

CURRICULUM VITAE

DR. M. SYED ALI



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Ramanathapuram (dist)
Tamilnadu, India

EDUCATION

- PhD Alagappa University**
Course: Oceanography- Marine Biotechnology
Status: Awarded
- M.Phil Manonmaniam Sundaranar University**
Course: Marine Biotechnology
Class: First Class
- M.Sc Manonmaniam Sundaranar University**
Course: Marine Biotechnology
Class: First Class
- B.Sc Dr.Zahir Hussain College, Madurai Kamaraj University**
Course: Zoology
Class: First Class

HONORS AND AWARDS

- **Shri PK Das Memorial Best Faculty Award- Biotechnology (ALL INDIA LEVEL)-2022** by Nehru Group of Institutions, Tamilnadu, **18.12.2022**.
- **Young Scientist Award 2015-KTSTM Trust for Education and Environment, Tamilnadu**
- **Young Scientist Award Grant from European Society of Clinical Microbiology and Infectious Diseases (ESCMID), Switzerland- 2015**

AREA OF SPECIALIZATION

- **Marine Biotechnology, Infectious Disease and Marine Pharmacology**

Research Experience

Title of PhD Dissertation

Screening of various biological resources from Gulf of Mannar for the management of Dengue fever.

Title of M. Phil. Dissertation:

Screening of seaweeds and mangrove halophytes for termicidal activity against ***Glyptotermis Sps.***

Title of M.Sc., dissertation:

Effect of seaweeds and mangrove halophyte extracts on the *in vitro* and *in vivo* sperm viability in *Penaeus semisulcatus*

Dr.M.Syed Ali

**TEACHING &
RESEARCH
EXPERIENCES**

S.NO	Institute/ University	Designation	Duration		Whether UG/PG	Permanent/ Temporary/ Contract/ Consolidated
			From	To		
1	Mohamed Sathak College of Arts & Sciences	Asst.Professor & Head	16.04.2014	Till Date	UG, PG, M.Phil & PhD	Permanent
2	Mohamed Sathak College of Arts & Sciences	Assistant Professor	05.03.2012	15.04.2014	UG & PG	Permanent

**RESEARCH
EXPERIENCES**

- 17 Years

**APPROVAL OF
GUIDESHIP**

- 1. **M.Phil Guideship** from University of Madras
- 2. **Ph.D Guideship** (Part time) from Bharathiar University (BIT GU-3412)
- 3. **Ph.D Guideship** (Full time & Part time) from University of Madras (D2/Ph.D Guide Recogn/2014/1581)

**RESEARCH
Supervisor**

M.PHIL-Full time

S.No	Name of the University	Completed	On-Going
1	University of Madras	11	0

PHD –Full time and Part time

S.No	Name of the University	Ongoing	Submitted	Completed
1	University of Madras	1	-	8

Honours

- **Appointed as examiner for the conduct, evaluation and Question papers setting of Practical and Theory examination for BSC and Msc Biotechnology by**

1. Perriyar University
2. Alagappa University
3. Sathyabama University
4. SRM Institute of Science and Technology
5. Sankara College of Arts and Science
6. DG. Vaishnava college of Arts & Science
7. AMET University
8. Sher-e-Kashmir University of Agricultural Science and Technology of Kashmir
9. Karpagam Academy of Higher Education
10. Vinayaka Missions Research Foundation

GRAND RECEIVED

S.No	Funding Agency	Investigator/ Co investigator	Programme	Amount	Year
1	Tamilnadu State Council for Science & Technology,	Dr.M.Syed Ali- Biotechnology & Dr.V.Anuradha- Biochemistry	Community based Mangrove Rehabilitation for fisherman community	50000.00	2019-2020
2	Tamilnadu Science & Technology, Department of Science & Technology	Dr.M.Syed Ali- Biotechnology & Dr.V.Anuradha- Biochemistry	Clean Coast Safe Sea	47000.00	2022-2023

COLLABORATION

S.No	Name of the Supervisors	Name of Collaborators	Institutions	Details	Any Fund
1	Dr.M.Syed Ali- Biotechnology & Dr.V.Anuradha-	Dr. Sabine Matou- Nasri, Senior Scientist, KAIMRC, Saudi Arabia	King Abdullah Medical	Molecular Aspects about	-

	Biochemistry		Research Center	Cancer and Publications	
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ADDITIONAL DUTIES:

S.No	Particulars	Durations	Place
1	Coordinator – IQAC, NAAC	2016- Till Date	Mohamed Sathak College of arts and Science, Chennai
2.	Nodal officer - NIRF	2017-Till Date	Mohamed Sathak College of arts and Science, Chennai
3.	Programme officer – Other Accreditation	2017- Till Date	Mohamed Sathak College of arts and Science, Chennai
4.	Board Member- Biotechnology	2018-2020	University of Madras

PUBLICATIONS

Book Published: 02

Title: **Zebrafish A model organism for Regeneration Studies**

Authors : **Syed Ali.M., V.Anuradha., N.Yogananth**

ISBN:978-81-932643-3-9

Publisher: Darshan Publisher, Tamilnadu

Title: **Safety and Bio-efficacy of mosquito control from Marine natural Plant**

Authors: **Syed Ali.M, S.Ravikumar and V.Anuradha**

ISBN:978-3-659-444470

Publisher: Lambert, Germany

Books chapters

- Anuradha, V., **M. Syed Ali,*** S.Ravikumar, N.Yogananth, Lingaya Hiremath, 2023. Biomedical and Bioremediation potential of brown algae of coastal areas of Tamilnadu, Green and Clean Technology Innovations and Applications, Edt: Sharangouda J Patil & Lingaya Hiremath, Vol 1:342-366. ISBN:978-81-95966-24-0.
- Yogananth, N., **M.Syed Ali.**, V.Anuradha., T.Sivakumar, R.Bhagyaraj., E. Sheeba. 2022. An introduction to Entrepreneurship with special reference to incubation centers and funding agencies for startup business in India., Entrepreneurship in Biosciences-

Reference Approaches, Vol:1, Edition:1:1-27. ISBN:978-93-93942-38-8

- Muthumanickam, S.,P.Boomi, R.Subashkumar, S.Palanisamy, A.Sudha ,K.Anand, C.Balakumar, M.Saravanan, G.Poorani, Yao Wang, K. Vijayakumar, **M. Syed Ali**, 2021. An Insight of Protein Structure Predictions using Homology Modeling, A text of Computation in Bioinformatics (Wiley Publisher) Ed:S.Balamurugan and P.Boomi.ISBN:978-1-119-65471-1.
- Saranya Ramesh Babu, **M.Syed Ali**, V.Anuradha, Safia Messauodi,2020.Cytotoxic potential of methanoloc and aqueous extracts of *Anastatica hierochuntica* plants on MCF-7 Breast cancer cell line. A textbook of social relationship between microbes, human and environment Ed. Dr.S.Prakash, G.Manikandan, S.A.Shanmugam, PP:13-23,ISBN:978-93-5407-656-5
- **M.Syed Ali and V.Anuradha**, 2016. Overview of Zebrafish. Zebrafish A model organism for Regeneration Studies PP:1-14 , ISBN : 978-81-932643-3-9.
- **M.Syed Ali,V. Anuradha, N.Yogananth, S.Sathiya and S,Sirajudeen,2016**.Regenerative capacity of heart and liver of zebrafish using green synthesized of gold nanoparticle- Invivo. Zebrafish A model organism for Regeneration Studies, ISBN : 978-81-932643-3-9
- **Mohamed Yacoob Syed Ali**, Sundaram Ravikumar, Venkatraman Anuradha and Nagaraj Yogananath, 2015. Safety and Bio-efficacy of mosquito control from Marine natural Plant,PP:1-44
- S. Ravikumar, M. Gnanadesigan, **M. Syed Ali** and V. Vijayakumar, 2010. Structural elucidation of Bioactive Compounds. Marine Pharmacology Vol I:An Overview, Ed. S. Ravikumar and K. Kathiresan, Published by School of Marine Sciences, Alagappa University, Thondi campus. pp- 194-215.

