

STAFF PROFILE

1) Name: **Dr. S. SANKARALINGAM**

2) Designation: Assistant Professor

3) Department: Botany

4) Qualifications:

Academic: M.Sc., M.Phil., B.Ed., Ph.D.

Additional:

5) Experience (in years): Teaching: 13 Research: 14

6) Area of Specialization: Microbiology, Algal Technology, Plant Microbe Interaction.

7) Contact: E-mail: biosankaralingam@yahoo.co.in

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8) Grants Received (Conference/Workshop/Seminar/any other):

Event Title	Agency	Fund Received	Date
Nil			

9) Project Completed:

Project Title	Agency	Fund Received	Duration
Screening and characterization of plant growth promoting traits of rhizobacteria isolated from mangroves”	funded by UGC	Rs-14,10,000/	2015 – 2018
Screening and characterization of bacterial cellulase from marine sediments	funded by TNSCST	Rs-20,000/	2014-2015 (Two Months)
“Antibiofilm potential of bacterial exopolysaccharite from marine symbionts”	funded by INSA	Rs-30,000/	2018-2019 (Two Months)
’ Invitro antioxidant and antibiofilm potential of bacterial exopolysaccharides from halophiles: Separation and characterization	funded by INSA	Rs-30,000/	One months



10) Project ongoing :

Project Title	Agency	Fund Received	Duration
Nil			

11) Research Guidance:

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	05	04
M. Phil.	10	-

12) Research Publications:

	International	National
Total Number of Publications	52	10

List of International Publications:

1. Lakshmidēvi Paranthaman, Parthasarathy Seethapathy, Deepu Pandita, Chellappan Gopalakrishnan, **Subbiah Sankaralingam**, Sakthivel Venkatesh, Arunkumar Malaisamy, Anu Pandita , Ryan Casini, Abed Alataway, Ahmed Z. Dewidar, Khalid F. Almutairi and Hosam O. (2023). Elansary Levering proteomic analysis of *Pseudomonas fluorescens* mediated resistance responses in tomato during pathogenicity of *Fusarium oxysporum* f. sp. *oxysporum*. **Frontiers in sustainable food system**. 7:1157575. (Impact Factor- 5.05).

2. Mythili Ravichandran· Saranya Chinnadurai, Bakthavachallam Subha· V Muthulaxmi· Saroja Ramasubbu Sivakumar, **Sankaralingam Subbiah**, R Dineshkumar (2023). Ameliorated reclamation potential of *Halimeda microloba* on sodic soil and its impact on the Vigna radiate. *Arabian Journal of Geosciences*. 16:404 <https://doi.org/10.1007/s12517-023-11509-8>. (Impact Factor- 0.405).

3. N. Renuga Devi, A. Ahamed Rasheeq, B. Antrose Preethi, Muthusamy Anand, C. Titus, Sankaralingam Subbiah, Kannan Rangesh, R. Dineshkumar & A. Arumugam (2023). Assessment of Lobster Resources in Coastal Region of Gulf of Mannar, Southeast Coast of India. ***Thalassas: An International Journal of Marine Sciences***. (Impact Factor-0.351-Springer)

4. Shunmugiah mahendran, **Subbiah Sankaralingam**, Senthurpandian Muthuramalinga, Sethupathi, Durairaj Kathiresan, Mahalingam Muthumani, Loganathan Kousalya Selvam, Palpperumal and Balasundaram Harinathan (2022). Evaluation of antioxidant and cytotoxicity of Polyphenol extracted from brown seaweed *Sargassum tenerrimum* biomass. **Biomass conversion and Biorefinary**. 33(1), 101261. (Springer nature – Impact factor: 4.05).

