

Dr.V.VIOLET DHAYABARAN

Associate Professor,
Department of Chemistry,
Bishop Heber College,
Tiruchirappalli - 17.

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Web:

Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D.	Chemical Kinetics	Bharathidasan University	2002
M.Phil	Chemistry	Seethalakshmi Ramaswamy College, Trichy	1994
M.Sc Chemistry	Chemistry	Bishop Heber College, Tiruchirappalli	1990
B.Sc Chemistry	Chemistry	Seethalakshmi Ramaswamy College, Trichy	1988

Ph.D. Details

Title of Thesis		Area of Specialization	
Synthesis, Kinetics and Solvent Effect on Reactions of Some Cobalt (III) Complexes.		Chemical Kinetics	
Research Supervisor	Research Centre	Year of Award	
Dr.Balasubramanian	Bishop Heber College	January 2002	

Obtained Post Doctoral Fellowship :
Host Institution :

Agency

Cleared NET / SET :	Details	Year of Passing
SET	2971	May 1991

Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDCA	Bishop Heber College, Tiruchirappalli	May 1991	1 year

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College, Tiruchirappalli	Bishop Heber College(Autonomous), Nationally Reaccredited at the A+ by NAAC Recognized by UGC as College with Potential for Excellence Tiruchirappalli – 620017 Tamil Nadu, India.	Associate Professor	1991	Till date
Brila Institute of Technology, Dubai	Birla Institute of Technology & Science Pilani, BITS Pilani, Dubai Campus Dubai International Academic City P. O. Box No. – 345055, Dubai, UAE	Assistant Professor in Chemistry	2006	2009
Bishop Heber College, Tiruchirappalli	Bishop Heber College(Autonomous), Nationally Reaccredited at the A+ by NAAC Recognized by UGC as College with Potential for Excellence Tiruchirappalli – 620017 Tamil Nadu, India.	Coordinator	01/05/2010	Till Date
Bishop Heber College, Tiruchirappalli	Bishop Heber College(Autonomous), Nationally Reaccredited at the A+ by NAAC Recognized by UGC as College with Potential for Excellence Tiruchirappalli – 620017 Tamil Nadu, India.	Dean of Sciences	01/05/2018	Till Date