Proceeding Publication

- **M.Syed Ali**, V.Anuradha, O.S.Aysha.2023.2nd International Conference on Unraveling Therapeutic Resources from nature's Treasure.**ISBN:978-93-94638-98-3**
- **M.Syed Ali**, V.Anuradha, O.S.Aysha. Proceedings of International seminar on Insight into modern therapeutic approaches to Combat human disease, 07.03.2023, **ISBN:978-93-94638-24-2**.
- **M.Syed Ali, Nasreen Najeeb, N.Yogananth, R.Rajan, A.Kalidoss, D.Selvakumar and M.Durga Devi,2016**.Proceedings of National Conference on Emerging Trends in Management of Infectious Diseases and Public Health-2016. Page No:1-210. **ISBN:978-81-931973-6-3**

- Priyadarshini,P., V.Anuradha,N.Yogananth, G.K.Saravanan, **M.Syed Ali***,2023.Molecular Docking analysis on bioactive metabolites from endophytic *Trichoderma viride* against tuberculosis. Indian Journal of Natural Science,14(81):65783-65792.(**WoS**)
- Anuradha,V., V.Suganya, A.Abiram, S.Edwin, N.Yogananth, **M.Syed Ali***,2023. Preliminary phytochemical analysis and *in vitro* antioxidant, anti-inflammatory activities of *Syringodium isoetifolium* and *Cymodocea serrulate* extracts. Indian Journal of Natural Sciences,14 (81):65700-65711. (**WoS**)
- Asbin Mary X., **Syed Ali Mohamed Yacoob***, Anuradha Venkatraman, Ruban Packiasamy, Meivelu Moovendhan, Murugesan Gnandesigan, Yogananth Nagarajan,2023.Anticancer activity of *Rhizophora mucronata* leaves extract on Spragur-Dawley Rats: In Vivo Model. Journal of Toxicology, Volume 2023,doi.org/10.1155/2023/6665012.**IF:2.9**
- Kaliselvi S., **M.Syed Ali**, V.Anuradha, A.SUBhashini,2023.A study on the effect of Citrulline Concentrations on Invitro sperm motility in Diabetic Infertile Male. International Journal of Pharama and Bioscience, 14(4):b1-b10.
- Anuradha Venkatraman, Ashwin Prakash Karurkar, **Syed Ali Mohamed Yacoob**, Sankar Muthumanickam, 2023. Molecular Docking Analysis of piperonal and its analogues as promising cancer therapeutics by modulating Angiogenesis, Journal of Drug Delivery and Therapeutics;13(7):93-98 – **UGC Care**.
- Selvaraj Thangamalathi, Venkatraman Anuradha, **Mohamed Yacoob Syed Ali**, Muhammed Sajjad Sarwar, Nagarajan Yogananth, 2023.Lithiumk induced histological and thyroid hormone alternations observed in *Channa punctatus* and *Oreochromis niloticus*. Punjab University Journal of Zoology, 38(1):119-125. **Scopus & WoS**.
- Vijayabharathi, S., V.Anuradha, A.Asrar Ahamed, **M.Syed Ali**, P.Priya, R.Govindharaju,2023. Ameliorating effect of saponin from *Phoenix pusilla* root on Streptozotocin induced diabetic animal model. European Chemical Bulletin, 12(8):1144-

1166. **Scopus & WoS.**

- Kalaiselvi S., **M.Syed Ali**,* V.Anuradha, A.Subhashini,2023. A study on the association of diabetes and semen quality in and around Chennai, Tamilnadu, India. International journal of Reproduction, Contraception, Obstetrics and Gynecology, 12(4):910-917.
- Ruban P., L.Joji Reddy, S.J. Rajalashmi Manickam, R.Rathinam, **M.Syed Ali**, S.Rajkumar, S.Sharma, P.Sudakara, EL.M.T.Eldin, 2023.Green Synthesis , characterizations and antibacterial activity of silver nanoparticles from *Themeda quadrivalvis* in conjugation with macrolide antibiotics against respiratory pathogens. Reviews on Advanced Materials Science 62:202202301. **IF:5.08**,
- Anna Sheba, L., V.Anuradha, **M.Syed Ali**, N.Yogananth,2013:Wound healing potential of *Couroupita guianensis* Aubl.Fruit pulp investigated on Excision wound Model. Applied Biochemistry and Biotechnology, <https://doi.org/10.1007/s12010-023-04400-5>. **IF: 3.094**
- Sheeba,H., **Syed Ali, M***, Anuradha,V., Yogananth,N.,Saravanan,G.K.,2023.In vivo studies on evaluation of endophytic fungi extract from *Trichoderma viride*, Beni Suef University journal of Basic and Applied Science, **12 (19):1-16** <https://doi.org/10.1186/s43088-023-00348-x> Springer Nature **IF:3.07**
- Asbin Mary, **M.Syed Ali***, V.Anuradha, N.Yogananth, J.Vardhana, P.Vinoth Kumar,2022. Induction of apoptosis by methanolic extract of *Rhizophora mucronata* Lam on MCF-7 Cell line, Research journal of Pharmacy and Technology, 15(11):5021-5025. **Indexed: Scopus & WoS**
- Ashwin Prakash Karurkar, Anuradha Venkatraman, **Syed Ali Mohamed Yacoob**, Asrar Ahamed, Mohamed Sihabudeen, 2022. Chemically synthesized schiffs base conjugated piperonal as novel antioxidants and scavengers of free radicals, , Research journal of Pharmacy and Technology, 15(11):4987-4993. **Indexed: Scopus & WoS**
- Chitra J., Zeyad,IA, **Syed Ali, M.**, Sahar, S.A., Rasha, S.S., Anuradha, V., Bandar,A., Senthilkumar,S., Vijayaraghava, R., Saranya R., Pari, S.M., Sabine, M.N.2022. *Rhizophora mucronata* Lam, Mangrove Bark extract reduces ethanol induced liver cell death and oxidative stress in swiss albino mice: In vivo and In silico studies.