5. Shunmugiah Mahendran, **Subbiah Sankaralingam**, Pandiaraj Maheswari, Pandian Annalakshmi, Jeyaraj Pandiarajan, Parthasarathy Seethapathy, Balasundaram Harinathan, Selvam Palpperumal, Natarajan Yasothkumar, Sakthivel Venkatesh (2022). Isolation and purification of phycocyanin pigments from *Spirulina* sp. biomass and evaluation of its anticancer and antioxidant potential. **Biomass conversion and Biorefinary**. 10.1007/s13399-022-02765-x (**Springer nature – Impact factor: 4.05**).
6. Parthasarathy Seethapathy, **Subbiah Sankaralingam**, Deepu Pandita, Anu Pandita, Kousalya Loganathan, Shabir Hussain Wani, Diaa O. El-Ansary, Hanoor Sharma, Ryan Casini, Eman A. Mahmoud and Hosam O. Elansary (2022). Genetic Diversity Analysis based on the Virulence, Physiology and Regional Variability in Different Isolates of Powdery Mildew in Pea. **J. Fungi (8), 798 MDPI- (Impact Factor: 5.724)**.
7. Shunmugiah Mahendran, Subbiah Sankaralingam*, Selvaraj Tamilarasi, Pandiaraj Maheswari, Durairaj Kathiresan, Subramanian Sivasangari ramya, Parthasarathy Sethupathy, Loganathan Kousalya, Balasundaram Harinathan and Selvam Palpperumal (2022). Bioactive potential of invertase by yeast *Saccharomyces cerevisiae* from the honey bee gut: isolation and characterization. **Biomass conversion and Biorefinary. (Springer nature – Impact factor: 4.05)**.
8. Shunmugiah Mahendran, **Subbiah Sankaralingam**, Pandiaraj Maheswari, Ramsingh Raja Dhivya, Durairaj Kathiresan, Santhanakrishnan Karthikeyan, Subramanian Sivasangari Ramya, Parthasarathy Seethapathy, Balasundaram Harinathan, Selvam Palpperumal (2022). Production, characterization, and feed supplement applications of phytase enzyme from *Aspergillus tubingensis* isolated from Western Ghats soil. **Biomass conversion and Biorefinary. (Springer nature – Impact factor: 4.05)**.
9. Mythili Ravichandran, N. Renuga Devi, A. Ahamed Rasheeq, Anand Muthusamy, **Sankaralingam Subbiah**, B. Palani Kumar, Kannan Rangesh, B. Antrose Preethi, R. Dineshkumar, A. Arumugam (2022). Spatiotemporal dynamics of physicochemical and sediment parameters in Gulf of Mannar waters, Southeast coast of India. **Regional Studies in Marine Science**. 56 -102603 (**ELSEVIER- Impact Factor – 2.16**).
10. Geetha Paramasivam, Dhanya Manikandan, **Sankaralingam Subbiah**, Sugapriya Menaga Paulraj, Vasthi Gnana Rani, Mahendran Shunmugiah, Balasundaram Harinathan (2022). Extraction and Applications of Natural dye from the flower of *Tagetes erecta*.L in different Fabrics and Focus on Antimicrobial activity. **Research J. Pharm. and Tech**. 15(3): 1287-92. (Scopus)
11. Kousalya Loganathan, Packiaraj Sankaran, **Subbiah Sankaralingam** and Ragunath Cholairaj (2022). Synthetic Seed Production and Germplasm Conservation of *Enicostema*

axillare (Lam.) raynal sp. littoralis (Blume) raynal Using Nodal and Root Explants. **Current Applied Science and Technology**. Vol. 22 No. 6. (**Impact factor – 0.706**) (Scopus)

12. M. Suba Sri, M. Durai Murugan, P. Monisha, S. Sindhu Sivan, G. Vijay Sree, **Sankaralingam Subbiah**, Mahendran Shunmugiah, Venkatesh Sakthivel, R. Dineshkumar (2022) Development of marine algae-encapsulated seed product for sustainable agriculture production—a novel approach Harinathan Balasundaram. *Biomass conversion and Biorefinary*. (INPRESS). **Springer nature-Impact Factor-4.05**.

13. Renugadevi. N., Subha sri., Kavisri Manikannan., Meivelu Moovendhan., Aparna V., **Subbiah Sankaralingam**., Anrose preethi., Dineshkumar (2022). Development of new marine source liquid extract and their field experiments on tea (*Camellia sinensis*) cultivation. *Biomass conversion and Biorefinary*. **Springer nature-IF-4.05**

14. Thiruvengadam Shankar, **Subbiah Sankaralingam**, Chellapandian Balachandran, Arunachalam Chinnathambi, Omaira Nasifi, Sulaiman Ali (2021). Purification and characterization of carboxymethylcellulase from *Bacillus pumilus* EWBCM1 isolated from earthworm gut (*Eudrilus eugeniae*). *Journal of King Saud University and Science* 33(1), 101261. (**Elsevier- Impact factor: 4.01**).

15. Thiruvengadam Shankar, Selvam Palperumal, Durairaj Kathiresan., **Subbiah Sankaralingam**, Chellapandian Balachandran, Kathirvelu Baskar e, Abeer Hashem, Abdulaziz A. Alqarawi , Elsayed Fathi Abd_Allah (2021). Biomedical and therapeutic potential of exopolysaccharide by *Lactobacillus paracasei* isolated from sauerkraut: Screening and characterization. *Saudi Journal of Biological sciences*. 28: 2943–2950. – (**Elsevier-Impact Factor-4.2**).

16. Balasundaram harinathan, **Subbiah Sankaralingam**, Selvam Palperumal, chellapandian Balachandran, Abeer Hashem, Abdulaziz A.Alqarawi, Elsayed Fathi AbdAllah, Selvaraj Arokiyaraj, KathirveluBaskar (2021). Impact of rhizobacterium *Bacillus sonorensis* propagation of *Abelmoschus esculentus* and its antimicrobial activity. *Journal of King Saud University and Science*. 33(6)101496. (**Elsevier-Impact Factor-4.01**).

