

Dr.ANITA MARGRET A

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Qualification

Degree	Branch	Institution / University	Year of Passing
M.Sc.in Psychology	Psychology	Alagappa University	2022
Ph.D. in Biotechnology	Biotechnology	Bharathidasan University	2018
M.Sc.in Biotechnology	Biotechnology	Bharathidasan University	2005
B.Sc.Zoology (Spl.Biotechnology)	Zoology	Lady Doak College,Madurai Kamaraj University	2003
M.Phil.in Biotechnology	Biotechnology	Bharathidasan University	

Ph.D. Details

Title of Thesis		Area of Specialization	
Polymeric nanocomposites as proficient drug carriers to combat depression		Nano Medicine	
Research Supervisor	Research Centre	Year of Award	
Dr.T.Nargis Begum	Department of Biotechnology,Jamal Mohamed College	January ,2018	

Cleared NET / SET :	Details	Year of Passing
SET	2501754	March,2016

Additional Qualification

Name of Course	Place of Study	Date	Duration
M.Sc. Psychology	Alagappa University	June 2022	2 years
Virtual Value Added Course on Adolescent Counselling	P.G.Research Department of Social Work	July ,2021	1 month
"Remote Sensing Applications in Agricultural Water Management"	IIRS outreach network centre, HOLY CROSS COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI, TAMIL NADU.	August 2020	

Work Experience

Name of Institution	Address of Institution	Designation	From	To
N.M.S.S.V.N. College	Nagamalai Pudhukottai Madurai	Lecturer	07.03. 2007	30.05. 2009
Bishop Heber College	Puthur, Tiruchirappalli	Assistant Professor	17.06.2009	31.05.2017
Thiagarajar College	Thepakulam ,Madurai	Assistant Professor	25.10.2017	30.04.2019
BHC	Tiruchirappalli	Assistant Professor	10.06.2019	Till date

Teaching / Research Experience

U.G. : 6yrs **P.G. :** 13yrs 6 mon **M.Phil.** **Ph.D.**

Research Guidance

U.G. : 3 yrs **P.G. :** 13 yrs 6 month **M.Phil. :** **Ph.D. :**

Field Experience

Type	Name of the Sector	Designation	From	To
Industry	KM BIOMED	TECHNICAL AND PRODUCT DEVELC	2006	2007

