



Dr.S.R.Sivakumar
Assistant Professor -Stage III

Contact

Address : Department of Botany
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Employee Number : BDU1761059

Date of Birth : 03-11-1976

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Academic Qualifications: MSc.,M.Phil.,Ph.D.,

SSLC.,-Arasunagar Vivekananda Matriculation School, Ariyalur.April-1992 (57.36%) –IInd Class

HSc.,-Arasunagar Vivekananda Matriculation HSc School, Ariyalur.April-1994(65%) –Ist Class

BSc.,. Government Arts College, Ariyalur, April-1997(61.95%)- Ist Class

MSc, A.V.V.M.S.P.College,Poondi, Thanjavur-April1999 (69.93%) - Ist Class

M.Phil., A.V.V.M.S.P.College, Poondi, Thanjavur-April-2002(80.20%)- Ist Class with Distinction

Ph.D.,Government Arts College, Ariyalur, March-2010-Commended

Teaching Experience:18 Years

Guest Lecturer - Government Arts College, **Ariyalur from15/07/20002 to 25/01/2008.**

Guest Lecturer - Periyar University College of Arts and Science, **Harur, Dharmapuri, from 14/09/2011 to 26/12/2012.**

Assistant Professor-Department of Botany, Bharathidasan University, Thiruchirappalli-24 from 26/12/2012

to till Date.

Research Experience:9

Ph.D Research from **2003** to March **2010**.

Senior Research Fellow in the **Department of Marine Bio-Technology**, Bio-fuel from Micro Algal- CSIR Project, **National Institute of Ocean Technology, Desalination Plant, Kavaratti, UT of Lakshadweep** from **24-1-2011** to **14-9-2011**.(Macro algae Survey).

Areas of Research

Marine Macro Algal Bio-Metabolites

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	5	4
	M.Phil.	4	1
Project	PG	100	-
	UG / Others	-	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
45	20	-	20	5 Books 4 Chapters

Cumulative Impact Factor (as per JCR) : -
h-index : 09
i10 index : 09
Total Citations : 446

Funded Research Projects

Completed Projects

S.		Period		Budget
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No	Agency	From	To	Project Title	(Rs. In lakhs)
1	-	-	-	-	-

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	RUSA 2.0	April 2021	2023	Anti- Tuberculosis compound from Macro Algae Ref. No.:2-29/BDU/RUSA/TRP dt. 22-04-2021	6.18-

Consultancy Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	NIL	NIL	NIL	NIL	NIL

Others

Note: Budget must be rounded to two decimal places

Patents

Distinctive Achievements / Awards

MSc.,Gold Medalist (1999-A.V.V.M.S.P.College, Poondi, Thanjavur)

M.Phil., (2002) Bharathidasan University 1st Rank - A.V.V.M.S.P.College,Poondi,Thanjavur)

Patent Ongoing : Marine Macro algae as Domestic Hen Feed)

Design No.:457085-001:**Dated:**29/04/2025

Device for Isolation and Estimation of Medicinal Plants Extract.1.Sreekanth Thota,2.Prof(Dr.)Ahanmuga Sundram.R,3.Dr.Neha Goyal,4.**Dr.S.R.Sivakumar**,5.Saurabh Mishra,6.Dr.Sumeet Kachara,7.Er.Rajiv Bansai,8.Dr.Dodd Sirsha,9.Dr.Prachi Parvatikar and 10.Shripad S.Potadar

Design No.:427299-001:**Dated:**17/08/2024

IOT-Based Medical Device for Microbial Infectons. 1.Dr.Ayyappan, 2.Dr.G.Jahirhussain, 3.Dr.AsmahAwal,4.Ms.D.KaruniyaRajaVielia,5.Dr.Ahamed Sherif, 6.**Dr.S.R.Sivakumar**, 7.Dr.Sarasa,8.Dr.Bharathy Venkatesan, 9..Dr.M.Ayyappan 10.R.Annadurai, 11.Vnkaiahppalaniswamy.B

and 12.Dr.A.S.Arunachalam

Best Teacher Award (ESN Award-September 28th 2019, Chennai, India. Best Research

Excellence Award-16th March, 2024.National Conference EOCMAA & MBCSUM Award-

2024.Prospers Foundation \$A.H.M.Trust.National Science Day Celebrations 2024 –

Outstanding Extension Services Achiever Award 2024-Life Sciences-Botany.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: NIL