Teaching / Research Experience

U.G. : 27 P.G. : 25 M.Phil. : 20 Ph.D. : 7

Research Guidance

U.G. : 25 P.G. : 49 M.Phil. : 20 Ph.D. : 7

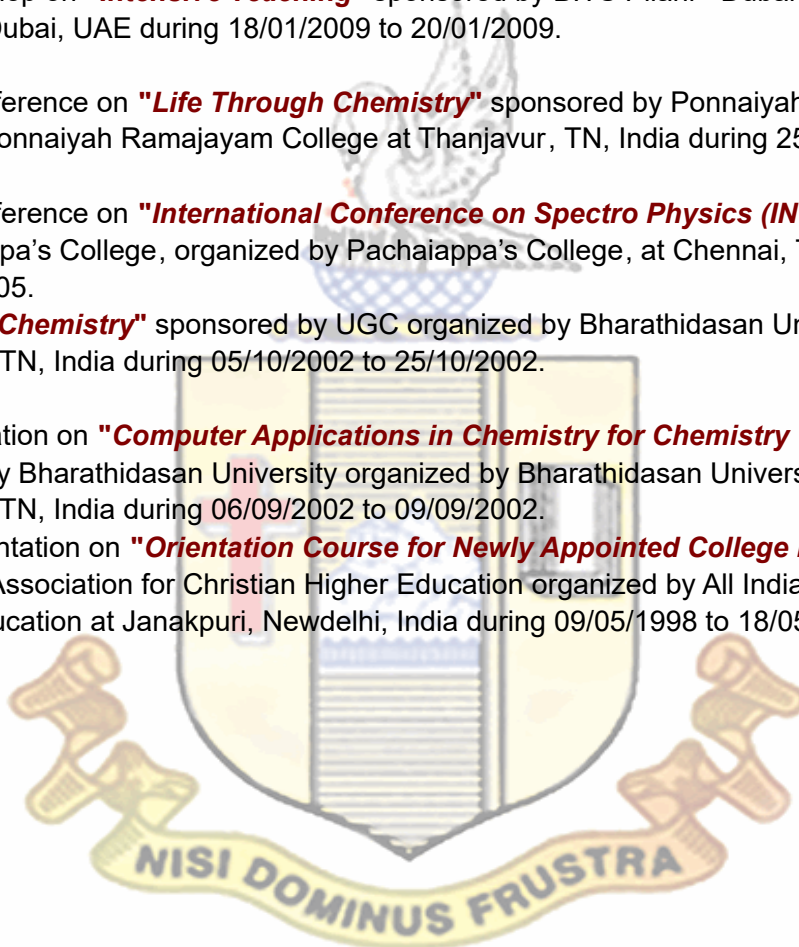
Table of Contents

1.	Conferences / workshops / Seminars Attended	41
2.	Research Papers Presented	18
3.	Publication in Journals	53
4.	Publication in Books	0
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	21
7.	Research Projects	4
8.	Resource Person	2
9.	Consultancy	0
10.	Awards Recieved	2
11.	Patent	0
12.	Extension Activities Undertaken	6
13.	Professional Membership	4
14.	M.Phil. / Ph.D. Produced	10 / 9

1. International level Workshop on **"Participatory Learning and Evaluation"** sponsored by United Board of Christian Higher Education in Asia and Lady Dock College organized by United Board of Christian Higher Education in Asia and Lady Dock College at Madurai during 29/03/2023 to 31/03/2023.
2. International level Conference on **"International Conference on Prospectus of Biosciences in Transdisciplinary Research (PBTR 2020)"** sponsored by - organized by Department of Biotechnology and Bioinformatics at Bishop Heber College during 21/01/2020 to 22/01/2020.
3. International level Conference on **"International Conference on Application of Basic Sciences ICABS-2019"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy ,TN during 19/11/2019 to 21/11/2019.
4. College level Workshop on **"Zebra fish - Biomedical Research friend"** sponsored by - organized by Department of Biotechnology & Bioinformatics at Bishop Heber College during 27/09/2019 to 27/09/2019.
5. International level Conference on **"International Conference on " Chemical Research and Innovations Today-CRIT 2019'"** sponsored by PG and Research Dept. of Chemistry , Bishop Heber College organized by PG and Research Dept. of Chemistry , Bishop Heber College at Trichy ,TN during 24/08/2019 to 24/08/2019.
6. International level Conference on **"5th International EC0-Conference on Greening the Globe for Sustainable Living (IEC-GGSL2019)"** sponsored by Higher Educational Institutions under the leadership of CSI Synod, Chennai organized by Higher Educational Institutions under the leadership of CSI Synod, Chennai at CSI Synod Centre, Chennai, Tamilnadu, India during 01/08/2019 to 04/08/2019.
7. National level Seminar on **"Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"** sponsored by Alagappa University organized by Department of Bioinformatics and Bioinformatics and Drug Discovery Society at Karaikudi during 12/02/2019 to 15/02/2019.
8. International level Seminar on **"17th Prof.K.V Thomas Endowment Seminar & Second International Symposium on New Trends in Applied Chemistry (NTAC 2019)"** sponsored by Organized Department of Chemistry, Sacred Heart College (Autonomous), organized by Organized Department of Chemistry, Sacred Heart College (Autonomous), at Thevera, Kochi, Kerala. during 14/01/2019 to 15/01/2019.
9. International level Conference on **"Applied Mathematics and Bioinspired Computations"** sponsored by Bishop Heber College Trichy organized by Department of Mathematics at Bishop Heber College Trichy during 10/01/2019 to 11/01/2019.
10. College level Conference on **"Accelerators for Science and Society & Evolution of the Periodic Table of Elements and the chart of Nuclides"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy ,TN during 18/08/2018 to 18/08/2018.
11. College level Orientation on **"Volunteer in the three days training programme on positive Discipline skills"** sponsored by Government college of Education organized by Government college of Education at Pudukkottai. during 25/06/2018 to 27/06/2018.
12. College level Orientation on **"2nd Task Force meet under Star College Scheme"** sponsored by Gargi College, organized by Gargi College, at New Delhi. during 25/06/2018 to 25/06/2018.
13. College level Workshop on **"Discovery and Developement of Novel Therapeutics through Insilico Methods"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 14/02/2018 to 15/02/2018.
14. International level Workshop on **"Scientific Writing"** sponsored by Bishop Heber College Trichy organized by Department of Chemistry at Bishop Heber College Trichy during 08/02/2018 to 08/02/2018.
15. International level Conference on **"International Conference on Frontiers in Nano-Biotechnology"** sponsored by UGC organized by Bishop Heber College at Tiruchirappalli, India during 08/09/2017 to 09/09/2017.