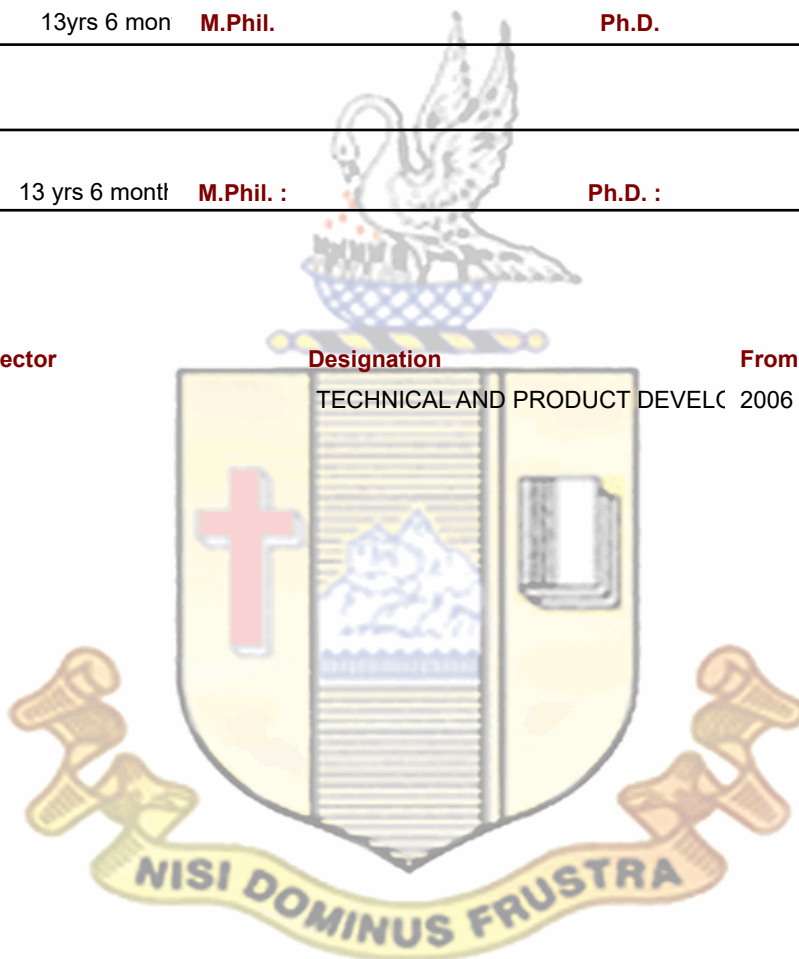


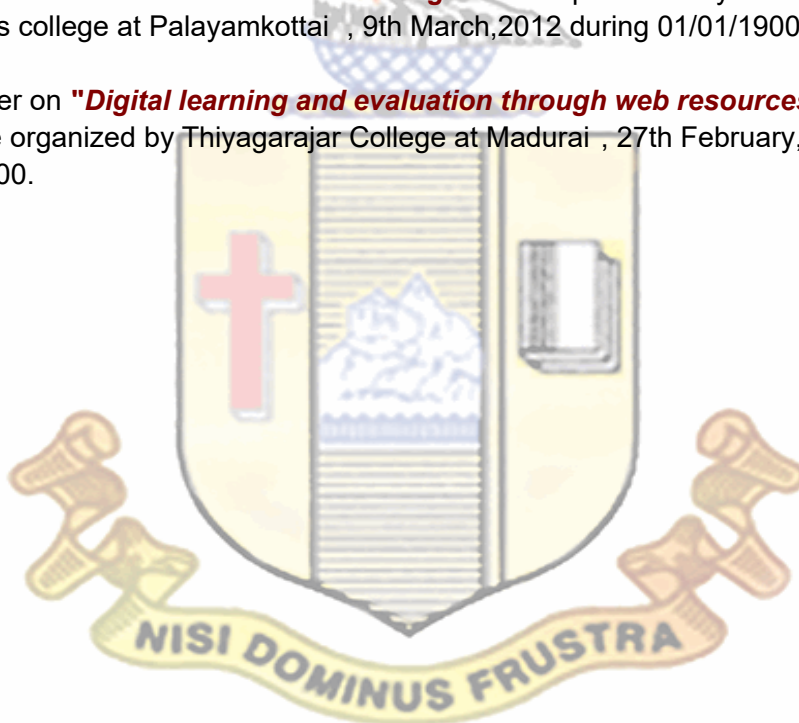
Table of Contents

1.	Conferences / workshops / Seminars Attended	35
2.	Research Papers Presented	21
3.	Publication in Journals	30
4.	Publication in Books	0
5.	Books Published / Edited	3
6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	5
8.	Resource Person	6
9.	Consultancy	1
10.	Awards Recieved	11
11.	Patent	1
12.	Extension Activities Undertaken	0
13.	Professional Membership	3
14.	M.Phil. / Ph.D. Produced	0 / 1

1. National level Seminar on **"The national seminar on structural Bioinformatics NSSB 2009"** sponsored by Manonmanian Sundaranar University organized by Manonmanian Sundaranar University at 29th & 30th January 2009, Tirunelveli during 01/01/1900 to 01/01/1900.
2. National level Seminar on **"National Seminar on Impact of Biotechnology on Environment and Health Issues"** sponsored by National Seminar on Impact of Biotechnology on Environment organized by Department of Biotechnology, Bishop Heber College at 21st March 2012, Tiruchirappalli during 01/01/1900 to 01/01/1900.
3. National level Seminar on **"The national level seminar on special lectures in biosciences"** sponsored by Bharathidasan University organized by Bharathidasan University at 31st March– 1st April 2004, Tiruchirappalli during 01/01/1900 to 01/01/1900.
4. National level Conference on **"9th National Level Biological Congress on "Biotechnology; Great Expectations & Achievements (MCAS -BIO 2010)"** sponsored by Muthayammal college of Arts and Sciences organized by Muthayammal college of Arts and Sciences at : 8th & 9th January 2010, Rasipuram during 01/01/1900 to 01/01/1900.
5. Regional level Workshop on **"workshop on "Fermentation Technology"** sponsored by School of Engineering and Technology Scigenics India Pvt. Ltd. organized by School of Engineering and Technology, in collaboration with Scigenics India Pvt. Ltd. held at Bharathidasan University. at Tiruchirappalli during 01/01/1900 to 01/01/1900.
6. State level Workshop on **"Nanoscience and Technology in Diagnostic Application in Drug Delivery" held at VHNSN College,"** sponsored by VHNSN College organized by VHNSN College at Virudhunagar on 11th & 12th August .2008 during 01/01/1900 to 01/01/1900.
7. Regional level Workshop on **"workshop on Structural Bioinformatics and Protein 3D structure"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli on 28th July 2014 during 01/01/1900 to 01/01/1900.
8. State level Workshop on **"workshop on Protein separation technique and molecular docking studies (PRODOCK -2014"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, 21st & 22nd March 2014 during 01/01/1900 to 01/01/1900.
9. Regional level Summer School on **"Intensive training and gained onsite experience in chromatographic techniques (GC, HPLC) and basic bacteriological aseptic handling procedures"** sponsored by Madurai Kamaraj University, Department of Molecular Microbiology organized by Madurai Kamaraj University, Department of Molecular Microbiology at Madurai during 01/01/1900 to 01/01/1900.
10. Regional level Orientation on **"orientation programme on effective teaching"** sponsored by NMSSVN College organized by NMSSVN College at Madurai, 11th August, 2007 during 01/01/1900 to 01/01/1900.
11. Regional level Orientation on **"Capacity building programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, 25th February 2012 during 01/01/1900 to 01/01/1900.
12. Regional level Workshop on **"DBT sponsored Two day workshop on "Curriculum design and evaluation techniques"** sponsored by DBT organized by Tiruchirappalli on 21st -22nd November, 2016 at Tiruchirappalli on 21st -22nd November, 2016 during 01/01/1900 to 01/01/1900.
13. Regional level Refresher on **"Faculty empowerment programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli, 14th June, 2017 during 01/01/1900 to 01/01/1900.
14. Regional level Refresher on **"Effective evaluation methodologies"** sponsored by Thiyagarajar College organized by Thiyagarajar College at Madurai, 26th February, 2018. during 01/01/1900 to 01/01/1900.
15. Regional level Refresher on **"Faculty Developmental Programme Train the trainers on mind mapping and stress management"** sponsored by the Deanery of Sciences Bishop Heber College, Tiruchirappalli. organized by the Deanery of Sciences Bishop Heber College, Tiruchirappalli. at Tiruchirappalli 5th March & 6th March 2021 during 01/01/1900 to 01/01/1900.