Training Programs/ Conferences / Seminars / Workshops: 51

- ✓ **Dr.S.R.Sivakumar**, Assistant Professor, Department of Botany, Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the **Skill Development Training Programme on “Basics of High Resolution Imaging Techniques and their Application to Science & Technology”** Conducted jointly by CSIR=Central Electrochemical Research Institute, Karaikudi and Rural Training Centre, Amaravathipudur, Karaikudi during **May 19-23.2025** at **CSIR-CERI, Karaikudi**.
- ✓ **Dr.S.R.Sivakumar**, Assistant Professor, Department of Botany, Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the XXXIII UGC-Sponsored **Refresher Course in Environmental Sciences (ID) conducted by the UGC-Human Resource Development Centre, University of Kerala, Kariavattom, Trivandrum** from **15.10.2023** to **28.10.2023** and obtained the **grade -A**.
- ✓ **Dr.S.R.Sivakumar**, Assistant Professor, Department of Botany, Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the UGC-Sponsored Short-Term Course in Curriculum Design and Outcome Based Education **conducted by the UGC-Human Resource Development Centre, University of Kerala, Kariavattom, Trivandrum** from **07.08.2024** to **13.08.2024**.
- ✓ **Dr.S.R.Sivakumar**, Assistant Professor, Department of Botany, Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the UGC-Sponsored **Refresher Course in Life Science (ID) conducted by the UGC-Human Resource Development Centre, University of Kerala, Kariavattom, Trivandrum** from **04.10.2023** to **17.10.2023** and obtained the **grade -A**.
- ✓ **Dr.S.R.Sivakumar**, Department of Botany, Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the Academies **‘Refresher Course on “Plant Taxonomy”** Department of Botany, The Gandhigram Rural Institute (Deemed to be

University) **12-12-2018 to 26-12-2018** and obtained the **grade -A**.

- ✓ Dr.S.R.Sivakumar, Assistant Professor, Department of, Botany Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the **Refresher Course in Life Science(ID)** from **18.07.2014 to 07.08.2014** and obtained the **grade -A**.
- ✓ Dr.S.R.Sivakumar, Assistant Professor, Department of Plant Science, Bharathidasan University, Tiruchirappalli-620024 affiliated to Bharathidasan University had Participated in the **79th Orientation Programme** from **04.07.2013 to 31.07.2013** and obtained the **grade -A**.
- ✓ **Dr.S.R.Sivakumar**, has successfully completed four days workshop and hands on Training in **Sophisticated Analytical Instruments: SCXRD, SEM-EDX, AAS and GC-MS(WHTSAI)** organized by the Centre for Instrumentation and Maintenance Facility(CIMF), Periyar University, Salem- 636011 held on **20-23 February, 2023**.
- ✓ **Dr.S.R.Sivakumar** Participated in the **DBT-Sponsored National Workshop** on **“Hands on Training on Fish Cell Culture Techniques: Development and Applications** held at the **Aquatic Animal Health Laboratory, NABL Accredited (ISO17025:2017) PG & Research Department of Zoology, C.Abdul Hakeem College(Autonomous), Hakeem Nagar, Melvisharam-632509, Ranipet District, Tamilnadu, India** from **9th April, 2022 to 14th April, 2022**.
- ✓ **Dr.S.R.Sivakumar** Participated in the **National Workshop** on **“Bio-Molecules Separation Technique”** organized by the Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli from **07th March to 11th March, 2022**.
- ✓ **Dr.S.R.Sivakumar** has successfully completed training course on **“Seaweed Cultivation and Processing technology”** organized by CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar at CSMCRI-Marine Algal Research Station, **Mandapam Camp, Ramashwaram, Ramanathapuram District, TamilNadu** from **7th December, 2022 to 9th December, 2022** under **“CSIR-Integrated Skill Initiative Program”**, a National Program on skill development initiated by the Council of Scientific & Industrial research.
- ✓ Dr.S.R.Sivakumar. Participated in the **“Periyar school of Crystallography(PSC-2020)”** in Association with Bruker India Scientific Pvt.Ltd held at Centre for Instrumentation and Maintenance Facility(CIMF), Periyar University, Salem-636011 from **February 21-25, 2020**.
- ✓ **Dr.S.R.Sivakumar**, Participated in **Hands on Training Programme** on **“Live Feed Culture for Marine Hatchery Operation”** Rajiv Gandhi Centre for Aquaculture at Sirkali. **21-5-2019 to 25-5-2019**.
- ✓ **Dr.S.R.Sivakumar**, has participated and served as **Co-Chair** in a session in the International Conference on **“Future Perspectives of Bioresources and Nanosciences(FPBN-2023)”** held on **February 16th & 17th, 2023** at Department of Botany, Periyar University, Salem, TamilNadu, India.
- ✓ Dr.S.R.Sivakumar. Participated in the **Workshop on Crop Genome Editing Using CRISPR/Cas9** during September **5th to 9th, 2017** .organised by T.A.L Samy Unit of Plant Tissue Culture and Molecular Biology, Department of Plant Biology and Biotechnology, **Loyola College(Autonomous), Chennai-600034**.

