001. Fishes of Ramanadhi river in Kalakkad Mundanthurai Tiger Reserve. *J. Bombay Nat. Hist. Soc.* 98(1) : 128-130. (ISSN 0006-6982 (print) 2454-1095 e version)

16. Arunachalam, M., **A. Sankaranarayanan**, A. Manimekalan J.A. Johnson & R. Soranam 2000. New records of fishes from streams/rivers in Western Ghats of Maharashtra. *J. Bombay Nat. Hist. Soc.* 97 (2): 292-295. (ISSN 0006-6982 (print) 2454-1095 e version)
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Awards/Recognitions:

- ▶ Received the “Summer Research Fellowship” sponsored by Indian Academy of Sciences, Bangalore and (April –May’05) done my project on “***In vitro* study on the effect of isolated fractions of Garlic on Neutrophil free radical generation**” under Dr. Madhu Dikshit, Head, Cardiovascular Pharmacology Unit, Central Drug Research Institute(CDRI), Lucknow, India.
- ▶ Received “Summer Research Fellowship” sponsored by Indian Academy of Sciences, Bangalore and (April –May’06) done my project on, “**Antibacterial activity of Coelomic fluid from earthworm**” under Prof. K.N. Ganeshiah, Principal Scientist, Dept. of Genetics & Plant Breeding, University of Agricultural Sciences, Bangalore.
- ▶ Received “Summer Research Fellowship” sponsored by Indian Academy of Sciences, Bangalore, at Molecular Microbiology lab, Hyderabad Central University, Hyderabad (April –

May'07) on “**Studies on Organophosphorous pesticide degrading gene in *Brevundimonas diminuta***”

► Received **Outstanding Academic Title (OAT)** award from **Taylor & Francis publications** on December, 2020 in connection with the my edited book on **Fermented food products** (ISBN : 978-0-367224226). This OAT award represents the highest caliber of Scholarly titles, overall excellence in presentation and importance relative to other literature in the field. (<https://www.routledge.com/go/taylor-francis-2020-outstanding-academic-titles#cd100722>)

► Name included in the **World Scientists and University Rankings** for the year 2023, ranking list is released by AD Scientific Index. (<https://www.adscientificindex.com/scientist.php?id=213294>)