17. Maheswari , Shunmugiah Mahendran, **Subbiah Sankaralingam** and Natesan Sivakumar (2021). Bioactive potential of exopolysaccharide from marine bacteria

Halomonas titanicae. **Research Journal of Biotechnology**. Vol. 16 (6) 131. (Scopus indexed- **Impact Factor-0.79**).

18. S. Palpperumal, B. Harinathan, **S. Sankaralingam**, T. Shankar, S. Mahendran, D. Kathiresan and N. Sivakumar (2019). Antioxidant Activities of Sulfated Polysaccharide Obtained from Green Seaweed *Ulva lactuca* L. in Tuticorin Coast, Gulf of Mannar, South East Coast of India. **International Journal of Microbiological Research**. 10 (1): 16-23.

19. **S. Sankaralingam**, S. Palpperumal, B. Harinathan, D. Kathiresan, T. Shankar and S. Sundarapandian (2018). Screening and Characterization of Cellulase by *Bacillus megaterium* Isolated from Marine Sediments and its Antimicrobial Activity. **World Applied Sciences Journal**. ISSN 1818-4952, 36 (5): 646-653 (RG Journal impact – 0.14; H index - 28).

20. T. Shankar, S. Palpperumal, **S. Sankaralingam**, B. Harinathan, D. Kathiresan and B. Priyadarshini (2018). Statistical Optimization of Significant Variables for Exopolysaccharide Production by *Lactobacillus plantarum*. **International journal Microbiological Research**. ISSN: 2079-2093, 9 (3): 59-69 (UGC approved).

21. T. Shankar, B. Harinathan, S. Palpperumal, **S. Sankaralingam**, B. Jamunadevi (2018). Biodiversity of xylanase producing fungi present in the leaf litter soil of Munnar Hills, Kerala. **Research journal of Life Sciences, Bioinformatics, Pharmaceutical and chemical Sciences**. ISSN: 2454-6348, 37 (UGC approved).

22. S. Peer Mohamed, H.M. Mahilini, **S. Sankaralingam** and D. Kathiresan (2018). Pesticidal Activity of *Hyptis suaveolens* L. Seed Extract for the Control of the Rice Moth, *Corcyra cephalonica* stainton. **International Journal of Current Research and Academic Review** 6(1): 11-16 (NAAS Score-2.78).

23. **S. Sankaralingam**, B. Harinathan, S. Palpperumal, D. Kathiresan, S. Rajendran, T. Shankar, D. Prabhu and N. Sivakumar (2017). Optimization of Culture Conditions for the Production of Halophilic Protease by Newly Isolated *Bacillus sonorensis*. **American-Eurasian J. Agriculture & Environmental Science**. 17 (4): 293-299 (Indexing).

24. K Radhakrishnan, P Mohandass, S Sankaralingam, S Chandra Mohan (2017). [Synthesis and Antibacterial Activity of 5- benzylidenebarbituric acids : A structure - reactivity Study](#). **International Journal of Chem Tech Research**. 10 (7), 1019-1027

25. **S. Sankaralingam**, D. Kathiresan, B. Harinathan, S. Palpperumal, T. Shankar, B. Ramya and D. Prabhu (2016). Effect of arbuscular mycorrhizae fungi on growth and development of *Carica papaya*. *Scientific Journal of Seoul Sciences*, 4 (1): 1-7.
26. S. Palpperumal, **S. Sankaralingam**, D. Kathiresan, B. Harinathan, T. Shankar and D. Prabhu (2016) Partial Purification and Characterization of a Haloalkaline Protease from *Pseudomonas aeruginosa*. *British Microbiology Research Journal*, 15(3): 1 – 7 (Indexing).
27. **S. Sankaralingam**, B. Harinathan, S. Palpperumal, D. Kathiresan, S. Rajendran, T. Sivakumar, T. Shankar, G. Prabakaran and N. Sivakumar, (2016). Screening, Growth Characterization and Alkaline Phosphatase Potential of *Pseudomonas plegossicida* from Mangrove Soil. **British Microbiology Research Journal**. 17(6): 1-11, (ISSN: 2231-0886).
28. Radhakrishnan K, Mohandass P, **Sankaralingam, S** and Chandra Mohan S, (2016). Synthesis and Antimicrobial Activity of 2-Benzylidene-1,3 Indandiones: A Structure-Reactivity Study. **Pelagia Research Library. Der Chemica Sinica**, 7(4):1-7, ISSN : 0976-8505.
29. B. Harinathan., **S. Sankaralingam**, S. Palpperumal., D. Kathiresan, T. Shankar and D. Prabhu (2016) Effect of phosphate solubilizing bacteria on growth and development of pearl millet and ragi. *Journal of Advances in Biology and Biotechnology*, 7(3): 1 – 7.
30. V. Meenakshi Sundaram, D. Kathiresan, S. Eswaran, **S. Sankaralingam**, Boomibalakan and B. Harinathan (2016) Phosphate solubilization and phytohormones production by rhizosphere microorganisms. *Adv. Agric. Biol.* 5 (1), 5-13 (Indexing).
31. S. Sankaralingam, D. Kathiresan, B. Harinathan, **S. Palpperumal**, T. Shankar, B. Ramya and D. Prabhu, (2016). Effect of arbuscular mycorrhizae fungi on growth and development of *Carica papaya*. **Scientific Journal of Seoul Sciences**. 4 (1): 1-7, (ISSN: 2415-6795).
32. B. Harinathan, **S. Sankaralingam**, T. Shankar and D. Prabhu (2015) Efficiency of Plant Growth Promoting Rhizobacteria for the Enhancement of *Sesbania grandiflora* and *Moringa oleifera* Growth. *Advances in Biological Research* 9 (4): 230-235.
33. **S. Sankaralingam**, S. Eswaran., Boomibalakan, V. Meenakshisundaram and T. Shankar (2014) Screening and growth characterization of phosphate solubilizing bacterium *Pseudomonas aeruginosa*. *Journal of Advances in Environmental Biology*, 8(13) 673 - 680.