16. National level Refresher on "**3- Days Faculty Development Program on research methodology**" sponsored by Bon Secours College for Women organized by Bon Secours College for Women at Thanjavur (29th April -1st May 2020) during 01/01/1900 to 01/01/1900.
17. International level Workshop on "**An educational webinar on Effective Proposal Writing to Secure Research Funding**" sponsored by LetPub Learning Nexus,U.S.A organized by LetPub Learning Nexus,U.S.A at online,May 15 2020 during 01/01/1900 to 01/01/1900.
18. National level Refresher on "**2 Weeks Refresher Course On Data Analysis with Statistical Methods (Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R)**" sponsored by conducted by Ministry of Human Resource Development ,Pandit Mohan Malaviya ,National Mission on Teachers and Teaching 2 organized by conducted by Ministry of Human Resource Development ,Pandit Mohan Malaviya ,National Mission on Teachers and Teaching 2 at online,21st December, 2020 - 3rd January, 2021 during 01/01/1900 to 01/01/1900.
19. National level Refresher on "**Introduction to biological data analysis and programming languages**" sponsored by Centre for functional Genomics and Bioinformatics ,The University of Trans-disciplinary Health Sciences and Technology(TDU),Bengaluru organized by Centre for functional Genomics and Bioinformatics ,The University of Trans-disciplinary Health Sciences and Technology(TDU),Bengaluru at online 27th October -11th November,2020 during 01/01/1900 to 01/01/1900.
20. Regional level Refresher on "**Webinar on online teaching the new norm**" sponsored by QAC,Bishop Heber Colleg organized by QAC,Bishop Heber Colleg at May 21st 2020,online during 01/01/1900 to 01/01/1900.
21. Regional level Refresher on "**Capacity building programme (Special lecture on building character and competency through whole pearson education**" sponsored by IQAC Bishop Heber College organized by IQAC Bishop Heber College at online,May 21st 2021 during 01/01/1900 to 01/01/1900.
22. International level Conference on "**International symposium on "12th ADNAT – Biology of Embryonic and Adult stem cells**" sponsored by Centre of Cell and Molecular Biology (CCMB) organized by Centre of Cell and Molecular Biology (CCMB) at Hyderabad 23rd– 24th February 2008 during 01/01/1900 to 01/01/1900.
23. Regional level Orientation on "**orientation programme for science faculty members**" sponsored by NMSSVN College organized by NMSSVN College at Madurai 11th -14th February ,2009 during 01/01/1900 to 01/01/1900.
24. Regional level Workshop on "**workshop on "Examination reforms and evaluation**" sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchi 18th & 19th March 2011 during 01/01/1900 to 01/01/1900.
25. National level Workshop on "**2- Days Online Workshop on Mental Health and Psychosocial Consideration During Lockdown**" sponsored by St. Mary's College organized by St. Mary's College at Thoothukudi (13th -14th May 2020) during 01/01/1900 to 01/01/1900.
26. State level Seminar on "**State level seminar on examination reforms**" sponsored by NMSSVN College organized by NMSSVN College at 16th February ,2008 Madurai during 01/01/1900 to 01/01/1900.
27. State level Seminar on "**Recent trends in Biology and Biotechnology**" sponsored by Jamal Mohamed College organized by Jamal Mohamed College at 25th February 2015, Tiruchirappalli during 01/01/1900 to 01/01/1900.
28. International level Workshop on "**Webinar on computational perspectives in handling biological data**" sponsored by Stella Maris College Chennai organized by Stella Maris College Chennai at online ,21st May 2020 during 01/01/1900 to 01/01/1900.
29. National level Refresher on "**One Week Virtual FDP On Digital in Smart Teaching**" sponsored by Don Bosco College (Autonomous), Maram – Manipur organized by Don Bosco College (Autonomous), Maram – Manipur at online,14th June -19th June 2021 during 01/01/1900 to 01/01/1900.