Academic Bodies (such as Board of Studies etc.,)

1. MSc., Botany and MSc., Life Science(5 Year Integrated Course)Bharathidasan University, Thiruchirappalli-24
2. MSc., Botany. Kundhavai Nachiyar College for Women. Thanjavur
3. BSc.,Botany.Bon Secours College for Women(Autonomous),Accredited with A++ Grade by NAAC in the Second Cycle,Affiliated to Bharathidasan University, Tiruchirappalli. Recognized by UGC under 2(f) and 12(B) Vilar Bypass, Thanjavur - 613 006, Tamilnadu
4. MSc., Botany Distance Education ,Bharathidasan University,Thiruchirappalli-24

Book Publications:

1. **MOLECULAR BIOLOGY** (ISBN-978-93-5001-114-0) Mercury Printers and Publishers,**Permbalur**.
2. **TAXONOMYOFFLOWERING PLANTS** (ISBN.978-93-5001-177-5) Mercury Printers and Publishers,**Permbalur**.
3. **VeetuVaithiyam (Tamil Version) Part-I** (ISBN-.978-93-5001-591-9) Mercury Printers and Publishers,**Permbalur**-July- 2019.
4. **Bioactive Silver Nano Particles** - (ISBN- 978-613-3-99687-8) **Interntional-Lambart** Academic Publishing.2019.
5. **Collection of Marine macro algae Patents-Vol-I,II &II**-(ISBN-978-93-95-323178) Mercury Printers and Publishers- September-2020- **Permbalur**.
6. **A Text Book of Medicinal Chemistry-I** (ISBN-) Dr.PR.Vijay Annd,Mr.Ponnilavarasan Ilankovan,Dr.Sreekanth Thot ,Dr.Ranjit Vinayak, **Dr.S.R. Sivakumar**

Book Chapters:

1. Lawsonia innermis(Henna) leaves extract against human and fish pathogens. **S.R.Sivakumar** and **Syed Ali Fathima**.
2. Crude extract of Cladopora vagabunda (Linn) hock. And Halimeda opuntia (Linn). J.V.Lam. against Dandruff causing bacteria Staphylococcus aureus. **S.R.Sivakumar** and **K.Manikandan**

3. Crude extraction of brown algae *Sargassum wightii* Greville Ex.J.Agardh for antibacterial activity against human and fish pathogens. **S.R.Sivakumar** and **S.Pradeepa**
4. Invitro activity of Seaweed extracts collected from Gulf of Mannar Coas. Islands,Tamilnadu on Clinical isolates.**S.R.Sivkumar** and **A.Vignesh**

1 - 4 Chapters Published in Advances in Science and Technology,2021. Volume -1, Chief Editor- Dr.P.F.Steffi Bipin.Publisher:Rayan Publishers, B-3. Lakshmi Pride,80 Fet Road,10th Cross West, Thillainagar, Trichy-620018.ISBN:978-81-952337-6-2.