34. Prakash S., R.Ramasubburayan, P.Iyapparaj, **S.Sankaralingam**, A.Palavesam, G.Immanuel, (2014). Optimization and partial purification of a protease produced by selected bacterial strains grown on trash fish meal substrate and its antagonistic property against bacterial pathogens. *Biocatalysis and Agricultural Biotechnology*, Science Direct, 3(4): 288 – 295 (Impact Factor-2.14).
35. **S.Sankaralingam.**, B. Harinathan., T. Shankar., D. Prabhu and Peer Mohamed (2014). Effect of Phosphate solubilizing bacteria on growth and development of *Sesbania grandiflora* and *Moringa oleifera*. *Scientia Agriculturae*, 3 (2): 88-96 (Impact Factor-0.27).
36. **S. Sankaralingam**, P. Nithyanand, S.T. Karutha Pandiyan, Ramasamy Ramasubburayan, A. Palavesam and Grasian Immanuel (2013). Identification and growth characterization of a novel 2,4- D (dichlorophenoxyacetic acid) degrading bacterium *Maribacter* sp AMSU isolated from aquaculture effluent. *Applied ecology and environmental research*. 11(1): 137- 151. (Impact Factor 0.73).
37. D Prabhu, T Shankar, V Sathyavathe, **S Sankaralingam** (2013) Influence of Arbuscular Mycorrhizal Fungi on The Growth of Green Gram (*Vigna radiata* L.) Grown Under Water Stress Conditions. *World Applied Sciences Journal*. 25: 4. 561-567 (RG Journal impact – 0.14; H index - 28).
38. T. Shankar, T. Sivakumar, G. Asha., **S. Sankaralingam**, and V.Meenakshi Sundaram (2013). Effect of PSB on growth and development of chilli and maize plants. *World Applied Science Journal*. 26 (5): 610-617 (RG Journal impact – 0.14).
39. R. Satheeskumar. R, D. Prabhu, T. Shankar, **S. Sankaralingam**, K. T. K. Anandapandian and S. Mahendran (2013) Partial purification and characterization of alkalophilic protease from *Pseudomonas aeruginosa*. *Journal of Microbiology, Biotechnology and Food Sciences*. 3 (2) 163-167 (Impact Factor – 0.388).
40. D. Prabhu, **S. Sankaralingam**, V. Sathyavathe and T. Shankar (2013). Effect of *Glomus* sp and *Gigaspora* sp. On *Vigna radiata* (L.) Under Water Stress Condition *American-Eurasian J. Agric. & Environ. Sci.*, 13 (7): 935-942, 2013.
41. P. Revathi, P. Iyapparaj, L. Arockia Vasanthi, **S. Sankaralingam**, R. Ramasubburayan, S. Prakash and M. Krishnan (2013). Impact of eyestalk ablation on the androgenic gland activity in the freshwater prawn *Macrobrachium rosenbergii* (De Man). *World Journal of Fish and Marine Sciences*, 5 (4): 373-381 (Indexing).