30. National level Refresher on "**One week short term programme on "Practical Approaches for next generation Sequencing and Data Analysis towards human health"**" sponsored by Department of Biotechnology, KS.Rangasamy College of Technology organized by Department of Biotechnology, KS.Rangasamy College of Technology at online, January-4th -9th 2021 during 01/01/1900 to 01/01/1900.
31. National level Seminar on "**TEQIP-II sponsored two day seminar on network pharmacology -A new horizon in drug design**" sponsored by TEQIP-II organized by Bharathidasan Institute of Technology Anna University at 30th & 31st August 2016, Tiruchirappalli during 01/01/1900 to 01/01/1900.
32. National level Conference on "**Current Concepts in Biological Research**" sponsored by Bharathidasan University, Organized by Indian Academy of Sciences, Bangalore organized by Bharathidasan University, Organized by Indian Academy of Sciences, Bangalore at 27th– 28th February 2004 , Tiruchirappalli during 01/01/1900 to 01/01/1900.
33. State level Workshop on "**State level workshop on Structural Bioinformatics on computer aided drug designing (CADD 12)**" sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli , 5th March 2012 during 01/01/1900 to 01/01/1900.
34. National level Orientation on "**Research Awareness Programme**" sponsored by DST&TNSCST organized by St.Xavier's college at Palayamkottai , 9th March,2012 during 01/01/1900 to 01/01/1900.
35. Regional level Refresher on "**Digital learning and evaluation through web resources**" sponsored by Thiagarajar College organized by Thiagarajar College at Madurai , 27th February, 2019 during 01/01/1900 to 01/01/1900.



1. **" Assessing The Probiotic Efficiency On Soil Isolates Induced With Biochar Over South Indian Indigenous Rice Variety(Kaatuyanam) - an in-situ paradigm"** in the International conference on *"International Conference on Recent Progresses in Biological Sciences"* sponsored by Department of Biotechnology (DBT), New Delhi, organized by Department of Zoology at Ayya Nadar Janaki Ammal College, Sivakasi during 4th & 5th March 2022 during 04/03/2022 to 05/03/2022.
2. **"Polymeric nano composites as dexterous drug carriers in steering up brain drug targeting: an approach to combat depression"** in the International conference on *TEQIP-II sponsored two day international conference on modern progress in Biotechnology* sponsored by , organized by Bharathidasan Institute of Technology Anna University at 9th & 10th October, 2014 , Tiruchirappalli during 10/09/2014 to 10/10/2014.
3. **"Mycosynthesis of silver nanoparticles and antibacterial effects in wound dressing"** in the National conference on *The national conference on recent advances in nanotechnology and Biosensors (NCNB 2011)* sponsored by , organized by Alagappa University at Karaikudi , 3rd – 4th March, 2011 during 03/03/2011 to 01/01/1900.
4. **"Intra specific genetical characterizations using molecular cytogenetic techniques"** in the National conference on *The national conference on Biotechnology its Advent and future promises* sponsored by , organized by Bishop Heber College at 6th January 2011 , Tiruchirappalli during 01/01/1900 to 01/01/1900.
5. **"Tridax procumbens linn A potential herb targeting human ailment."** in the International conference on *International conference on recent advances in synthetic Biology (RASB– 2015) (ISBN 978-93-80767-44-4)* sponsored by , organized by Bishop Heber College at : 8th & 9th January, 2015, Tiruchirappalli during 01/01/1900 to 01/01/1900.
6. **"Molecular docking of Isothyocynate to overcome MRR in cancer"** in the National conference on *National Seminar on Frontiers of Biosciences (FIB 2016)* sponsored by , organized by Jamal Mohamed College at 5th March, 2016, Tiruchirappalli during 01/01/1900 to 01/01/1900.
7. **"Alternative medicinal strategies to combat post natal depression among women of Kodiyalam village"** in the National conference on *6 th National Conference on Natural Sciences NACON-2016-17* sponsored by Bose Science Society, TNSRO (Tamil Nadu Scientific Research Organization), organized by Holy Cross College at 12th January, 2017, Tiruchirappalli during 01/01/1900 to 01/01/1900.
8. **"Therapeutic efficacy of traditional Indian medicine against depression"** in the International conference on *The International Congress of public welfare and technical education (ICEPW -2017)* sponsored by UNESCO (United Nations Educational Scientific and Cultural Organization), organized by Sathyamabham College of Arts and Science , Chennai. organized by Jeppiyar Educational Trust sponsored by UNESCO (United Nations Educational Scientific and Cultural Organization at 9th – 11th February, 2017 , Chennai during 01/01/1900 to 01/01/1900.
9. **"Polymeric Nanocomposites of Clitoria ternatea L articulating as antidepressant : Dexterous herb combating depression on par with Hypericum perforatum (St. Johns wort)-a synergizing study in nano scale and virtual screening"** in the National conference on *Novel approaches in cognitive and molecular neurobiology (NACMON-2015)* sponsored by , organized by Dr. ALM PGIBMS, University of Madras, Taramani at 18th March, 2015, Chennai during 01/01/1900 to 01/01/1900.
10. **"Epitomizing nanoparticulated polymeric carriers encapsulating antidepressant drug to manoeuvre brain delivery (ISBN 978-93-5174-743-7)"** in the International conference on *International conference on recent advances in bionano-science & technology (ICBRT– 2015)* sponsored by , organized by Hindusthan college of arts and science at 25th & 26th February, 2015, Coimbatore during 01/01/1900 to 01/01/1900.

