

Mrs.J.JOONU

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Department of Zoology,
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Qualification

Degree	Branch	Institution / University	Year of Passing
M.Phil.Zoology	Crustacean biology	Bharathiar University	2008
M.Sc.Zoology		Bharathidasan University	2006
B.Sc.Zoology		Bharathidasan University	2004
Ph.D Zoology	Zoology	Bharathidasan University	07-09-2016
Ph.D Zoology		Bharathidasan University	awaiting viva

Ph.D. Details

Title of Thesis	Area of Specialization	Research Supervisor	Research Centre	Year of Award
Bacterial metalloregulation and antibiotic resistant character from a heavy metal polluted environment	Zoology	Dr.Horne Iona Averal	Holy Cross College	07-09-2016

Additional Qualification

Name of Course	Place of Study	Date	Duration
DCA	Co-operative centre	Jan 2006	6 months
PGDBI	Bharathiar university	2007	1 year
Bacterial Genomes: From DNA to Protein function using Bioinformatics	Future Learn,WELLCOME GENOME CAMPUS ADVANCED COURSES AND SCIENTIFIC CONFERENCES	MAY 2020	2 WEEKS 5 HOURS

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Holy Cross College	Holy Cross College Singarathope, Trichy-620001	Asst.Professor	June 2009	April 2010
Bishop Heber College	Bishop Heber College, Vayalur road, Trichy-620021	Asst.Professor	2011	till date

Teaching / Research Experience

U.G. : 7 P.G. : 5 M.Phil. Ph.D.

Research Guidance

U.G. : P.G. : 5 M.Phil. : Ph.D. :

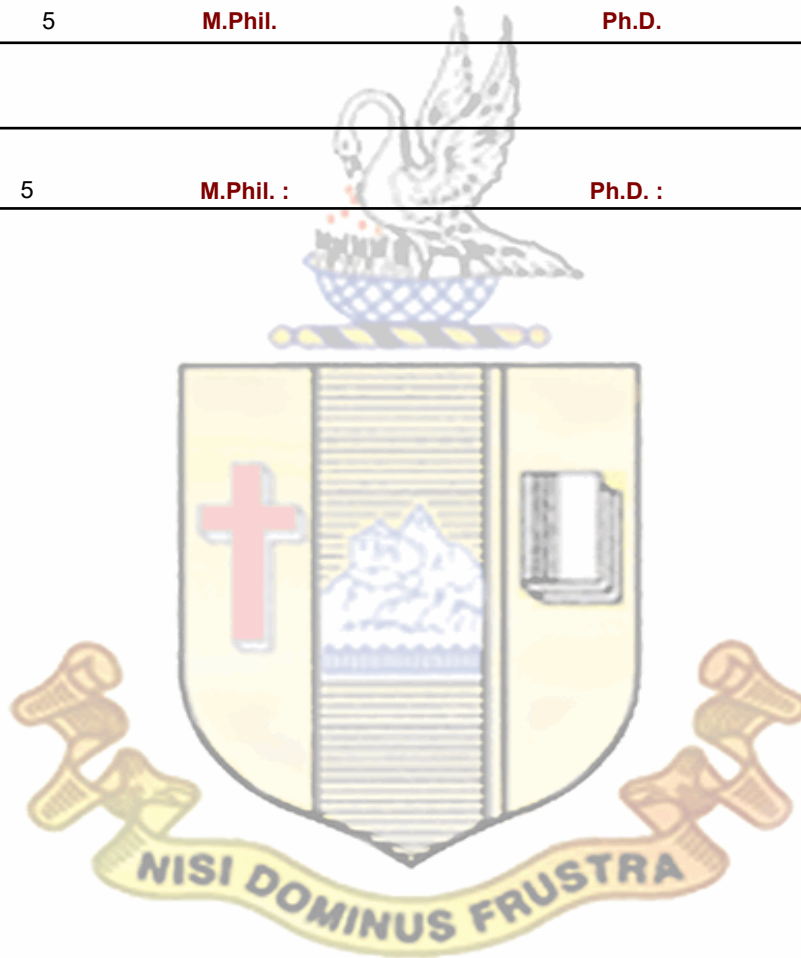


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6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	0
8.	Resource Person	0
9.	Consultancy	1
10.	Awards Recieved	1
11.	Patent	0
12.	Extension Activities Undertaken	1
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 5