42. **S. Sankaralingam**, T. Shankar, R. Ramasubburayan., S. Prakash and C.Kumar (2012) Optimization of culture conditions for the production of Amylase from *Bacillus licheniformis* on submerged fermentation. *American – Eurasian J. Agric and environmental science*, 12 (11): 1507 -1513.
43. **S. Sankaralingam**, T. Shankar, K. Sendeshkannan, R. Ramasubburayan and S. Prakash (2012) Production of Protease from *Pseudomonas* sp. by Immobilization Approach on Different Matrices. *European Journal of Applied Sciences*4 (4): 146-156 (Indexing).
44. **Suppiah Sankaralingam**, K.Sendesh kannan., P.Prabaharan., P.Rajkumar and G.Yasodkumar (2012) Purification and Characterization of alkaline protease from *Lysinibacillus fusiformis*, *J. Biochemical Technology*, 4(1): 561-564. (**Impact Factor-1.327**).
45. **S. Sankaralingam** T. Kuberan and M. S. Reddy (2012). Production of protease from *Bacillus licheniformis* AP.MSU7 isolated from the gut of shrimp. *J. Biosci. Res.* Vol. 3(3):136-141.
46. **Sankaralingam. S.**, R. Ramasubburayan., Chellappa Muthukumar and A. Palavesam (2011). Optimization of culture conditions for the productions of an extracellular protease from *Shigella* sp. *Journal of Advances in Bioresearch*. 2(1): 92-102.
47. Sathees kumar.R., D.Prabhu., **S.Sankaralingam**, T.Shankar and K.T.K.Anandha Pandiyan (2011). Optimization of Alkalophilic protease production from *Pseudomonas aeruginosa* from the gut of *Panaeus monodon*. *World Journal of Fish and Marine sciences*. 3(5): 371 – 375 (Indexing).
48. Esakkiraj P, **Sankaralingam S.**, Usha R., Palavesam A. and Immanuel G. (2011) Solid state production of protease using anchovy meal by *Serratia proteomaculans* AP-CMST isolated from the gut of estuarine fish *Etroplus suratensis* for aquafeed purpose. *Annals of Microbiology*. 61:749–755 (**Impact Factor – 3.3**).
49. Esakkiraj P, Georgina Sandoval., **Sankaralingam S.**,Palavesam A. and Immanuel G. (2010).Preliminary optimization of solid state phytase production of by moderately halophilic *Pseudomonas* sp AP-MSU2 isolated from fish intestine. *Annals of Microbiology*. 60:461–468 (**Impact Factor – 3.3**)
50. Mahendran.S. **S.Sankaralingam**, T.Shankar and P. Vijayabaskar (2010). Alkalophilic protease enzyme production from estuarine *Bacillus aquimaris*. *World Journal of Fish and Marine sciences*. 2 (5):436 – 443 (Indexing).

51. Kuberan.T., S. **S.Sankaralingam**, and V. Thirumaliarasu (2010). Isolation and Optimization of protease producing bacteria from halophilic soil. *Journal of Biosciences Research*. Vol. 1(3):163-174.
52. Iyyapparaj P., G. Immanuel., R. Ramasubburayan., P. Essakkiraj, **S.Sankaralingam**., M. Navin Chandran and A. Palavesam (2010). Effect of ultraviolet irradiation of pigment profile of seaweed *Gracillaria edulis* and *Hypnea musiformis*. *Biosciences and Biotechnology Research Asia*.7(1): 199-207 (Impact Factor. 0.34).

List of National Publications:

1. N.Yasodkumar and **S.Sankaralingam** (2021) Antimicrobial activity of *Andrographis alata* (Vahl) Nees. *Journal of Drug and Therapeutics*. 11 (3):41-42.
2. Geetha Paramasivam, Sugapriya Menaga Paulraj, pandiaraj Maheswari., **Sankaralingam Subbiah**, (2021). Phytochemical screening and thin layer chromatography of medicinal plants *Azima tetraacantha. L.* *International journal of Botany studies*.6 (5): 489-492.
3. Maheswari P, Kumar K. Arjun, **Sankaralingam S.**, Sivakumar N. (2020). Optimization and Characterization of Exopolysaccharide from Marine Soil Bacteria. *Research Journal of Pharmacy and Technology*.13, (6) 2540 -2544 - Scopus indexed.
4. P. Maheswari , S. Sankaralingam and N. Sivakumar (2019). Characterization and Antimicrobial activity of exopolysaccharide isolated from marine bacteria. *Journal of Emerging Technologies and Innovative Research*. 6 (6).
5. Geetha Paramasivam, **Sankaralingam Subbiah**, Sugapriya Menaga Paulraj, Sivasankara Narayani Somasundaram, Jeyaraj Pandiarajan (2018). Fabrication and Portrayal of Multifaceted Tasks of Biogenic Silver Nanoparticles obtained from *Azima tetraacantha. L.* *Research J. Pharm. and Tech*. 11(12): 5497-5506.
6. P.Geetha, K.Revathy, P.Sugapriya Menaga, **S. Sankaralingam** and J.Pandiarajan (2017). Antimicrobial, antioxidant and anticancer activity of silver nanoparticles synthesized from *Boerhaavia diffusa* linn. *European Journal of Pharmaceutical and Medical Research*, 4(11), 323-331 (Indexing; SJIF-6.22
7. **S. Sankaralingam**, S. Palpperumal, N. Sivakumar, D. Kathiresan, B. Harinathan, T. Shankar and D. Prabhu (2017). Antifungal Activity of Mangrove Rhizobacterium

Pseudomonas aeruginosa against Certain Phytopathogenic Fungi and its Growth Characterization. *American Journal of Current Microbiology*, 5 (1): 1-10.