Metabolites, 12(11), 1021; <https://doi.org/10.3390/metabo12111021>

- Revathi Chitra S., **Syed Ali Mohamed Yacoob***, Anuradha Venkatraman, 2022. In vitro cytotoxicity assay of fucoidan extracted from *Turbinaria conoides* against cancer cell lines MCF7, A549 and Normal cell line L929, Brazilian Journal of Pharmaceutical Science, 58:e19542. **IF:1.3.2**
- Desiyamani, P., **Syed Ali, M***, Anuradha, V., Yogananth, N. 2022. Quantification of antioxidant capacity and free radical scavenging potential of methanolic stilt root extract of *Rhizophora mucronata*, Algerian Journal of Natural Products 10:1 (2022) 880-893 **Indexed: Scopus & WoS.**
- Swaminthan, R., **Syed Ali, M***, Anuradha, V., Yogananth, N., Saravanan, G.K., 2022. Antiviral effects of L-Fucose from *Padina gymnospora* against various strains of Dengue virus. Journal of Advanced Scientific Research, 13(4):111-117. **Indexed: Scopus & WoS.**
- Anuradha Venkatraman, Meivelu Moovendhan, Kumar Chandrasekaran, Saranya Ramesh, Ashasalini Albert, Sangeetha Panchatcharam, Syed Ali Mohamed Yacoob*, Bhuvana, Yogananth Nagarajan, Saravan Govidasamy, 2022. Alcoholic concentrate of microalgal biomass modulates cytotoxicity, apoptosis and gene expression studied in hepatocellular carcinoma, 2022. Biomass Conversion and Biorefinery, <https://doi.org/10.1007/s13399-022-02786-6> **IF:4.987**
- Zeyad I Alehaideb, Anuradha Venkatraman, Mahadev Kokane, **Syed Ali Mohamed***, Saranya, Rasha S Suliman, Alghamdi, Hamad Al Eidi, Alghanem, Abdulla, Sabine Matou Nasri, 2022. *Bursatella leachii* purple ink secretion concentrate exerts cytotoxic properties against human hepatocarcinoma cell line (Hep G2): In vitro and In silico, Molecules; 27, 826. <https://doi.org/10.3390/molecules27030826> : **IF:4.927**
- Saranya R. **M.Syed Ali***, Abrar B. Alsaleh, V. Anuradha, Safi A Messaoudi, 2021. Genetic Profile evaluation of human cell lines treated with *Anastatica hierochuntica* using forensic DNA fingerprinting markers. Arab Journal of Forensic sciences & Forensic Medicine, 3(2):231-244. **Indexed: Scopus & WoS.**

- Swaminathan R., **M.Syed Ali**, V.Anuradha, R. Abinaya, J.S.Ananthalakshmi, N.Yogananth,2021.Antioxidant potential of fucose isolated from the marine macroalgae *Padina gymnospora*, Journal of Bioscience Biotechnology, Research Communications, (Sep 2021, Vol 14 (3):1302-1308. **Indexed: Scopus & WoS.**
- Suganya V., V.Anuradha, M.Syed Ali, A.Sasirehka, J.Malathi, S.Ravikumar, P.Boomi,2021. Biochemical evolution and molecular docking studies on encapsulated astaxanthin for the growth inhibition of Mycobacterium tuberculosis, Journal of Applied Biology& Biotechnology, Vol 9(S1) 31-39.**(IF:0.854) Indexed: Scopus & WoS.**
- Revathi Chitra, S., M.Syed Ali, V.Anuradha,2021.Molecular docking of fucoidan (a polysaccharide compound *Turbinaria conoides*) with carbonic anhydrase IX-A potent target molecule in breast cancer, Journal of Applied Biology& Biotechnology, Vol 9(S1)20-25. **(IF:0.854) Indexed: Scopus & WoS.**
- Ashashalini A, M.Syed Ali, V.Anuradha, S.Ravikumar and M.Habeeb,2021.Evaluaton of acute and sub-acute toxicity assessment of marine diatom *Thalassiosira weissflogii*, Journal of Applied Biology& Biotechnology, Vol 9 (S1) 13-19. **(IF:0.854) Indexed: Scopus & WoS.**
- Asbin Mary X.,**M.Syed Ali**, V.Anuradha, M.Moorthi,2020.Identification of bioactive compounds from *Rhizophora mucronata* methanolic leaf extracts by GCMS Analysis. International Journal of Pharmaceutical Science and Research,11(9):4598-4602. **Indexed: Scopus.**
- Saranya Rameshbabu,Safia A. Messaoudi, Zeyad Ibrahim, Alehaideb, **Mohamed Yacoob Syed Ali**, Anuradha Venktraman, Hala Alajmi, Hamad Al-Eidi, Sabine Matou-Nasri,2020. *Anastatica hierochuntica* methanolic and aqueous extracts exert antiproliferative effects through the induction of apoptosis in MCF-7 breast cancer cells. Saudi Pharmaceutical Journal, 28:985-993.**(IF:4.455) Indexed: Scopus & WoS.**
- Sheeba,H., **M.Syed Ali**, V.Anuradha,2020. In vitro anticancer activity of endophytic fungi isolated from *Ziziphus mauritiana* in cervical cancer cell line., European journal of medicinal plants,31(4):38-48 **Indexed: WoS.**

- Anuradha V., S.Vijaya Bharathi, **M.Syed Ali**,2020. Preliminary phytochemical, microscopic analysis and metabolite profiling of *Phoenix pusilla* root. Journal of Applied Pharmaceutical Science,10(3):128-134..**(IF:1.376) Indexed: Scopus & WoS.**
- Chitra, J., **M.Syed Ali**, S.Senthil Kumar, V.Anuradha, R.Vijayaraghavan,N.Yogananth,2020. Hplc characterization, acute, sub acute toxicity evaluation of bark extract of *Rhizophora mucronata* in swiss albino mice, Journal of Heliyon, e03108. **(IF:2.850) Indexed: Scopus & WoS.**
- Asbin Mary. X , **Syed Ali . M**, Anuradha. V Moorthi.S. Molecular Docking Studies of Phytocompounds from Leaf Extract of *Rhizophora Mucronata* against Breast Cancer. International Journal of Management, Technology And Engineering, 9(12):340-348.**(IF:1.972) Indexed: Scopus**
- Revathi C., **M.Syed Ali**, V.Anuradha,2019. Anti scavenging property and characterization using HPLC of the fucoidan extracted from *Turbinaria coniodes*, International journal of scientific and technology research, 8(11):2201-2206. **(IF:0.427) Indexed: Scopus.**
- Ashwin Prakash Karurkar, V Anuradha*, A Asrar Ahamed, M Mohamed Sihabudeen, **M Syed Ali.2019.** Spectral characterization and invitro anti-inflammatory potential of an EDP Schiff Base. Research Journal of Pharmaceutical, Biological and chemical Sciences.10(6):99-104.
- Bhuvana,P.,V.Anuradha, **M.Syed Ali.2019.** Cardio protective effect of methanolic extract of *Chlorella vulgaris* against in domethacin – induced cardiotoxicity in zebrafish. International journal of scientific research and reviews.8(2):01-12.
- Sheeba, H, **M.Syed Ali***, V.Anuradha, 2019. Bioactive compounds and antimicrobial activity of fungal crude extract from medicinal plant. Journal of Pharmaceutical Science and Research.11(5):1826-1833. **(IF:0.645) Indexed: Scopus & WoS.**
- Sheeba, H, **M.Syed Ali***, , V.Anuradha, 2019.Antagonistic activity of endophytic fungi from the stem of *Ziziphus mauritiana* and *Hybanthus enneaspermus*. International Journal of Research and Analytical Reviews 6(2):445-451 **Indexed: Scopus & WoS.**