5.CHAPTER IV.Elucidating the Function of Novel Genes in Plant Development.**S.R. Sivakumar.**

6. CHAPTER VI. Development of Novel Therapeutics for Infectious Diseases.Oliver Paul Madhale,**S.R. Sivakumar**,Dr.S. Rajkumar

7.CHAPTER VII. Analyzing the Effects of Environmental Toxins on Human Health.**S.R. Sivakumar**

CHAPTER IV, CHAPTER VI and CHAPTER VII:

TITLE OF THE BOOK: Advances in Biosciences: Emerging Trends and Innovations. Editor(s):Dr. B. Suresh.Dr. P. Baby shakila,Dr. S. Raj Kumar,Dr. K. Rajaganesh. **PUBLISHED BY:** STANZALEAF PUBLICATION.**PUBLISHED ON:** 03-05-2025: **PAGES:** 75: **PRICE:** 299.**ISBN:** 978-81-986254-1-0

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 4

Others

1. Articles published in Newspapers / Magazines : NIL
2. Products developed : NIL
3. No. of PhD Thesis evaluated : NIL
4. No. of PhD Public Viva Voce Examination conducted : NIL
5. Sequences submitted in GenBank.NIL

Publications: 45

1. Synthesis of Silver nanoparticles using bioactive seaweeds against poultry pathogens. **S.R.Sivakumar.** *Vegetos* (2025). <https://doi.org/10.1007/s42535-025-01396-7>.

2. Design, Synthesis and Evaluation of Antimicrobial Potential of Dihydroimidazo Indole Complexes. M.S. Vijayalakshmi, Patibandla Jahnvi, SG Raman, 2025.**S. R. Sivakumar**, Shraddha Patel, Deshraj Shyamkant Chumbhale, Manish R. Bhise, Praveen Sekar. Journal of Neonatal Surgery ISSN(Online):2226-0439Vol. 14, Issue 19s. (Scopus).
3. Influence of Algal Biomass Chemical Composition on Hydrothermal Liquefaction Efficiency and Its Implications for A549 Cell Line Cytotoxicity.2025.T. Ajith, · Mythili Ravichandran, · Salim Manoharadas · Jameel Al-Tamimi, · Sonaimuthu Mohandoss, R. & **S. R. Sivakumar**. Waste and Biomass Valorization <https://doi.org/10.1007/s12649-025-03072-y>. (Impact Factor– 3.2).
4. Economical probing of *Chaetomorpha aerea* seaweed biostimulant and harnessing its growth sustainability potential on *Arachis hypogaea* L.. 2025. **S.R. Sivakumar**, S.R., Ravichandran, M. & Dineshkumar, R. *Biomass Conv. Bioref.* <https://doi.org/10.1007/s13399-024-05574-6>. (Impact Factor– 4.0).
5. Isolation and characterization of l-asparaginase from seaweeds collected from Rameswaram coast, Southeast India.2024.**S.R.Sivakumar**, Aravinth. A, ,Manikandan,,R and ,Sarbudeen, M.Vegetos.Vol.37,1121-1130. DOI : 10.1007/s42535-023-00648-8.
6. Antibacterial Activity of Some Selected Marine Macro-algae from Rameswaram Coastal Region, India.2023.Nandhini Selvaraj, Mishel Francis, Pavithra Senthilkumar, Aravinth Annamalai, **Saroja Ramasubbu Sivakumar**. UTTAR PRADESH JOURNAL OF ZOOLOGY, Volume-44, Issue-24, Pages 343-362, Publisher MB International Media and Publishing House. (Scopus).
7. A critical review on pharmacological properties of marine macroalgae. 2022K. R. Priyanka, R. Rajaram and **S. R. Sivakumar** ,Biomass Conversion and Biorefinery .(Impact Factor– 4.05)
8. Effect of Clithroa aurivilli on Paclitaxel – induced Peripheral Neuropathy in Experimental Animals.2022.Varnita Karmakar, Firdous Sayeed Mohammad, Saleh S. Baesa, Athanasios Alexiou, **S. R. Sivakumar** & Ghulam Md Ashraf, Molecular Neurobiology, (Impact Factor-5.57).
9. Green synthesis and characterization of CuO nanoparticles using Halymenia dilatata extract and its evaluation of antimicrobial,anticancer activity.2022.**Saroja Ramasubbu Sivakumar**, Kumar Manimaran, Mani Govindasamy, Fatimah Mohammed Alzahrani and Norah Salem Alsaieri.Vol.:(0123456789)1:Biomass Conversion and Biorefinery.<https://doi.org/10.1007/s13399-022-03678-5>.). (Impact Factor– 4.0).
10. Ameliorated reclamation potential of Halimeda microloba on sodic soil and its impact on the Vigna radiate.2023.Mythili Ravichandran , Saranya Chinnadurai, Bakthavachallam Subha, V.Muthulaxmi, **Saroja Ramasubbu Sivakumar**,Sankaralingam Subbiah,R Dineshkuma. Arabian Journal of Geosciences,16:404.
11. Stress-inducible expression of chalcone isomerase2 gene improves accumulation of flavonoids