8. Harinathan B., **S.Sankaralingam.**, D. Prabhu and T. Shankar (2014) Screening and Characterization of Phosphate Solubilizing bacterium *Enterobacter cancerogenus* isolated from rhizosphere soil of local weed plants. *International Journal of Advanced Scientific and Technical research*. (4): 1.

9. **S. Sankaralingam.**, V. Meenakshisundaram., M. Chandrasekar., T. Shankar., D.Prabu,and N.YasodKumar (2014) Solid state fermentation of protease production by newly isolated *Bacillus flexus*. *International Journal of Advanced Scientific and Technical Research*. (4): 1.

10. T. Shankar., D. Prabhu., **S. Sankaralingam.**, V.Kaleeswari., B. Harinathan and V. Meenaksi Sundaram. (2013). Production of haloalkaline protease by *Pseudomonas aeruginosa* isolated from the elephant dung sample of Shenbagathoppu hills. *International Journal of Biological and Pharmaceutical Research*. 4 (12) 1229-1233 (Indexing).

13) Chapters in Books:

1. Harinathan.B., S.Papperumal., Kathiresan.D., **Sankaralingam.S.**, (2020). Impact of *Bacillus* and *Pseudomonas* sp. on Growth and Development of Pearl Millet and Ragi. Current Strategies in Biotechnology and Bioresource Technology Vol. 2 (pp.18-28).

2. S.Karthikeyan., V.Meenakshisundaram. S.Papperumal., Kathiresan.D., **Sankaralingam.S.**, and Harinathan.B., (2020). Purification and Characterization of Cellulase from *Aspergillus niger* | Chapter 11 | Recent Progress in Microbiology and Biotechnology Vol. 3

3. S. Palpperumal, B. Harinathan, **S. Sankaralingam*** and S. Mahendran (2021). Study on Bioactive Potential of Sulfated Polysaccharide from Green Alga *Ulva lactuca* L. in Tuticorin from Southeast Coast of India. Chapter 4. Recent Progress in Microbiology and Biotechnology Vol. 3. Print ISBN: 978-93-91473-04-4, eBook ISBN: 978-93-91473-47-1.

4. Parthasarathy S, **Sankaralingam S**, Iniyakumar M, Muralisankar P, and Naveenkumar (2022). Mass multiplication, economic analysis and marketing of *Ganoderma* sp. (reishi mushroom). Food microbiology based entrepreneurship/ Making money from microbes (**Springer**).

5. Parthasarathy Seethapathy, **Subbiah Sankaralingam** and Harinathan Balasundaram (2022). Bioconversion and Biotransformation Efficiencies of Wild Macrofungi. In: Parveen Gehlot & Joginder Singh (eds) *Biomolecules of Fungi: Nutraceutical, Pharmaceutical, Industrial and Environmental Protection*. p. 239-25.
6. Parthasarathy Seethapathy, Praveen Thangaraj, Anu Pandita, **Subbiah Sankaralingam**, Deepu Pandita (2023). God's Mushroom (*Agaricus subrufescens*), In: *Mushrooms Nutraceuticals and Functional Foods* (Eds) Deepu Pandita, Anu Pandita. <https://doi.org/10.1201/9781003322238>
7. Parthasarathy Seethapathy, Praveen Thangaraj, Anu Pandita, **Subbiah Sankaralingam**, Deepu Pandita (2023). Oyster Mushroom (*Pleurotus ostreatus*), In: *Mushrooms Nutraceuticals and Functional Foods* (Eds) Deepu Pandita, Anu Pandita. <https://doi.org/10.1201/9781003322238>
8. Parthasarathy Seethapathy, Anu Pandita, Deepu Pandita, **Subbiah Sankaralingam**, Harinathan Balasundaram, Kousalya Loganathan (2023). Cordyceps (***Ophiocordyceps sinensis***), In: *Mushrooms Nutraceuticals and Functional Foods* (Eds) Deepu Pandita, Anu Pandita. <https://doi.org/10.1201/9781003322238>

14) Other Publications (Proceedings):