- Sheeba, H, **M.Syed Ali***, , V.Anuradha, 2019.Seasonal variation and Biodiversity of Endophytic fungi from three medicinal plants. Journal of Universal Review,8(6):105-113.
- Chitra J., **M.Syed Ali***, V.Anuradha, 2019. Pharmacognostic and antioxidant activity and its hydroethanolic extract of Rhizophora mucronata –A true mangrove. Pramana Research Journal,9(6):2019.
- Chitra J., **M.Syed Ali***, V.Anuradha, 2019.Identification of bioactive compounds in the crude bark extract Rhizophora mucronata by GCMS analysis and HPTLC fingerprinting of the crude and its fractions. Journal of Universal Review, 8(6):29-39.
- Chitra J., **M.Syed Ali***, V.Anuradha,2019. Screening of Phytochemical and antioxidant capacity of Avicennia marina leaf extract from backwater of Muthukadu Lakke, Tamilnadu. International Journal of Research and Analytical Reviews,6(2):27-32
- Asbin Mary. X , **Syed Ali . M**, Anuradha. V Moorthi.S. In Vitro Cytotoxicity Effect of Rhizophora Mucronata Methanolic Leaf Extract Against MCF- 7 Cell Line, International Journal of Research and Analytical Reviews.6(5):566-572 **Indexed: Scopus**
- Ashasahalini A, **M.Syed Ali,*** V.Anuradha, V.Suganaya, P.Bhuvana,2019. Estimation of total phenolic, flavonoid and antioxidant of methanolic extract of *Thalassiosira weissflogii*. World journal of pharmaceutical research, 8(7):1463-1481
- Ashasahalini A, **M.Syed Ali,*** V.Anuradha, N.Yogananth P.Bhuvana,2019.GCMS analysis and invitro antibacterial and anti inflammatory study on methanolic extract of *Thalassiosira weissflogii*, Journal of Biocatalysts and Agricultural Biotechnology, 19:<https://doi.org/10.1016/j.bcab.2019.101148> **Indexed: Scopus & WoS.**
- Bhuvana, P., P.Sangeetha, V.Anuradha, M.Syed Ali.2019. Spectral characterization of bioactive compounds from microalgae: *N.oculata* and *C.vulgaris*. Journal of Biocatalysts and Agricultural Biotechnology,(19):101094. **Indexed: Scopus & WoS.**
- Saranya R, **M.Syed Ali***, V.Anuradha,2019.Phytochemical, Fluorescence screening and GCMS analysis of various crude extracts of *Anastatica hierochuntica*, Journal of Pharmaceutical, chemical and biological science, 7(1):44-56 .
- Chitra J., **M.Syed Ali**, V.Anuradha, N.Yogananth, M.Gnanadesigan, 2019.Propugnating

effect of bark of *Rhizophora mucronata* against different toxicants Viz Carbon tetrachloride, ethanol and paracetamol on HepG2 Cell lines. Journal of Pharamacopuncture, 22(1):041-048 .(IF:1.643) **Indexed: Scopus & WoS.**

- Yogananth, N., R.Bhagyaraj, **M.Syed Ali**, R.Muthezhilan,2019.Effect of yeast elicitor on the enhancement of kaempferol from in vivo and in vitro callus cultures of *Dregea volubilis* Benth, Asian Journal of Biological Science, DOI: 10.3923/ajbs.2019(IF:0.771) **Indexed: Scopus & WoS.**
- Samanjit kaur, **Syed Ali M***, V.Anuradha, N.Yogananth , V.Suganya, P,Bhuvana,2019. Proximate composition and invitro antioxidant properties of *Rhizophora mucronata* plant part extract. Asian Journal Green chemistry, 3:345-35. **Indexed: WoS.**
- R.Saranya, **M.Syed Ali***, V.Anuradha, M.Safia,2019.Pharmacognosy and radical scavenging potential of different plant parts of *Anastatica hierochuntica*. Journal of Pharmacognosy and Phyto chemistry, 8(1):1764-1771.
- Monisha E., Suganya V., Anuradha V., **Syed Ali M.**, 2018.Antioxidant Anti inflammatory and Anti diabetic activity of some novel chalcone and piperidine dervaties. International Research Journal of Pharmacy and Medical Science., 2(1):06-12.
- Samanjit kaur, **M.Syed Ali***, V.Anuradha, V.Suganya, A.Ashashalini, P.Bhuvana,2018. *Invitro* anti inflammatory activity of mangrove plant *Rhizophora mucronata* Lam. (Malpighiales Rhizophoraceae). Brazilian Journal of Biological Science,5(10):417-426 **Indexed: Scopus & WoS.**
- **Syed Ali M.***, Anuradha V., Yogananth N., Krishnakumar S.,2018. Heart and Liver regeneration in zebrafish using silver nanoparticle synthesized from *Turbinaria conoides*- *Invitro*, Biocatalysts and Agricultural Biotechnology, 17:104-109 **Indexed: Scopus & WoS.**
- Ashashalini A., **Syed Ali,M***, Anuradha,V., Yogananth, N., Suganya V., Bhuvana,P.2018.Cultivation, quantification and pharmacognostic study of methanolic extract of *Thalassiosira weissflogii*, IOSR Journal of Pharmacy,8 (10):36-43.
- Revathi Chitra S., **Syed Ali,M***, Anuradha V., Shantha M., Yogananth N.,

2018.,Antioxidant activity of Polysaccharide from Sargassum Sps,IOSR Journal of Pharmacy, 8(8):24-31.

- Suganaya V.Anuradha V,**Syed Ali**, Sangeetha,P., P.Bhuvana.2018.Drug safety evaluation of micro encapsulated astaxanthin for sustained drug release. Journal of Pharmacy and Biological Science,13(4):71-76
- Sangeetha,P.,V.Suganaya, P.Bhuvana,V.Anuradha, **M.Syed Ali**,2018. Physicochemical characterization and drug standardization of Nannochloropsis oculata, World Journal of Pharmaceutical and Medical Research,4(8):167-171
- Suganaya V.Anuradha V,**Syed Ali**,M.2018.Role of inflammatory marker tumorigenesis, International journal of pharmaceutical Science Review and Research, 19 (121-131) .
- Bhuvana P., V.Anuradha, **M.Syed Ali**, V.Suganya, P.Sangeetha,2018. Drug Standardization and in vitro anti-inflammatory and antibacterial activity of *Chlorella vulgaris* ,International Journal of Pharmacy and Biological Science, 8(1):103-110
- Bhuvana P., V.Anuradha, **M.Syed Ali**, V.Suganya, P.Sangeetha,2018.Cultivation, Phytochemical screening and quantitative analysis of phytochemicals in *Chlorella vulgaris*, Journal of Bioscience Discovery, 9(2):244-250.
- AnuradhaV., **M. Syed Ali**, N.Yogananth, H,Sheeba,V.Suganya,M.Tamilzrasan,2018.Pharmacological activity of biosynthesized gold nanoparticles from Brown Algae Seaweed Turbinaria conoides, Nanoworld Journal,4(1)_17-22 **Indexed: WoS.**
- Desiyamani, P., **M.Syed Ali**, V.Anuradha, N.Yogananth and H.Sheeba,2018. Ecotoxicity of plant based mosquito larvicidal, repellent and adulticidal activities of *Sargassum polycystum* extract against dengue and filarial vectors, Journal of Entomology and Zoology Studies, 6(2):1108-1117
- Swetha S., V.Anuradha, N.Yogananth and **M.Syed Ali**, 2018. GC-MS Analysis and invitro enzyme inhibitory effect of different solvent extract of Garcinia cambogia fruit. World Journal of Pharmaceutical Research, 7(5):1636-1650.
- R. Selvi, N. Yogananth, **M. Syed Ali** and V. Anuradha,2018. *In Vitro* Antioxidant And

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1. International Journal of Green Pharmacy
2. Research Journal of Parasitology
3. International Journal of Pharma and Bioscience
4. International Journal Drug Formulation and Research
5. International Journal of Aromatic and Medicinal plant
6. International Journal of Nano Dimension
7. Nanoscience and Technology: Open Access
8. Pharmacopuncture
9. Biocatalysts and Agriculture biotechnology

Guest Editor

- *Biocatalysis and Agricultural Biotechnology- Special issue:*<https://www.sciencedirect.com/journal/biocatalysis-and-agricultural-biotechnology/special-issue/102FRCooC8P>

Nucleotide Sequences Published in GenBank:

16S rRNA sequences was deposited in NCBI for wider use

Sources of Organisms	Authors	Accession No	Date of Deposit
<i>Bacillus sp.</i> RSBAUOCAS0003B	Ravikumar, S., M. Syed Ali and J.R.Bhatt.	HM641039	17.08.2010
<i>Photobacterium sp.</i> RSBAUOCAS0005B	Ravikumar, S., M. Syed Ali and J.R.Bhatt.	HM641040	17.08.2010

<i>Bacillus sp.</i> RSBAUOCAS0007B	Ravikumar, S., M. Syed Ali and J.R.Bhatt.	HM641041	17.08.2010
<i>Serratia sp.</i> RSBAUOCAS0008B	Ravikumar, S., M. Syed Ali and J.R.Bhatt.	HM641042	17.08.2010
<i>Bacillus sp.</i> RSBAUOCAS0010B	Ravikumar, S., M. Syed Ali and J.R.Bhatt.	HM641043	17.08.2010
<i>Bacillus megaterium.</i> RSBAUOCAS0012B	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641044	17.08.2010
<i>Bacillus sp.</i> RSBAUOCAS0013B	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641045	17.08.2010
<i>Xanthomonas sp.</i> RSBAUOCAS0009B	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641046	17.08.2010
<i>Streptomyces sp.</i> RSBAUOCAS0001A	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641047	17.08.2010
<i>Streptomyces sp.</i> RSBAUOCAS0002A	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641048	17.08.2010
<i>Streptomyces sp.</i> RSBAUOCAS0003A	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641049	17.08.2010
<i>Streptomyces sp.</i> RSBAUOCAS0004A	Ravikumar, S., M. Syed Ali and J.R.Bhatt	HM641050	17.08.2010
<i>Actinobacterium sp.</i> ACT3	Ravikumar, S., M. D. Fredi Moses and M.Syed Ali.	GQ478248	04.10.2009

EXTERNAL EXAMINERS

- Appointed of **University of Madras Practical Examination Biotechnology (PG)** to Hindustan College of Arts and Science (2019 to till Date)
- Appointed of **University of Madras Practical Examination Biotechnology to SRM arts and Science college, Chennai (2015 and 2016 March)**
- Appointed of University Practical Examination Biotechnology to **Sri Sankara Arts & Science, Chennai (2015 and 2016 March)**

QUESTION SETTINGS

- Appointed of Question setter (Theory and Practical) University examination Biotechnology to **Sathayabama University,(2018 to Till Date)**

- Appointed of Question setter (Theory and Practical) University examination Biotechnology to **Sri Sankara Arts & Science, Chennai (2015 to Till Date)**
- Appointed of Question setter (Theory) University examination 2015-Till Date to **D.G.Vaishnav College of Arts and Science (Autonomous)**, Arumbakkam, Chennai
- Appointed of Question setter (Theory and Practical) University examination of biomedical science to Alagappa University, 2018.

PAPER VALUATIONS

- Appointed of paper evaluations to **University of Madras (UG/PG)**.
- Appointed of paper evaluations to **D.G.Vaishnav College of Arts and Science (Autonomous)**, Arumbakkam, Chennai
- Appointed of paper evaluations to **Sathyabama University**, Chennai.
- Appointed of paper evaluations to **Sri Sankara Arts & Science, Chennai**

CONFERENCE CONDUCTED

- International seminar on **Insight into modern therapeutic approaches to Combat human disease**, 07.03.2023.
- **International Conference on “Unraveling Therapeutic Recourses from Nature’s Treasure”** at PG & Research Biotechnology, Mohamed Sathak College Arts and Science, (20-04.2022-25.04.2022) – Virtual Mode.
- **India 1st International Workshop on Artificial Intelligence in Bioinformatics & Drug Discovery** at Mohamed Sathak College of arts and science & Wisecorner Laboratories Pvt Ltd , Chennai (August 14th, 2019)
- Three days workshop on Conducting workshop on Rehabilitation and **Ecological Benefits of Mangrove Plantation-Mutthukad Backwater-04-06.19.2019.Sponserd by TNSCST, Chennai**
(TNSCST/DIT/17/VR/2017-2018)
- National conference on **“Emerging Trends Management of Infectious Disease and**

Public Helath-2016” at Mohamed Sathak college of Arts & Science, PG & Research Department of Biotechnology, Sholinganallur, Chennai (February,04&05,2016)

**PAPER
PRESENTATIONS**

- **Antimalarial efficacy of methanolic mangrove extract against plasmodium falciparum-invitro & Invivo**, 4TH International conference on Infectious Diseases and Nanomedicine, Nepal, Date:15-18,2023.
- National Conference on Hazardous food chemicals on Human Health, Paper entitled on HFCO32 Scientific Validation and in vivo assessment organized by Department of Microbiology & Biotechnology, BIHER, Chennai, date 23.03.2023.
- **Screening of sulfated polysaccharide from Padina gymnospora.** World wide conference on Infectious Diseases, Dubai, Nov 25-26,2019
- International conference “Emerging perspectives in bio engineering and biomedical informatics with special relevance to the ethno medicine in Human health. **INVITRO STUDIES ON ANTIMYCOBACTERIAL ACTIVITY & PHARMACOGONSY OF SALT MARSH MANGROVE PLANTS** , Organized by Department of Biotechnology, Sathyabama University, 25th – 27th March-2019
- “An in vitro study of potent anticancer extracts from marine microalgae on Autosomal STR Markers.4th International Conference of on Forensic Science, Organized by Arab Socity for forensic science and forensic medicine, Naif Arab University, Riydh, Saudi Arabia, November 27-29,2019.
- Heart and Liver regeneration in zebra fish using nanoparticle from marine plant at International Conference on Bioengineering on Health and Environment, Organised by Sathayabama Institute of Science and Technology, Chennai, India, 8-10th January,2018.
- **Activated carbon combined nanoparticles for efficient removal of Dyes and heavy metals** at Indo UK workshop on Nanomaterials for water purification,held in Kottiyam, Kerela, Sponsored by Royal Society of Chemical, UK (December 12-16,2016)

- **Heart and Liver regeneration in zebra fish using silver synthesis particle from marine plant-In vivo at 2ndInternational Conference on Infectious Diseases and Public Health-2015, held in Nepal, Sponsored by ESCMID, Swiss.(December 15-18,2015).**
- **Safety and Efficacy of mosquito control from marine natural products at International conference on Advances in Parasitology and Public Health-2014, College of Veterinary and Animal Science, Jhang, Pakistan (October 22-24,2014).**
- **Indian Climatic Change 2013- at First Seminar on Climate Change and Green Low-Carbon Development 2014,China, Beijing (June 03-23)**
- **Antibacterial activity of Medicinal Herbs Plants against Urinary Tract Infection Pathogens at Bharathidasan University, Tirichirappalli, Tamilnadu (February, 10-11, 2011).**
- **Termicidal Property of Seaweeds Against *Glyptotermis Sp* at University of Kerela, Trivananthapuram, Kerala (December 14-15,2010)**
- **Antibacterial activity of Heterotrophic endophytes from Karangkadu Mangrove Ecosystem India, at School of Marine Sciences, Department of Oceanography and CAS, Alagappa University, Karaikudi, India (August 25-27, 2010)**
- **Larvicidal activity of Ethanolic extracts from Mangrove plants *Rhizophora mucronata* and *Avicennia marina* against *Aedes aegypti* at National Institute of Malaria Research and Goa University, Goa, India (November 4-6,2009)**
- **Larvicidal and Insecticidal properties of some marine sponges collected in Palk bay and Gulf of Mannar waters at Department of Biology, Dr.Zakir HusainCollege, Ilayangudi, Tamil Nadu, India.(Dec 29-30,2008).**
- **Mangrove Ecosystem in Karangadu at UNU-INWEH-UNESCO International Training Course on Coastal Biodiversity in Mangrove Ecosystem, Organized By Centre of Advanced Study in Marine Biology Annamalai University, Parangepattai, India (November 03-17)**
- **Screening of column chromatographic fractions from marine halophytes against antibiotic sensitive human bacterial pathogens at Department of Botany, Bharathiar**

University, Coimbatore, TamilNadu, India.