11. **"Restorative strategy to instate Chitosan Oligosaccharide Lactate as smart polymer to inhibit P-Gp and contest MDR in Tumor"** in the International conference on : *International conference on cancer biology :Drug Discovery and Novel Therapeutics* sponsored by ICMR ,DBT & INSA, organized by Department of Zoology & Chemistry, Saiva Bhanu Kshatriya College at 29th &30th September ,2016, Aruppukottai during 01/01/1900 to 01/01/1900.
12. **"Inciting the efficacy of Hypericum perforatum L. as nanoparticulated herbal formulation as efficient brain drug combating depression"** in the International conference on *International seminar on bioscience and its application* sponsored by , organized by Bharathidasan University Constituent College Bharathidasan University Constituent College at 30th August ,2016, Perambalur during 01/01/1900 to 01/01/1900.
13. **"Arthrospira platensis as competent Antioxidants Combating Stress and Anxiety –an in silico and in vitro approach"** in the International conference on *International Seminar on Emerging trends in Biological Research (ETBR 2018)* sponsored by , organized by Jamal Mohamed College at 3rd March,2018, Tiruchirappalli during 01/01/1900 to 01/01/1900.
14. **"Divulging the two-fold competency of mushroom to combat depression and steering up drug delivery as a biopolymeric nanomaterial across blood brain barrier with an in silico approach"** in the International conference on *International conference on recent trends in mathematical and physical modelling and bioresource management strategies* sponsored by , organized by Thiagarajar college of Arts and Science at 12th &13th , January 2019 ,Madurai during 01/01/1900 to 01/01/1900.
15. **"Establishing Subtilisin isolated from Soil as a Potential Controller Regulating Melanogenesis"** in the International conference on *International conference on prospects of biosciences in trans disciplinary research* sponsored by , organized by Bishop Heber College at 21st &22nd , January ,2020,Tiruchirappalli during 01/01/1900 to 01/01/1900.
16. **"Therapeutic insight in appraising subtilisin screened from probiotic soil isolates targeting antibiotic associated diarrhea (AAD) – a paradigm on zebrafish models"** in the National conference on *Virtual Conference on Aqua Culture and Disease Management (ATDM)*, sponsored by , organized by Centre for Ocean Research, Co/Dr. Jeppiyar Research Park ,Sathyabhama Institute of Science and Technology at 14th to 17th September 2020,Chennai during 01/01/1900 to 01/01/1900.
17. **"Targeting Gut Microbiome by Chitosan Encompassed Nanogel to Stimulate Neurological Interactions and Embryo Development in Zebra Fish Paradigm: A Novel and Potential Therapy for Autism Spectral Disorder (ASD)"** in the National conference on *NeuroEunoia 2020: A neuroscience Affair* sponsored by , organized by Gargi College, University of Delhi at 16-17 October 2020 ,ONLINE during 01/01/1900 to 01/01/1900.
18. **"Sustainable stratagem to transform biowaste as potential biochar to enhance soil fertility-a green alternative in educational institute"** in the International conference on *International conference on "current trends in computational and experimental biology"* CT-CEB 2021 sponsored by , organized by Department of Biotechnology Bishop Heber College at online ,18th&19th march 2021 during 01/01/1900 to 01/01/1900.
19. **"Case based learning among South Indian women to explore the predisposing factors that relates gut microbiome with PCOS"** in the International conference on *Current trends in computational and experimental biology"* CT-CEB 2021 sponsored by , organized by Department of Biotechnology Bishop Heber College at 18th&19th March 2021,ONLINE during 01/01/1900 to 01/01/1900.
20. **"In silico study on bioactive compounds of paracetamol causing liver damage"** in the National conference on *National Seminar Herbal Focus 2015 "Recent trends in standardization and biological evaluation in plant drugs"* sponsored by , organized by Srimad Andavan Arts Science College at 29th & 30th September, 2015, Tiruchirappalli. during 01/01/1900 to 01/01/1900.

21. **"A stratagem to incite Clitoria ternatea an ayurvedic traditional herb as a competent brain drug on par with Hypericum perforatum to contest depression"** in the National conference on *National Conference on "New Avenues in Life sciences: Trends and Challenges"* sponsored by , organized by Dhanalakshmi Srinivasan College at 28th & 29th January, 2016, Perambalur during 01/01/1900 to 01/01/1900.