and imparts enhanced abiotic stress tolerance to rice. **2021** Karikalan Jayaraman, Venkat Raman K. Amitha Mithra Sevanthi,, **Sivakumar S.R.**, Gayatri ,, Viswanathan C,, Trilochan Mohapatra and Pranab Kumar Mandal. Environmental and Experimental Botany 190.104582. (Impact Factor– 5.7).

12. R.Krishnamoorthi and **S.R.Sivakumar**.2019.HPTLC fingerprinting a novel approach for critical determination of seaweed extracted crude protein an *Ulva lactuca L.* Infokara Research.8 (12).893-906.
13. R.Krishnamoorthi and S.R.Sivakumar 2020.ANTI BACTERIAL, ANTI OXIDANT POTENTIAL AND GC/MS APPROACH OF MARINE GREEN ALGAE ULVA LACTUCA L. PURIFIED PROTEIN., J AdvSci Res, 2020; 11 (1): 173-179
14. R.Krishnamoorthi and **S.R.Sivakumar**.2020.Antibacterial,Antioxidant potential and GC/MS approach of Marine green algae *Ulva lactuca L.*purified protein. Journal of Advanced Scientific Reserch.vol.11.issue1.p 173=179.
15. E, R. Prasad and **S.R Sivakumar**.2020. Zinc oxide nanoparticles (ZnO-NPs) via green approach for enhanced antimicrobial activity against food-borne pathogen (F-BP) bacteria. Parishodh Journal. Volume IX, Issue II. 562-576.
16. E, R. Prasad and **S.R Sivakumar**.2020. Green synthesis of silver nanoparticles using seaweeds for potential use in pathogenic bacteria control.Parishodh Journal. Volume IX, Issue II:379-398.
17. E, R. Prasad and **S.R Sivakumar**.2020.The distribution of native plants by Pteropus giganteus.Parishodh Journal. Volume IX, Issue II: 55-65.
18. Mohan,R. KirubakaranJ,A. Parray,R. Sivakumar,E. Muruges and M. Govarthan. 2019.Ligand-based pharmacophore filtering, atom based 3D-QSAR, virtual screening and ADME studies for the discovery of potential ck2 inhibitors. 9. Journal of Molecular Structure.1205:127670. Pages: 1-16.ISSN: 0022-2860. (Impact Factor– 3.8).
19. R.Krishnamoorthi and **S.R.Sivakumar**.2020.ANTI BACTERIAL, ANTI OXIDANT POTENTIAL AND GC/MS APPROACH OF MARINE GREEN ALGAE ULVA LACTUCA L. PURIFIED PROTEIN. J AdvSci Res, 2020; 11 (1): 173-179.
20. R. Velmurugan and **S R. Sivakumar**. 2020. Assessment of genetic diversity of Stevia rebaudiana Bertoni by DNA fingerprinting International Journal of Botany Studies.ISSN: 2455-541X; Impact Factor: RJIF 5.12.
21. R.Krishnamoorthi and **S.R.Sivakumar**.2019.HPTLC FINGERPRINTING A NOVEL APPROACH FOR CRITICAL DETERMINATION OF SEAWEED EXTRACTED CRUDE PROTEIN AN ULVA LACTUCA L. INFOKARA RESEARCH. Volume 8 Issue 12:893-906.
22. R.Krishnamoorthi R and **S R. Sivakumar**.2019. Antifungal activity of seaweed *Ulva lactuca L.* extracted crude protein against pathogenic fungi.Asian Journal of Pharmaceutical and Clinical Research.ISSN. 0974-2441