1. National level Seminar on **"An Introduction to 3D Bioprinting"** sponsored by Association amount organized by Bishop Heber College at Trichy during 24/10/2021 to 24/10/2021.
2. National level Orientation on **"Four day capacity building Program"** sponsored by Association amount organized by Bishop Heber College at Tiruchirappalli during 13/10/2021 to 16/10/2021.
3. International level Seminar on **"Intewrnational Webinar on Biomedical Research"** sponsored by Association organized by Bishop Heber College at Trichy during 12/03/2021 to 12/03/2021.
4. National level Orientation on **"International Tiger Day"** sponsored by Association amount organized by Bishop Heber College at Tiruchirappalli during 29/06/2020 to 29/07/2020.
5. National level Seminar on **"5 days FDP-Role of Google Apps and Blogs Services in Higher Education"** sponsored by ALAPAN (Academy for Language Advancement & Progressive Attitude Nurturing)Haldia, West Bengal organized by ALAPAN (Academy for Language Advancement & Progressive Attitude Nurturing)Haldia, West Bengal at West Bengal during 25/05/2020 to 29/05/2020.
6. College level Seminar on **"Webinar on unlocking online evaluation"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 22/05/2020 to 01/01/1900.
7. -1 level Seminar on **"Webinar on online Teaching: New Norm"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 21/05/2020 to 01/01/1900.
8. National level Orientation on **"Webinar on Online Teaching:The New Norm"** sponsored by Bishop Heber COLLEGE organized by Bishop Heber COLLEGE at during 21/05/2020 to 21/05/2020.
9. -1 level Seminar on **"FDP-Application of Google Classroom as a Tool for Teaching and Learning Process"** sponsored by HARSH Educational Trust (A Minority Educational Trust Reg.No.4/2010/BK4) Working for Empowerment organized by HARSH Educational Trust (A Minority Educational Trust Reg.No.4/2010/BK4) Working for Empowerment at during 11/05/2020 to 13/05/2020.
10. National level Seminar on **"FDP-Tips and Strategies for Publishing in Science"** sponsored by Research Culture Promotion CellLady Doak College, Madurai. organized by Research Culture Promotion CellLady Doak College, Madurai. at Madurai during 29/04/2020 to 01/01/1900.
11. State level Workshop on **"An overview of NGS methods, NGS file formats and Data Analysis& Variant Analysis of NGS Data using Galaxy Server."** sponsored by Dept.Of.Biotechnology organized by Dept.Of.Biotechnology at Bishop Heber College during 23/01/2019 to 01/01/1900.
12. National level Workshop on **"Forest management by recent spatial Technologies & Atmosphere Modelling"** sponsored by Dept of Environmental Science organized by Dept of Environmental Science at Bishop Heber College during 13/12/2018 to 01/01/1900.
13. State level Workshop on **"Forest and wildlife conservation program"** sponsored by DBT-Star College organized by Dept of zoology at Bishop Heber College during 13/11/2018 to 14/11/2018.
14. College level Conference on **"Hands on training on e-content Development"** sponsored by UGC organized by IQAC at Bishop Heber College during 12/07/2018 to 01/01/1900.
15. College level Workshop on **"Molecular and Immunological techniques"** sponsored by DBT-Star College organized by Department of Zoology at Bishop Heber College during 19/02/2018 to 20/02/2018.
16. College level Workshop on **"Discovery and development of novel therapeutics through insilico methods"** sponsored by Dept.Of.Biotechnology organized by Dept.Of.Biotechnology at Bishop Heber College during 14/02/2018 to 15/02/2018.