- **Studies on intestine microflora among *Culpiforme* fishes** at Department of Microbiology, Bharathidasan University, Tirichirappalli, Tamil Nadu, India (January 03-05, 2008).
- **Termicidal compounds from marine halophyte** at Department of Oceanography & Costal Area Studies, Alagappa University, Thondi Campus, Thondi, Tamil Nadu, India. (April 26-28, 2007)
- **Effect of seaweeds and mangrove halophyte extracts on the *in vitro* and *in vivo* sperm viability in *Penaeus semisulcatus*** at Vivakananda college of Arts and Science for women, Namakkal District, Tamil Nadu, India. (Feb 23-24,2006)
- **Screening of Marine halophytes on Termicidal Activity** at St.Xavier College, Palayamkottai, Tamil Nadu, India. (December 8-10, 2005)

**SEMINARS AND
CONFERENCES
/FDP ATTENDED**

- 4th International Conference on Infectious disease and nanomedicine-2023, Dec 15-18, 2023, Kathamandu, Nepal.
- Certificate participating in the 33rd SPSR Webinar on Strategic Approaches to research mastery: Drug Discovery from Herbal Sources with advanced instrumentations. agricultural, organized by Society of Pharmaceutical Science & Research on 17th December 2023.
- Certificate participating in the 32nd SPSR Webinar on From lab to Life: Unraveling Chemotherapy- induced neuropathic pain with cutting edge Animal Model. organized by Society of Pharmaceutical Science & Research on 3rd December,2023.
- Certificate participating in the 31th SPSR Webinar on “Cancer Drug Discovery: A Molecular Journey to targeted treatment & agricultural, organized by Society of Pharmaceutical Science & Research in collaboration with the University Institute of Pharama Science, Chandigarh University, Punjab on 19th November,2023.
- Certificate of participating Faculty Development Programme on Idea Generation

Methods, Conducted by ICT Academy on 06-10, November 2023.

- Certificate participating in the 29th SPSR Webinar on Harnessing Nanotechnology: Biosynthesis and characterization of silver nanoparticle and their biomedical & agricultural, organized by Society of Pharmaceutical Science & Research on 15th October, 2023.
- Faculty Development Program on The ABC of accreditations –NAAC, Organized by Association of Muslim Professionals in Collaboration with Maulana Azad University, 28-30, September 2023.
- Institutional preparedness for Accreditations and Learning Outcomes, Organized by mastersoft, Chennai on 29.03.2023.
- International seminar on Insight into modern therapeutic approaches to Combat human disease, 07.03.2023.
- International conference on Unravelling Therapeutic resources from Natures Treasure, Organised by Department of Life Science, Mohamed Sathak College of Arts and Science, April, 20&21, 2022
- **International Seminar on South-South cooperation in Cross- border E-Commerce for poverty eradication and Global Sustainable Development.** Hosted by Ministry of Commerce of Peoples Republic of China. March, 21-25, 2022.
- **International Conference on Science, Innovation, Sustainable, Technology- Safety, Health and Environment 2022.** Organized by Sathyabama Institute of Science and Technology, Chennai, India, March-08 – 10.03.2022
- **International conference on Gender Issues in Water Management in Developing countries and Sustainable development, 22-23,** February, 2022.
- **National conference on Higher Education Conclave,** Organized by MasterSoft, Chennai, India, January, 8, 2022.
- **Eight Day virtual Faculty Development Programme on NAAC Accreditation Framework,** Organized by IQAC Cell, The Quaide Milleth College for Men, Chennai, September, 21.09.2021 to 29.09.2021.

- **International Conference on Integrated Bioinformatics and Computational Biology**, Organized by SRM Institute of science and Technology, Chennai, India, December,16-17th & 2020.
- World wide conference on **Infectious Diseases**, Dubai, Nov 25-26,2019
- **National Conference on Impact of Biotechnological in improving human health**, Organized by Department of Biotechnology, SRM Arts and Science College, Kattankulathur,September,27th 2019.
- **National Conference on Climate Change, Food Security and Biodiversity**, Organized by Department of Biotechnology, Kumararani Muthiah College of Arts and Science, Adyar, Chennai, September,06,2019.
- **National Science Day celebration on Some perception on Science**, organized by Tamilnadu Science Forum, Chennai District, 1st March 2019.
- **Two days National Conference on Modern Biological Sciences organized by Department of Biosciences and research, SNMV College**, Coimbatore, 28th and 29th January, 2019.
- **One day Faculty Development Programme on Quality Assurance and Sustenance in Higher education**, organized by IQAC Cell, Mohamed Sathak College of Arts and Science, Sholinganallur, Chennai, 30th January, 2019.
- **One day National Symposium on Biodiversity perspectives**, organized by PG and Research Department of Zoology and IQAC, Hajee Karutha Rowther Howdia College, Uthamapalayam, Theni, 20th September 2018.
- **International conference “Emerging perspectives in bio engineering and biomedical informatics with special relevance to the ethno medicine in Human health**. Organized by Department of Biotechnology, Sathyabama University, 25th – 27th March·2019
- **4th International Conference of on Forensic Science, Organized by Arab Socity for forensic science and forensic medicine, Naif Arab University, Riydh, Saudi Arabia, November 27-29,2019.**

- International Conference on **Emerging Areas of Biotechnology for Human Welfare and Bio-entrepreneurship**, Organised by School of Life Science, B.S.Abdur Rahman Crescent Institute of Science and Technology, Chennai,India,11-12 September,2018.
- 2nd International Conference on **Recent Trends In Nanotechnology**, Organised by Alpha Arts and Science College & Institute of Biomedical Science, Mekelle University, Ethiopia, 7th September,2018.
- National training on **State-wide workshop for creating awareness among the Minorities about State and Central Government Schemes**, Organised by Directorate of Minorities welfare and Tamilnadu Minorities Economic Development Corporation, Chennai, India, 11th April, 2018
- National Conference on **Interdisciplinary Research and Innovations In Biosciences, (NATCON-2018)**,Organised by PG & Research Department of Biochemistry, Mohamed Sathak College of Arts and Science, Sholinganalur, Chennai, India, 24-25th January,2018.
- **National Conference on Recent Developments in Chemistry**, Organised by PG & Research Department of Chemistry, Jamal Mohamed College, Trichy, India 20th January,2018
- **National Conference on Towards Achieving Excellence in Higher Education.** Organised by Sri Sanakara Arts and Science College Kanchipuram, Tamilnadu, India, 15th December,2017.
- One Day Faculty Development Programme **on Mentoring-Being a Great teacher and Moving towards Excellence**, Organised by IQAC, Mohamed Sathak College of Arts and Science, Sholinganalur, Chennai-119, India, 7th December,2017.
- **National level seminar on Environmental toxicology and its impact on biodiversity**, Organised by Kumararani Meena Muthaih College of Arts and Science, Chennai, Tamilnadu, India,1st September,2017.
- **National Conference on Emerging Horizons in Biotechnology**, Organised by Department of Biotechnology, Alpha arts and Science College, Chennai , Tamilnadu,

India. 11th January 2017.