1. **"Collateral Prospects of Polyherbal Formulation as Antidiabetic and Appraising its Toxicity in Early Development of Zebrafish Danio Rerio Larvae"** published in Journal of Experimental and Molecular Biology (PEER REVIEW) Vol. , Issue No. , August 2021 ISSN : ---.
2. **"Relative profiling of L tryptophan derivatives from selected edible mushrooms as psychoactive nutraceuticals to inhibit P glycoprotein a paradigm to contest blood brain barrier"** published in BioTechnologia (PEER REVIEW) Vol. 102, Issue No. 1, January 1900 ISSN : 08607796.
3. **"Extrapolating mycochemical profile of selected wild mushrooms Sirumalai hills with the commercial cultivates and strategizing their antidepressant efficacy"** published in Acta Ecologica Sinica (PEER REVIEW) Vol. , Issue No. , January 1900 ISSN : 18722032.
4. **"Facilitating the gut brain axis by probiotic bacteria to modulate neuroimmune response on lead exposed zebra fish models"** published in Acta Scientiarum Health Sciences (SELECT) Vol. , Issue No. , January 1900 ISSN : 18078648.
Impact factor , Scopus Index , h - index 11, Citation index
5. **"Analyzing the antidepressant and drug efflux competence of Clitoria ternatea L as P glycoprotein inhibitor to facilitate blood brain barrier"** published in Acta Scientiarum Biological Sciences (PEER REVIEW) Vol. 41, Issue No. 1, January 1900 ISSN : 16799283.
Impact factor , Scopus Index , h - index 23, Citation index
6. **"A Therapeutic Paradigm to Appraise the Competence of Chitosan Oligosaccharide Lactate Targeting Monoamine oxidase A and P glycoprotein to Contest Depression by Channeling the Blood Brain Barrier"** published in Current Bioinformatics (PEER REVIEW) Vol. 12, Issue No. 7, January 1900 ISSN : 15748936.
7. **"Nanoparticulated polymeric composites enfolding lithium carbonate as brain drug in persuading depression an in vivo study"** published in Progress in biomaterials (PEER REVIEW) Vol. , Issue No. , January 1900 ISSN : ---.
8. **"Nanoparticulated herbal formulations of St. John's wort capsules (Hypericum perforatum L.) as smart drug delivery system combating depression incited in mice models"** published in Journal of Pharmacy & Pharmacognosy Research (PEER REVIEW) Vol. 5, Issue No. 3, January 1900 ISSN : ---.
9. **"An Insilico Approach to Confront Monoamine Oxidase by Synthetic and Herbal Antidepressant Drug"** published in International Journal of Computer Applications (PEER REVIEW) Vol. , Issue No. , January 1900 ISSN : ---.
Impact factor , Scopus Index , h - index 5, Citation index
10. **"Study of intraspecific genetical characterizations by cytogenetic analysis"** published in Scrutiny International Research Journals of Microbiology and Bio Techniques (PEER REVIEW) Vol. 5, Issue No. 2, January 1900 ISSN : ---.
11. **"Antimicrobial activity of silver nanoparticles stabilized by green strategy using Clitoria ternatea Linn"** published in Letters in Applied Nano Bioscience (PEER REVIEW) Vol. 3, Issue No. 3, January 1900 ISSN : ---.

12. **"Combined antibacterial activity of antibiotics and biosynthesized silver nanoparticles from broccoli Brassica oleracea"** published in International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. 4, Issue No. 2, January 1900 ISSN : ---.
13. **"Steering up brain drug targeting:an in-silico approach to combat the drug efflux permeability glycoprotein (p-gp) with antidepressant drug venlafaxin and phytocompounds of Clitoria ternatea"** published in International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. 4, Issue No. 2, January 1900 ISSN : 23198142.
14. **"Marvelous medicinal mushrooms"** published in The International Journal of Pharma and Bio Sciences (PEER REVIEW) Vol. 3, Issue No. 1, January 1900 ISSN : 09756299.
15. **"Preliminary investigation on multi metal tolerance of Bacillus thuringiensis isolated from industrial effluent soil"** published in Acta Ecologica Sinica (PEER REVIEW) Vol. , Issue No. , January 1900 ISSN : 18722032.
16. **"Computational gene expression profiling in the exploration of biomarkers non coding functional RNAs and drug perturbagens for COVID19"** published in Journal of biomolecular structure and dynamics (PEER REVIEW) Vol. , Issue No. , January 1900 ISSN : 15380254.
17. **"An in silico study of Lignans as Selective Estrogen Receptor Modulators to Treat Viral Infections"** published in International Research Journal of Biological Sciences (PEER REVIEW) Vol. 8, Issue No. 3, January 1900 ISSN : ---.
18. **"Gold nanoparticles synthesized by Brassica oleracea (Broccoli) acting as antimicrobial agents against human pathogenic bacteria and fungi"** published in Applied Nanoscience (PEER REVIEW) Vol. 1, Issue No. , January 1900 ISSN : ---.
19. **"Heterogeneity in telomere length on human chromosome"** published in The International Journal of Pharma and Bio Sciences (PEER REVIEW) Vol. 3, Issue No. 2, January 1900 ISSN : ---.
20. **"HPTLC fingerprint analysis of Solanum xanthocarpum fruit and its antibacterial activity"** published in International Journal of Pharmaceutical Science Invention (PEER REVIEW) Vol. 1, Issue No. 5, January 1900 ISSN : ---.
21. **"In Silico Analysis of Andrographolide against Cancer"** published in International Journal of Pharmaceutical Sciences and Drug Research (PEER REVIEW) Vol. 5, Issue No. 2, January 1900 ISSN : ---.
22. **"Novel diagnostic tool to detect vitamin B6 using Fe3O4 modified glassy carbon electrode a rapid technique to assay bioclinical samples"** published in The International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. 2, Issue No. 5, January 1900 ISSN : 23198141.
23. **"Marvelous medicinal mushrooms"** published in The International Journal of Pharma and Bio Sciences (PEER REVIEW) Vol. 3, Issue No. 1, January 1900 ISSN : 09756299.