1. **S. Sankaralingam**, S.Palpperumal, B. Harinathan, D. Kathiresan and T. Shankar(2016) Optimization and characterization of exopolysaccharide produced by *Lactobacillus plantarum* isolated from curd. Proceedings of Global conference on Life Science and Biological Engineering (**GLSBE – 2016**) during March 29th to 31st at **Kyoto, JAPAN**. (Abroad Visit – Funded by CICS, Chennai & UGC, New Delhi.
2. B. Harinathan, **S.Sankaralingam**, S. Palpperumal, D.Kathiresan, T. Shankarand D. Prabhu (2016) Effect of phosphate solubilizing bacterial strains isolated from *Calotropis gigantea* and *Cyanodon dactylon* and their effect on growth and development of millets. Proceedings of Global conference on Life Science and Biological Engineering (**GLSBE – 2016**), during March 29th to 31st at **Kyoto, JAPAN**.
3. D. Kathiresan., S.Palpperumal., **S. Sankaralingam.**, B.Harinathan and K. Muthuchelian (2016). **Influence on the growth of tree legume *Erythrina variegata*L. using stress tolerant *Rhizobium* sp.** Proceedings of Global conference on Life Science and Biological Engineering (**GLSBE – 2016**) during March 29th to 31st at **Kyoto, JAPAN**.

4. G. Immanuel., **S. Sankaralingam**, P. Iyapparaj and A. Palavesam. (2009). Optimization and immobilization of protease production by 16s rRNA typed *Serratia proteomaculans* AP-CMST1 isolated from the estuarine fish *Etroplus suratensis* at **Malaysian Conferences on Trends in bioprocess technology** (Mico Tribe-2009).

5. **S. Sankaralingam**, R.Ramasubburayan and A. Palavesam. Optimization of culture conditions for the production of extracellular alkaline protease from *Vibrio mimicus* at **International Conferences on Environment, Energy and Biotechnology** (ICFEB - 2012) during 5th and 6th May 2012 at Kuala Lumpur.

6. **S. Sankaralingam**, P. Esakkiraj, and A. Palavesam participated and presented a research paper entitled “Studies on distribution of proteolytic, amylolytic and lipolytic bacteria in an estuarine environment of south west coast of India” at **International Conference on Biodiversity Conservation and Management** held at Central Marine Fisheries Research Institute during 3 – 6th February 2008.

7. Palpperumal .S, Ganapathy sundaram .M, **Sankaralingam .S**, Shankar .T, Sivakumar .N, Vigneeswaran .M and Kannan .M (2019). Optimization of cultural conditions for bacterial extracellular polymeric substances production by *Lactobacillus* sp. isolated from curd. Proceedings of **state level seminar on Innovations in Microbial Diagnostics** in Department of Microbiology, Kamaraj College, Thoothukudi, ISBN: 978-93-867-12-90-5.

15) **Books Published: Nill**

16) Presentation in Seminar / Conference:

International:

1. Presented a research paper entitled “Studies on distribution of proteolytic, amylolytic and lipolytic bacteria in an estuarine environment of south west coast of India” at **International Conference on Biodiversity Conservation and Management** held at Central Marine Fisheries Research Institute (**CMFRI**) during 3 – 6th February 2008

2. Presented a research paper entitled on “**Effect on VAM on growth and development of *Carica papaya***” International conference on converging biotechnological innovations for health, food, environmental welfare (ICCBI – 2015) held at Department of Biotechnology, School of Biotechnology and Health Sciences, Karunya University, Coimbatore on December 2nd to 4th 2015.

3. Presented a research paper entitled on “**Screening of multipotent enzyme production from mangroves rhizobacteria**” International Conferences on Recends Trends in Biological Research – 2015 held at Department of Microbiology, ANJA college, Sivakasi

on 22nd December 2015.

4. Presented a research paper entitled on “**Production and purification of exopolysaccharide produced by *Lactobacillus plantarum***” International Conferences on Environmental Sustainability for Food Security held at Sree Ayyappa College for Women, Chunkankadai, Kanyakumari District, South India on 22nd - 24th September 2016.

5. Presented a research paper entitled on “**Influence of arbuscular mycorrhizal fungi on physiological and biochemical parameters of chilli plant under stress conditions**” International Symposium on Bioscience Research For Present and Future 7th - 8th March 2017.

National:

6. Presented a research paper entitled “Protease production by proteolytic microbes isolated from the gastrointestinal tract of shrimp *Peneaus monodon* at National Seminar on Perspectives of biological sciences by Biogenic institute of biotechnology on 24th and 25 August 2007 at Namakal.

7. Presented a research paper entitled “Characterization of fish gastro intestinal chitinolytic bacteria and chitinase production” at **National Seminar on Current trends in environment and biosafety** held at Dept. of Zoology, Annamalai University during 8 – 9th March 2008.

8. Presented a research paper entitled “Characterization of cellulolytic bacteria isolated from the gastrointestinal tract of shrimp *Peneaus monodon* at **National Seminar on Bioprospecting of microbes for potential applications** held at Centre for Marine Science and Technology (CMST), M. S. University on October 24th 2008.