- **International Conference on Chemical and Environmental Research-2017**, Organised by Department of Chemistry , The Jamal Mohamed College College, Tiruchy, Tamilnadu, India. 7th January 2017.
- **Certificate of participation in Faculty Development Programme**, Organised by Indian Institute of Logistics, Tamilnadu, India. 10th December 2016.
- **National Conference on Algal Biology and Biotechnology-2016**, Organised by Department of Biotechnology, University of Madras and Krishnamurthy Institute of Algology, Tamilnadu, India. 24-26 November 2016.
- **National Conference on Transitional and Translational Scenarios in Biological Science** Organised by Department of Microbiology, Dr.N.G.P.Arts and Science College and Indian Association of Applied Microbiologists.9-10 September 2016.
- **National Seminar on Marine Resources**, Organised by Department of Zoology, The M.D.T.Hindu College, Tirunelveli and Collaboration with Seaweed Research and Utilization Association, CAS in Marine Biology, Annamalai University, Parangipettai, Tamilnadu, India. 3rd and 4th March 2016.
- National Level Seminar on Recent Trends in **Bioprospecting of Marine Resources**, Organised by Department of Marine Biotechnology, AMET University, Chennai, India (February 28,2015)
- 7th National Conference on “**Science, Technology and Productization**” Organised by The Oxford College of Science, Bangalore (February 5th & 6th 2015)
- National Conference on “**Bioactive Peptides-Application in Veterinary, Medical and Food Science**” Organized By TVASU, Chennai, India (December 18 & 19, 2014)
- **12th National conference** of Indian association of applied microbiologists (IAAM) on “**Global trends and challenges in biosciences**”, held at Department of Microbiology, Dr. MGR Janaki College of Arts and Science for women, Chennai – 28 on 5th and 6th December 2014.
- **International Conference on Advances in Parasitology and Public Health-2014.**

Organized By College of Veterinary and Animal Science, Hjang, Pakistan (October 22-24, 2014) **Sponsored By Higher Education Commission, Pakistan.**

- **First Seminar on Climate Change and Green Low-Carbon Development 2014, Sponsored By Department of Climate Change, National Development Reform Commission** Organized by Academy Macroeconomic, Republic of China (June 03 - 23,2014, Beijing) **Funded By China Government Policy**
- **6th National Science Conference “Beyond the Frontiers in Science model making”** Organised By The Oxford College of Science, Bangalore (March 27th & 28th 2014)
- **2nd International Symposium on Frontiers in Pharmaceutical Research and Nanotechnology** Organized by Clinfocus Research Pvt Ltd India and Mohamed Sathak A.J.College of Pharmacy, Chennai, TamilNadu, India (September 28-29,2012)
- **International Conference on Environmental Security for Food and Health** by Department of Advanced zoology and Biotechnology, The M.D.T.Hindu College, Tirunveli, TamilNadu, India. (February 16-18,2012).
- National Conference on “Bioactive compounds and Therapeutics” Organised by The Oxford College of Science, Bangalore,(February 27th & 28th 2012)
- **Indo – UK Conference on “Shrimp Aquaculture: Challenges and Innovative Solutions”** by Department of Bioinformatics, Bharathidasan University, India and School of Biological Sciences, University of London UK. (January 25-26, 2012).
- **National Conference on ‘Bio-activa’** by Department of Marine Science, Bharathidasan University, Tamil Nadu, India (February, 10-11, 2011).
- 2nd International Seminar and Workshop on “**Sustainable Utilization of Tropical Plant Biomass**” by University Kerala, Trivanthapuram, India (December 14-15,2010)
- International Conference on “**Aquatic Microbiology (Status, Challenges and Opportunities)**” by Faculty of Marine Sciences, Centre of Advanced Study in Marine Biology, Annamalai University, parangepatti, Tamil Nadu, India (August 2-4,2010)
- International Conference on “**Climate Change and Bioresource**” by Department of Biotechnology, Bharathidasan University, Tirichirappalli, Tamil Nadu, India (February 9-

12,2010)

- X International Symposium on ‘**Vector And Vector Borne Diseases**’ by National Institute of Malaria Research and Goa University, Goa,India (November 4-6,2009)
- International Colloquium on “**Emerging Biotechnologies In Agriculture, Animal Health and Productivity**” (**ICEB’09**) by Department of Schools of Biosciences, Alagappa University, Karaikudi, Tamil Nadu, India (February 22-26,2009)
- International Seminar on **Biotechnology**, Department of Botany and Biotechnology in Ayappa Women College at Chunkankadi, KanyaKumari District.(Feb 10,2004)
- National Conference on “**Recent Trends in Green Synthesis (RTGS-2011)**”Organized by School of Chemistry, Department of Industrial Chemistry, Alagappa University, Karaikudi, Tamil Nadu (August 5-6,2011).
- National Conference on “**Explorations of the Natural Bioactive Compounds from the Marine Resources**”, Organized By Department of Marine Science, Bharathidasan University, Tirichirappalli Tamil Nadu (February, 10-11,2011)
- National Seminar on “**Application of Nanotechnology in Current Agriculture Practices**” Organized By Department of Biology, Dr.Zakir Husain College, Ilayangdi, TamilNadu (February,09-10.2011).
- State level seminar on “**Bioprospecting of Natural Resources**”, Organized by Department of Advanced Zoology and Biotechnology, Tirunelveli, Tamil Nadu (January,28,2011)
- National Symposium on “**Molecular Innovations in Food Processing and Food Safety Management**” Organized by National Institute of Food Technology, Indian Institute of Crop Processing Technology, Tamilnadu (April 5th & 6th,2010).
- National Seminar on “**Recent Trends in Microbial Technology with Reference To Extremophiles**” Organized By Department of Microbiology, Periyar University, Salem, Tamil Nadu (October 21-22,2010)
- **mwptpay; jkpo;-Njrpaf; fUj;juq;fk; kNdhd;kzpak; Re;judhh; gy;fiyf;fofk; (mf;NIhgh; 07 & 08> 2010)**

- Second National Conference on “**Bioprospecting of Marine Resources with Special Reference to Marine Natural Products and Drug Discovery**” Organized By Department of Oceanography & Coastal Area Studies, Alagappa University, Thondi. (August 25-27, 2010).
- National Conference on “**Global Warming-Now and Then**”, Organized by School of Marine Sciences, Alagappa University, Thondi, Tamil Nadu. (March 18-19,2010)
- State Level Seminar on “ **Conservation and Utilization of Bioresources for Rural Development**” By Department of Biology, Dr. Zakir Husain College, Ilayangudi, Tamil Nadu,India.(December 29-30,2008)
- National Symposium on “ **Herbal Drug Research** ”Organized by Department of Botany , Bharathiar University, Coimbatore, Tamil Nadu, India.(September 25-26,2008).
- National Symposium on “**Current Scenario Microbial Technology**” Organized by Department of Microbiology, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India.(January 03-05, 2008)
- National Seminar on “**Marine Biotechnology**” Organized by Department of Biotechnology, St.Michael College of Engineering & Technology, Kalayarkoil, Tamil Nadu, India.(October 4, 2007)
- National Symposium on “**Marine and Coastal Ecosystems**” Organized by Centre For Marine and Coastal Studies Madurai Kamaraj University and Seaweed Research and Utilization Association, Madurai.(August 27-29, 2007)
- National Conference on “**Bioprospecting of Marine Resources With Special Reference to Marine Natural Products And Drug Discovery**” Organized by Department of Oceanography & Coastal Area Studies, Alagappa University, Thondi, Tamilnadu (April 26-28, 2007)
- 5th National Conference of Indian Association of Applied Microbiologist(IAAM) on “**Emerging Trends And Evolving Technologies In Applied Microbiology With Special Reference To Microbial Nanotechnology**” Organized by Sri Sankara Arts & Science College, Kanchipuram, TamilNadu, India. (January 11-12, 2007)