23. R. Velmurugan and **S R. Sivakumar**. 2018. Effect of L - Glutamine on in vitro callus induction and embryogenic potential of *Stevia rebaudianabert*. L.ISSN. 2249-6858
24. P.Thirunavukarasu and **S R Sivakumar** 2018. Water Quality Based Physico-Chemical Characteristics In The Man Made Mangroves Region of Vellar Estuary. International Journal of Scientific Research and Reviews. ISSN.2279–0543.
25. P. Thirunavukarasu and **S.R.Sivakumar**. 2020. Vegetation Structure Analysis of Man-Made Mangroves along Vellar Estuary. INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH, VOL 9, ISSUE 1:
26. V.J. Dessy and **S.R. Sivakumar**. Clonal propagation of *Curcuma aeruginosa* Roxb.: A versatile medicinal plant. 2019. Medicinal Plants, Vol. 11 (1), March 2019, 67-72.
27. V.J.Dessy and **S R.Sivakumar**. 2018. In Vitro Antioxidant and Antiproliferative Activity Of *Curcuma aeruginosa* Super Critical Co2 Extract In Human Hela Cell Line. International Journal of Research and Analytical Reviews. ISSN. 2348 –1269.
28. Dessy V J and **S.R. SIVAKUMAR**. 2019. THROMBOLYTIC ACTIVITY AND ANTIMICROBIAL PROPERTIES OF SCF EXTRACT OF CURCUMA AERUGINOSA Roxb. Journal of Emerging Technologies and Innovative Research (JETIR). vol.6(2): 166-176
29. **S.R Sivakumar**, R Krishnamoorthi and K Malathi. 2018. Silver nanoparticle synthesized from *Chaetomorph aaerea* Kutz, enhancement for seed germination in *Solanum lycopersicum* L. crop. The Pharma Innovation Journal. ISSN.2277- 7695
30. **S.R.Sivakumar**, A. Tamizhazhagan and K. Abdul. 2017. SYNTHESIS, CHARACTERIZATION AND ANTI-BACTERIAL ACTIVITY OF SILVER NANOPARTICLES FROM LEAF EXTRACT OF PHYLLANTHUS URINARIA. L. European Journal of Biomedical and Pharmaceutical Sciences. Volume 4, Issue 8, 544-553.
31. **S.R.SivaKumar**, R. Anitha and T. Sheela. 2017. BIOSYNTHESES AND CHARACTERIZATION OF SILVER NANOPARTICLES FROM LEAF EXTRACT OF
32. INDIGOFERA HIRSUTA. L. AND ITS ANTIMICROBIAL ACTIVITY. World Journal of Pharmaceutical and Life Sciences. vol. 3(7):246-255
33. **S. R. Sivakumar**, M. Poonkothai and T. K. Prakash. 2017. GREEN SYNTHESIS OF SILVER NANOPARTICLES USING PLANT LEAF EXTRACT OF PERSICARIA MACULOSA L. AND ITS ANTIBACTERIAL ACTIVITY. European Journal of Biomedical AND Pharmaceutical Sciences. Volume-4(9):589-598.
34. **S.R. Sivakumar**, V. Sridhar and K. Abdul, 2017. ANTIOXIDANT, ANTIMICROBIAL AND SEWAGE TREATMENT OF SYNTHESISED SILVER NANOPARTICLES FROM LEAF EXTRACT OF HYGROPHILA AURICULATA (SCHUMSCH) HEINE. Indo American Journal of Pharmaceutical Sciences. Vol.4(8):2350-2361