9. Presented a research paper entitled “Optimization and Characterization of protease from proteolytic bacterium isolated from the gastrointestinal tract of estuarine fish *Etroplus suratensis* at **National Seminar on Recent Trends in Microbiology, Genetics and Biotechnology Research** held at Ayya Nadar Janaki Ammal college of Arts and Science, Sivakasi on February 18th to 19th 2010.

10. Presented a research paper entitled “Purification and Characterization of protease from proteolytic bacterium isolated from the gastrointestinal tract of estuarine fish *Etroplus suratensis* at **National Symposium on Emerging Trends in Lifesciences** held at Government Sherfoji college of Arts and Science, Thanjavur on March 17th to 19th 2010.

11. Presented a research paper entitled “Purification and Characterization of Alkaline protease from *Lysinibacillus fusiformis*” **National Seminar on Bioknowledge for Better Environment** held at Syed Hameedha Arts and Science college, Kilakarai on February 28th to 29th 2012.

17) Participation in Conference: **Nil**

18) Participation in Seminar:

1. Participated in state level seminar on project proposal preparation technique conducted by The SFR college for women sponsored by TANSICHE (2015).

19) Participation in Workshop:

1. National Workshop on **Genome informatics** by Department of Bioinformatics, at Alagappa University during 05th to 07th January 2009.
2. National Workshop on **Genomics and Proteomics** by Department of Bioinformatics, at Alagappa University during 12th to 14th February 2019.
3. National Workshop on **Antidiabetic Medicinal Herbs Screening and Assessment** held at Department of Biochemistry and Biotechnology, Annamalai University during 27th and 28th March 2009.

20) Participation in Orientation Programme/ Induction Programme/ Short term Courses:

1. Orientation programme for NSS programme officers conducted by Avinashilingam Institute for home science and higher education for women, Coimbatore during 5th to 11th August 2014.
2. Training programme on counselling and psychological services for college teachers conducted by The American College, Madurai during 11th to 16th November, 2014.
3. Orientation programme for college teachers conducted by Madras University during May 14th to June 10th 2015.
4. Refresher course in Biology on the theme Recent developments in Biology from 02.11.2016 to 22.11.2016.
5. Refresher course in Biology on the theme Recent trends in Life science and Biotechnology from 16.11.2018 to 06.12.2018.

21) Participation in Faculty Development Programme: **Nil**

22) Conference/ Seminar/ Workshop Organized: **Nil**

23) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop:

1. Delivered a lecture on “Phosphate Solubilizing bacteria from mangroves” in Sarah Trucker College, Tirunelveli on February 17th 2017.
2. Delivered a lecture on “Conservation of mangrove ecosystem” in EVR College, Tiruchy on March 5th 2019.

3. Delivered a lecture on “Biotechnological applications of Bacterial exopolysaccharides” in Yadava College, Madurai on September 9th 2019.
4. Delivered a lecture on “Bioactive potential of sulfated polysaccharides in marine algae with special reference to Covid -19” in ANJA College, Sivakasi on June 3rd 2021.
5. Delivered a lecture on “Biopotential of marine algae” Nirmala College for women, Coimbatore on September 20th 2021.
6. Delivered a lecture on “PGPR traits from mangrove rhizobacteria” VHNSN College, Virudunagar on December 29th 2021.
7. Delivered a lecture on “Bioactive potential of Marine microbial exopolysaccharide” Dept. of Animal Sciences, M.S.University, Tirunelveli on December 31th 2021.

24) Other Co-curricular / Administrative Responsibilities: Deputy Warder

25) Member in Board of Studies: Department of Microbiology, Yadava College, Mdu. 14.

- 26) Editorial/ Review Board Member:
1. Nature scientific report
 2. 3. Biotech
 3. Biomass conversion and Biorefinary

27) Membership in Professional Bodies:

1. Name of association - Scientific and Technical Research Association (STRA)

Membership ID: STRA-M19569

Membership Category: Life Time (Eurasia Research)

2. As a Senior Member of HKCBEES - Hong Kong Chemical, Biological & Environmental Engineering Society, Hong Kong. Member NO.: 101755

3. Membership ID: HBSRA-M19324, Membership Category: Life Time, Name of Association: Healthcare and Biological Sciences Research Association (HBSRA) (Eurasia Research).

4. Member Number: 2665, IAENG – Life time member, (International Association for the Engineers and the computer scientist)

5. Membership ID: TERA-M11052, Membership Category: Life Time, Name of Association: Teaching and Education Research Association (TERA), (Eurasia Research).

28) Awards received:

- Young Scientist Award from TNSCST
- Best Assistant Professor Award from Pearl Foundation in 2016
- Young Scientist Award from Pearl Foundation in 2017
- Young Scientist Award from IOSRD Foundation in 2018.
- Visiting scientist Award by Indian National Science Academy

29) Consultancy: Nil

30) Patents: Nil

31) Any other information:

* Note : Please provide the total Numbers and details for each metrics