- National Seminar in “**Biomedicine in Aquaculture**” Organized by Center for Marine Science and Technology and Aquaculture Foundation of India at Kanyakumari. (March 17-18, 2006)
- National Seminar on “**Recent Trends in Bioscience**” at Vivakananda College of Arts and Science For Women, Namakkal District, Tamil Nadu, India.(Feb 23-24,2006).
- National Seminar on “**Bioprospecting of Bioresources**” **St.Xavier** College, at Palayamkottai Tamil Nadu, India. (December 8-10, 2005)
- State Level Seminar on “**Medicinal Plant in India- Prospects and Perspectives**” at Dr.Zakir Hussain College, Ilayangudi, Tamil Nadu, India. (December 15-16, 2004)
- National Seminar on “**Ecological Balance and Sethusamudram Canal**” at Dept of Oceanography and Coastal Area Studies, Alagappa University, Thondi, Ramnad Dist Tamil Nadu, India. (October 1-3, 2004)
- National Seminar on “**Bioinformatics**” at Malankara Catholic College, Kaliakkavilai, Tamil Nadu, India.(Aug 13,2004)
- National Symposium on “**Micro Algal Biotechnology**” at National Facility for Marine Cyanobacteria, Trichy Tamil Nadu, India. (March 11-13, 2004)
- National Seminar on “**New Frontiers in Marine Bioscience** “at National Institution of Ocean Technology, Chennai, Tamil Nadu, India. (January 22-23, 2004)

PROFESSIONAL TRAINING

- Workshop on Leveraging ICT Tools for Digital Evaluation and Outcome- Based Educations. Organized by Mastersoft, on 28.04.2023.
- One day Workshop on Mushroom Cultivation and Biofertilizer production, organized by PG & Research Department of Microbiology, Mohamed Sathak College of Arts and Science, Chennai. August 28,2019.
- **Two days International Workshop on Biomedical Applications in Translational research** (BATR – 2019) jointly organized by Alagappa University, Karaikudi and Semmeweis University, Hengary, 6th & 7th June 2019.

- Attend Indo-UK Workshop on, **AMRSan** from 5th to 8th February 2018 at the Institute of Chemical Technology, Mumbai, **Funded By Bristish council and Newton Babha fund, UK.**
- Attend Workshop on Research Based Pedagogical Tools, Organized by St.Joseph College, Bengaluru and IISER, Pune, India (4th- 6th October, 2017) **Funded By IISER Pune.**
- Attend Indo UK workshop on Nanomaterial on Water Purification, Organized by Nanoscience and Nanotechnology, School of Chemical Science, Mahatama Gandhi University, Kottayam, Kerala, India (December,12-16,2016)
- Attend Indo-UK workshop on “**Small Molecule Discovery and Chemical Biology**”, Organized by Centre for Nanomedicine and Nanotechnology, Sathyabama University, Chennai, India, (February 4, 2015).
- Attend Workshop on “**Radiation Biology and its Application**” Organized by IGCAR, Kalpakkam and Department of Biosciences, Mohamed Sathak College of Arts & Science, Chennai, India (June 30 2014)
- Attend **Workshop and Training on Sequence Analysis and Molecular Simulation**, Organized by Centre for Biotechnology, Anna University, Chennai, Tamil Nadu,India. **Funded By Department of Biotechnology, Govt. of India, New Delhi** (11 December to 14,2013)
- Attend **Short term training on Microbial Diversity & Gene prospecting through Metagenomics**, Organized by Department of Agricultural Microbiology, College of Horticulture, Kerala Agricultural University, Thrissur, **Funded By Department of Biotechnology, Govt. of India, NewDelhi** (16 January to 5 February 2013).
- Attend **UNU-INWEH-UNESCO International Training course on Coastal Biodiversity In Mangrove Ecosystem**, Organized by Centre of Advanced Study in Marine Biology Annamalai University, India **Funded by UNESCO** (November 03-17,2008)
- Attend **Indo-Ukraine Workshop On Biotechnology In Salt Work System of South India**, Center for Marine Science and Technology, Manonmaniam Sundaranar

University, Rajakkamangalam and Institute of Biology of Southern Sea, National Academy of Science of Ukraine, Ukraine. (December 6-16, 2004)

- Attend **State level Workshop on Structure Solving by Powder X-Ray Diffraction (SLWSSP-XRD 2011)**, Organized by School of Physics, Alagappa University, Karaikudi, India (26-27 July 2011)
- Attend **National Workshop on Recent Trends in Life Science**, Organized by Ananda College, Devakottai, Tamil Nadu, India (7-9 January 2011)
- Attend **National Workshop on Application of Molecular Modelling and Structural Bioinformatics**, Organized by Department of Bioinformatics, Alagappa University, Tamil Nadu, India (27-29 January 2010)
- Attend **National Workshop on Scientific Validation of Traditional Herbal Medicine**, Organized by Department of Botany, Bharathiar University, Tamil Nadu, India (16&17 December 2009)
- Attend **Immunotechnology** Training in **BIIOGENIC** held on April 20 – 30, 2006 at Namakkal District, TamilNadu, India.

TECHNIQUES KNOWN

- Immunotechnology- ELISA, Immuno electrophoresis
- Extraction and purification of compounds- Rotary flash evaporator, Lyophilaiser, TLC, Column chromatography, GC – MS, NMR
- Gel techniques, PCR technique (RAPD, RFLP)
- Basic microbiology & biotechnology
- Tissue culture techniques
- Mosquito collection, larval rearing, and identification of different mosquitoes, Larvicidal activity and Repellent activity
- *Plasmodium falciparum* culture maintenance, *In vitro* screening of antiplasmodial compounds and *In vivo* screening of antiplasmodial compounds.
- Collection, Identification and Extraction of Bioactive Compounds from Marine Halophytes

and Marine Microorganisms.

**FOREIGN
VISITED**

- *Dubai, Saudi Arabia, Nepal, Pakistan, China, Shenzhen*

**INTERNATIONAL/
NATIONAL
CONFERENCE
COMMITTEE**

- **World Academy of Science, Engineering and Technology (UK).**
- **National conference on Natural Products as Therapeutics, Medical microbiology, Nanobiology and System Biology: Current Scenario and Emerging Trends**, held at Department of Biosciences, Mohamed Sathak College of Arts and Sciences, Sholinganallur, Chennai – 119 on 18th and 19th September 2014.

**MEMBER IN
SCIENTIFIC
COMMUNITY**

1. **European Society of Clinical Microbiology and Infectious Disease, Europe
(Member ID:123822)**
2. **Life member of National Academy of Vector Borne Diseases, India.
(Member ID: 258)**
3. **Life member of International Society Applied Life sciences, Iran
(Member ID:1272013)**
4. **International Society For Environmental Science Information, Canada**
5. **International Society for infectious Diseases, Brookline, MA,USA**

**ADVISORY BOARD
MEMBER**

1. **World Journal of Pharmacy and Pharmaceutical Sciences**
2. **Universal Association of Computer and Electronics Engineers**
3. **World Journal of Publisher-Regional Editor 2014**
4. **Indian Journal of pharmaceutical and biological research-2014**
5. **World Academy of Science, Engineering and Technology**
6. **International Scientific Committee and Editorial Board on Medical and Biological Science.**

REFERENCES

1. **Dr. S. Ravikumar**
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