17. -1 level Conference on **"HBIETC-2017"** sponsored by UGC organized by PG and Research Dept of Zoology and Biotechnology at Poondi Pushpam College during 17/08/2017 to 18/08/2017.
18. National level Seminar on **"Faculty Enrichment Seminar"** sponsored by AIACHE organized by AIACHE at New Delhi during 03/06/2017 to 09/06/2017.
19. National level Seminar on **"Leadership training"** sponsored by UBCHEA organized by St.Christophers college of Education, Chennai at Vepery, Chennai during 16/02/2017 to 18/02/2017.
20. College level Workshop on **"Molecular & Immunological techniques"** sponsored by DBT-Star college organized by Dept of zoology at BHC, Trichy during 06/02/2017 to 07/02/2017.
21. College level Seminar on **"Faculty Empowerment"** sponsored by IQAC organized by Bishop Heber College at BHC, Trichy during 27/01/2017 to 28/01/2017.
22. International level Conference on **"BioDiversity and Bioactive Natural products for Human Welfare"** sponsored by ICMR and DBT organized by Department of Botany at Govt Arts College, Karur during 10/02/2016 to 12/02/2016.
23. National level Seminar on **"Certificate Programme on Good Laboratory Practices & IPL"** sponsored by Kavin Bioresearch organized by PG rResearch Dept Of Zoology at Holy Cross College during 23/02/2015 to 24/02/2015.
24. International level Conference on **"International conference on Recent Advances in Synthetic Biology"** sponsored by UGC organized by Dept.Of.Biotechnology at Bishop Heber College during 08/01/2015 to 09/01/2015.
25. National level Workshop on **"Recent Trends in Biology and Biotechnology"** sponsored by IAS, Bengaluru & National Academy of Sciences organized by PG Research Dept. of Biotechnology at Jamal Mohamed College during 29/01/2014 to 31/01/2014.

Research Papers Presented

- 2

1. **"Identification of Zinc resistance efflux transporter CZC genes n Bacillus cereus, Enterobacter asburiae and Pseudomonas aeruginosa isolated from BHEL industry, Tamilnadu"** in the National conference on *National conference on CAMB 2017* sponsored by DST-SERB, organized by Dept. of Biotechnology & Bioinformatics, Bishop Heber College at Trichy during 03/02/2017 to 03/02/2017.
2. **"Bacterial metal resistance in relation to pH, salinity and temperature"** in the National conference on sponsored by , organized by Department of Biotechnology at Jamal Mohamed College during 16/03/2015 to 16/03/2015.

1. **"ENRICHMENT OF *Artemia franciscana* AND TOXICITY ANALYSIS OF CHLORPYRIFOS ON ENRICHED ARTEMIA"** published in Uttarpradesh journal of Zoology (PEER REVIEW) Vol. 42, Issue No. 22, November 2021 ISSN : 0256-971X (P).
Impact factor , Scopus Index , h - index 2, Citation index
2. **"A STUDY ON STATUS OF SMALLER MAMMALS IN TRICHY FOREST RANGE, TIRUCHIRAPPALLI-TAMIL NADU, INDIA"** published in Uttarpradesh journal of Zoology (PEER REVIEW) Vol. 42, Issue No. 20, October 2021 ISSN : 0256-971X (P).
3. **"BIODEGRADATION OF HIGH DENSITY POLYETHYLENE BY BACTERIA ISOLATED FROM SOIL COLLECTED AT ARIYAMANGALAM DUMPSITE"** published in Uttarpradesh Journal of Zoology (PEER REVIEW) Vol. 42, Issue No. 11, May 2021 ISSN : 0256-971X.
Impact factor , Scopus Index , h - index 2, Citation index
4. **"Pharmacological Importance and Plasticizers of BIS (2-ethylhexyl) phthalate Phenylsilane and 17-Pentatriacontene, Artemiseole and 24 (S)- Ethyl-3-alpha, 5.alpha-cyclocholest-22 (E)-en-6-one: Unique Intermediary Biodegraded Products of LDPE obtained through LDPE Degrading Bacteria using FT-IR, GC-MS and SEM Analysis."** published in Indian Journal of Natural Sciences (PEER REVIEW) Vol. 10, Issue No. 60, April 2020 ISSN : 0976-0997.
Impact factor , Scopus Index , h - index , Citation index WEB OF SCIENCE
5. **"Anti-microbial , phytochemical analysis and cytotoxic screening of Ajwain"** published in 0976-0997 (PEER REVIEW) Vol. 10, Issue No. 59, April 2020 ISSN : ---.
Impact factor , Scopus Index , h - index , Citation index WEB OF SCIENCE
6. **"Phytochemical and Pharmacological Properties of *Caesalpinia bonducella* with Cytotoxic Screening: HPLC Analysis Proves the Presence of Phloroglucinol, Catechol and Resorcinol"** published in Indian Journal of Natural Sciences (PEER REVIEW) Vol. 10, Issue No. 60, April 2020 ISSN : 0976-0997.
Impact factor , Scopus Index , h - index , Citation index WEB OF SCIENCE
7. **"Analysis and production of methane gas from methanogenic bacteria of cow dung"** published in Scientific information and Technological Board of Sadhana (SITBS) (PEER REVIEW) Vol. 10, Issue No. 3, March 2019 ISSN : 22772723.
8. **"Analysis of Phytochemical compounds from Ethyl acetate and Methanol extract of *Trachyspermum ammi* (Ajwain) with reference to Antibacterial activity and Subacute toxicity effect."** published in JETIR (PEER REVIEW) Vol. , Issue No. , January 2019 ISSN : 2349-5162.
9. **"HEAVY METAL INDUCED RESISTANCE OF BACTERIA ISOLATED FROM TAMILNADU METAL INDUSTRY"** published in SDRP Journal of Earth Sciences & Environmental Studies (PEER REVIEW) Vol. 2, Issue No. 2, June 2017 ISSN : 2472-6397.
10. **"Risk of Human papilloma virus in causing cervical cancer and the recent advancement in vaccination as a preventive measure"** published in 10th World Congress on Virology and Mycology (PEER REVIEW) Vol. , Issue No. , May 2017 ISSN : 2161-0517.
11. **"IMPACT OF PESTICIDE CHLORPYRIFOS ON THE FRESH WATER FISH *OREOCHROMIS SPP*"** published in SDRP Journal of Cellular and Molecular Physiology (PEER REVIEW) Vol. 2, Issue No. 1, May 2017 ISSN : 2574-4046.