24. **"Mycosynthesis of silver nanoparticles and antibacterial effects in wound dressing"** published in International Journal of Pharmaceutical Sciences and Research (PEER REVIEW) Vol. 3, Issue No. 6, January 1900 ISSN : 23205148.
25. **"A Comparative study on Biopolymeric Nano particles as effective carriers for Antidepressant drug delivery system"** published in International Journal of Pharma Sciences and Research (PEER REVIEW) Vol. 3, Issue No. 4, January 1900 ISSN : 23205148.
26. **"Appraising the neuroprotective competence of nitrogen enriched Arthrospira platensis in comparison to commercial resource in depressed mice models"** published in Journal of Reports in Pharmaceutical Sciences (PEER REVIEW) Vol. 8, Issue No. 2, January 1900 ISSN : 23225106.
27. **"Polymeric nano composites as dexterous drug carriers in steering up brain drug targeting: an approach to combat depression"** published in Asian Journal of Microbiology Biotechnology and Environmental Science (PEER REVIEW) Vol. 17, Issue No. 1, January 1900 ISSN : ---.
28. **"Invigorating Clitoria ternatea L an Ayurvedic traditional herb as a competent brain drug on par with Hypericum perforatum L to contest P glycoprotein across the blood brain barrier"** published in Indian journal of Traditional knowledge (PEER REVIEW) Vol. 14, Issue No. 4, January 1900 ISSN : 072399809751468. h - index 33, Citation index
29. **"Post Natal Depression A Concealed Menace Among South Indian Women A Systematic Observational Analysis"** published in Asian Journal of Advances in Medical Science (PEER REVIEW) Vol. 3, Issue No. 4, January 1900 ISSN : ---.
30. **"Intermodulation of gut lung axis microbiome and the implications of biotics to combat COVID 19"** published in Journal of biomolecular structure and dynamics (PEER REVIEW) Vol. , Issue No. , January 1900 ISSN : 07391102 15380254.

Books Published / Edited

- 3

- * . **Stratagems of nanotechnology augmenting the bio availability and therapeutic efficacy of traditional meAdvancing Medicine through Nanotechnology and Nanomechanics Applications..** : IGI Global book series Advances in Medical Technologies and Clinical Practice AMTCP USA , January 2016.
- * Anita Margret A . **Advances in phytopharmaceuticals for human health.** : Apple academic press, Taylor and Francis CRC , January 1900.

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Young Scientist Award for The Academic Year 2021 & 2022 Under Life Science Category Bishop Heber College, Tiruchirappalli	Bishop Heber College	01/05/2022	COLLEGE	Bishop Heber College	
Young Faculty Award	Tamil Nadu Association of Intellectual and Faculty (TAIF) INSA	01/05/2022	NATIONAL	GRABS Association	
2020 IASc-INSA-NASI Summer Research Fellowship for Teachers 2020 by Indian Academy of Sciences at Pondicherry University, Puducherry	INSA	01/01/2020	NATIONAL	Indian Institute of Science	
Best paper award (II prize) under non-sci indexed journal	Nature Science Foundation, and Krishnammal College, Coimbatore	01/01/2019	SELECT	Natural Science Foundation	
Women scientist award – 2019 Novel academy of research Institute, Puducherry	Novel academy of research Institute, Puducherry	01/01/2019	NATIONAL		
Prestigious IRDP Award 2018 - "Teaching and Research Excellence". IRDP group of journals, Chennai		01/01/2018	NATIONAL	Innovative Research Developers and Publishers (IRDP)	
Young Scientist Award for The Academic Year 2017 Under Life Science Category Bishop Heber College, Tiruchirappalli	Bishop Heber College	01/01/2017	COLLEGE	Bishop Heber College	
Har Gobind Khorana Memorial Best Young Investigator Award 2016 for Biotechnology	TNSRO (Tamil Nadu Scientific Research Organization), India	01/01/2016	NATIONAL	Bose Science Society	
Young Scientist Award for The Academic Year 2016 Under Life Science Category Bishop Heber College, Tiruchirappalli	Bishop Heber College	01/01/2016	COLLEGE	Bishop Heber College	
Best Researcher Award for The Academic Year 2021(Junior) Under Life Science Category Bishop Heber College	Bishop Heber College	01/01/1900	COLLEGE	Bishop Heber College	