35. **S. R. Sivakumar**, Bonaventure Mujiyambere, and G Dharmaraj.2017. BIOSYNTHESIS, CHARACTERIZATION AND INVITRO ANTIBACTERIAL ACTIVITY OF SILVER NANOPARTICLES FROM SEaweeds AGAINST SELECTED POULTRY PATHOGENS.Indo American Journal of Pharmaceutical Research, Volume-7(4):8295-8308.
36. **S. R. Sivakumar**, S. Sudha and P. Nithiya.2017. BIO- SYHTHESIS OF SILVER NANOPARTICLES FROM LOBOPHORA VARIEGATE.L. AND INVITRO ANTIMICROBIAL ASSAY. Indo American Journal of Pharmaceutical Research, Volume-7(3):7812-7821.
37. **S. R.Sivakumar** , C.Sasikala And T.Sheela.2018. Bio- Synthesis Of Silver Nanoparticles From Leaf Extracts Of *Martyniaannua*L. And Its Antimicrobial Activity. International Journal of Pharmaceutical Science Invention. ISSN.2319– 6718
38. **S .R. Sivakumar** andA.Nagaraj.2018. Effect of Nitrobenzene granules and Seaweed extracts on biochemical contents of *Arachis hypogaea* callus culture. International Journal of Environmental & Agriculture Research.ISSN. 2454-1850
39. **S.R. Sivakumar** and A. Azhivaendhan.2018.A Review on Algal Plasmid DNA. Journal of Advances in Biology &Biotechnology.ISSN. 2394-1081
40. **S.R.Sivakumar** , S.Radhakrishnan and K.Kulangiappar.2018. Isolation of N- Methyl Formamide from Red Algae *Portieriahornemannii* (Lyngbye) P.Silva Active against Two Plant Pathogenic Bacteria. International Journal of Medicinal Plants and Natural Products. Volume 3, Issue 1, 2017, PP 1-10. DOI: <http://dx.doi.org/10.20431/2454-7999.0301001>.
41. S.R.Sivakumar and A.Vignesh.2014. In vitro Activity of Seaweed Extracts Collected from Gulf of Mannar Coast Islands, Tamilnadu on Clinical Isolates. International Journal of Pharmaceutical & Biological Archives 2014; 5(3): 99- 103.
42. KulanthaiyesuArunkumar and **SadaiyappaRamasubbu Sivakumar**.2012. Seasonal influence on bioactivity of seaweeds against plant pathogenic bacteria *Xanthomonasaxonopodispv.citri*(Hasse) Vauterin et al. African Journal of Microbiology Research Vol. 6(20),pp. 4324-4331.
43. K.Arunkumar,**S.R.Sivakumar** and N.Shanthi.2012.Antibacterial Potential of Gulf of Mannar Seaweeds Extracts Against Two Plant Pathogenic Bacteria *Xanthomonasaxonopodispv.citri*(Hasse) Vauterin et al .and *Xanthomonascampestrispv.malvacearum* (Smith1901)Dye 1978b.IJAPBC–Vol. 2(1), Jan-Mar, 2013ISSN: 2277–4688.
44. **Eluvakkal,T.,S.R.Sivakumar** and K.Arunkumar.2010.Fucoidanin some Indian brown Seaweeds found along the Coast Gulf of Mannar.Int. J. Bot., 6: 176-181.
45. **S.R.Sivakumar**and K.Arunkumar.2009. Sodium, Potassium and Sulphate Composition In

Some Seaweeds occurring along the Coast of Gulf of Mannar, India. Asian Journal of Plant Sciences. 8(7):500-504.

Contact:

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Assistant Professor-Stage III

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