12. **"Heavy Metal Resistant CZC Genes Identification in Bacillus cereus, Enterobacter asburiae and Pseudomonas aeruginosa Isolated from BHEL Industry, Tamilnadu"** published in Research & Reviews: Journal of Microbiology and Biotechnology (PEER REVIEW) Vol. 5, Issue No. 4, November 2016 ISSN : 2320 - 3528.
13. **"Bacterial tolerance to heavy metals under the influence of pH, Temperature and salinity"** published in International journal of Science ENGINEERING AND TECHNOLOGY (PEER REVIEW) Vol. 3, Issue No. 2, April 2015 ISSN : 2348-4098.
14. **"Bacterial resistance to zinc metals and their biosorption mechanism"** published in Asian journal of Microbiology, Biotechnology ,Environment Science (PEER REVIEW) Vol. 16, Issue No. 3, December 2014 ISSN : 0972-3005.
15. **"Microbial resistance to Zinc Metal and their biosorption mechanism"** published in Report and Opinion (E-JOURNAL) Vol. 5, Issue No. 9, November 2013 ISSN : 1553-9873.
16. **"Isolation and characterisation of bacteria from BHEL factory effluent"** published in Science Research Reporter (PEER REVIEW) Vol. 2(3), Issue No. , January 2012 ISSN : 2249-2321.

Publication in Books - 8

1. **MICROBIAL BIOREMEDIATION. MICROBIAL BIOREMEDIATION.** TRICHY :Royal Book Publishing, May 2021.
3. **Bacterial metalloregulation & Antibiotic resistance in bacteria.** Bacterial metalloregulation & Antibiotic resistance in bacteria. Mauritius :LAMBERT Academic Publishing, July 2018.
4. **PHYTOCHEMICAL ANALYSIS OF Caesalpinia bonducella L Fever Nut.** Pharmacological Benefits of Natural Products. Tamil Nadu :JPS Scientific Publications, January 2018.
5. **PHYTOCHEMICAL ANALYSIS OF Caesalpinia bonducella L Fever Nut.** . . . , January 2018.
6. **Median Lethal Concentration of selected organochlorine,organophosphorous and Carbamate pesticides to the juveniles of the fresh water prawn, Macrobrachium rosenbergii(De man)).** Proc. International .Conf.on.Biodiv.Conserv.&Mgt.. . . , January 2008.
7. **PHYTOCHEMICAL ANALYSIS OF Caesalpinia bonducella L.Fever Nut.** Pharmacological Benefits of Natural Products. :JPS Scientific Publications, January 1900.