RESEARCH PROJECTS

- 5

1. Minor project entitled **"Assessing the probiotic efficiency on soil isolates induced with biochar over South Indian indigenous rice variety- Kaatuyanam"** (*PRINCIPAL INVESTIGATOR*), Sponsored by Students Project Scheme TNSCST, during 01/02/2022 to 5/6/2022 [Completed].
2. Minor project entitled **"Discerning efficient probiotic isolates to target gut health from biochar enriched soil derived from domestic waste as biomass management in educational institution-a green alternative"** (*PRINCIPAL INVESTIGATOR*), Sponsored by Faculty research Minor Project, during 16/12/2020 to 8/11/2021 [Completed].
3. Minor project entitled **"Modulation of maternal gut biome by lactobacillus strain to stimulate neuro-protectant and immunoregulatory effects of on depression induced zebrafish models by methyl mercury"** (*PRINCIPAL INVESTIGATOR*), Sponsored by Students Project Scheme TNSCST, during 01/01/1900 to [Completed].
4. Minor project entitled **"Polymeric Nano Composites as drug carriers targeting blood brain barrier an approach to restrain adverse effects of antidepressants in post natal depression"** (*SELECT*), Sponsored by ICMR, during 01/01/1900 to [Completed].
5. Minor project entitled **"A Comparative study on Biopolymeric Nano particles as effective carriers for Antidepressant drug delivery system. Stabilizing silver nanoparticles using Broccoli (Brassica oleracea): A green strategy as an antimicrobial agent"** (*PRINCIPAL INVESTIGATOR*), Sponsored by Faculty research Minor Project, during 01/01/1900 to [Completed].

PROFESSIONAL MEMBERSHIP

- 3

- * LIFE TIME MEMBER-TEACHING FACULTY IN BIOTECHNOLOGY of BOSE SCIENTIFIC SOCIETY during 01/01/1900 -
- * LIFE TIME MEMBER-TEACHING FACULTY IN BIOTECHNOLOGY of TAMILNADU ASSOCIATION OF INTELLECTUAL FACULTY during 01/01/1900 -
- * LIFE TIME MEMBER-TEACHING FACULTY IN BIOTECHNOLOGY of GRABS ASSOCIATION during 01/01/1900 -

TRAINING PROGRAMME

- 2

- # NATIONAL level ONLINE SUMMER TRAINING on **"Online Summer Research Training Program on Bio-prospection and Product Development using Medicinal and Aromatic Plants"** Sponsored by CSIR-Central Institute of Medicinal and Aromatic Plants, Organized by CSIR -NEIST at 05 August - 17th September, 2020 during 01/01/1900 - 01/01/1900.
- # SELECT level ONLINE SUMMER TRAINING on **"CSIR- Online summer training research program (CSIR-STRP)"** Sponsored by CSIR -STRP (SUMMER TRAINING RESEARCH PROGRAM), Organized by CSIR -NEIST at 05 August - 17th September, 2020 during 01/01/1900 - 01/01/1900.

RESOURCE PERSON

- 6

1. National level Seminar on **"Paradigm on zebra fish to modulate gut microbiome brain axis The key to facilitate healthy life Zebra fish lecture series"** at Centre for Molecular and Nanomedical Sciences Sathyabhama Institute of Science and Technology, Chennai, 09/07/2021.
2. College level Invited Lectures on **"Strategems of Nanoscience in Drug Delivery & Mental Stimulation Studie"** at Department Zoology ,N.M.S.SV.N College Madurai on 27th March ,2018, 01/01/1900.
3. National level Workshop on **"Winter school on Molecular techniques" Organized by National Centre of Excellence in Statistical and Mathematical Modelling on Bioresource Management, Ministry of Human Resource Development (MHRD),New Delhi and Thiagarajar College"** at Thiagarajar College ,Madurai on 23rd to 28th November ,2017, 01/01/1900.
4. National level Workshop on **"National level workshop on Applications of Statistical Methods in Biological Research"** at K.S.Rangasamy College of Arts & Science ,Tiruchengode,Tamil Nadu,India on 8th and 9th September ,2016., 01/01/1900.
5. College level Invited Lectures on **"Applications of nanotechnology in bioscience"** at Nadar Saraswathi College,Theni, 01/01/1900.
6. College level Chair Person on **"Classical Vocal"** at Holy Cross College, Tiruchirappalli, 01/01/1900.

JOURNAL REFEREE

1. **Member** of International Journal *"Journal of Biomolecular Structure & Dynamics"*(vol.) at during 01/01/1900 - .

CONSULTANCY

- 1

State Technical writing from August 2021 - 12/15/2021.

PATENT

- 1

Type	Nature	Patent No.	Status	Month & Year
NATIONAL		202121015867 A	APPLIED	4/1/2021 12:00:00

Additional Information

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Signature of Staff
(ANITA MARGRET A)

11/05/2025

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