Books Published / Edited - 3

- * . **MICROBIAL BIOREMEDIATION.** Tiruchirappalli : Royal Book Publishing , May 2021.
- * . **I AM APROUD ZOOLOGIST.** TRICHY : BISHOP HEBER COLLEGE , March 2019.
- * . **Pharmacological Benefits of Natural Products.** Tamil Nadu : JPS Scientific Publications , January 2018.

Awards Recieved - 1

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Best paper award	Department of Biototechnology	03/02/2017	NATIONAL	Bishop Heber College	no

EXTENSION / PART V ACTIVITIES UNDERTAKEN - 1

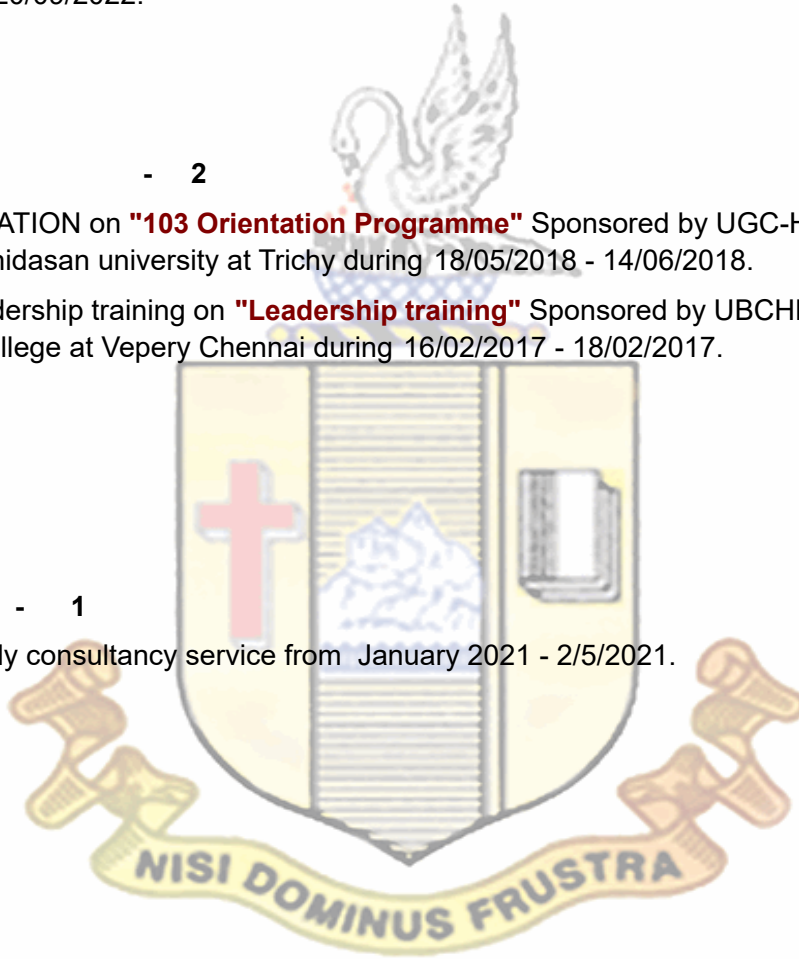
1. NSS PROGRAM OFFICER, MEGA CLEANING PROJECT for NSS VOLUNTEERS for the TRICHY during 06/09/2022 to 20/09/2022.

TRAINING PROGRAMME - 2

- # STATE level ORIENTATION on **"103 Orientation Programme"** Sponsored by UGC-HRDC, Organized by Bharathidasan university at Trichy during 18/05/2018 - 14/06/2018.
- # NATIONAL level Leadership training on **"Leadership training"** Sponsored by UBCHEA, Organized by St.Christophers college at Vepery Chennai during 16/02/2017 - 18/02/2017.

CONSULTANCY - 1

National Professionally consultancy service from January 2021 - 2/5/2021.



Signature of Staff
(J.JOONU)