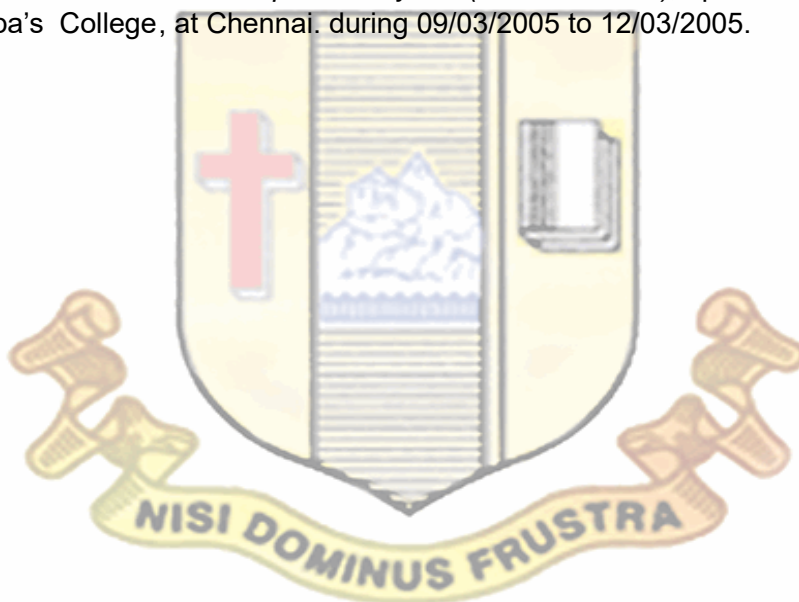
16. College level Orientation on **"Faculty Empowerment Programme"** sponsored by Bihsop Heber College organized by IQAC,BHC at Tiruchirappalli during 14/06/2017 to 14/06/2017.
17. National level Conference on **"National Conference on Computational Analysis of Molecular Data in Synergy with Biological Applications"** sponsored by DST organized by Bishop Heber College at Tiruchirappalli, India during 03/02/2017 to 03/02/2017.
18. National level Conference on **"6th National Conference on Natural Sciences"** sponsored by UGC organized by Bose Science Society at Puthukottai during 12/01/2017 to 12/01/2017.
19. National level Workshop on **"Curriculum Design and Evaluation Techniques"** sponsored by DST-FIST & DBT- STAR organized by Bishop Heber College at Trichy, TN during 21/11/2016 to 22/11/2016.
20. International level Conference on **"International Conference on Biomolecules- Current Trends and Future Perspectives"** sponsored by UGC,DST-DBT organized by Department of Chemistry,Holy Cross College at Trichy, TN during 27/07/2016 to 28/07/2016.
21. International level Conference on **"international Conference on Renewable Energy"** sponsored by DST-FIST organized by Department of Chemistry, Bishop Heber College at Trichy, TN during 25/02/2016 to 26/02/2016.
22. International level Conference on **" International Conference on Modern Process in Biotechnology"** sponsored by TEQIP- II organized by Bharathidasan Institute of Technology, Anna uUniversity at Trichy, TN during 09/12/2014 to 10/10/2014.
23. National level Conference on **"Eighteenth National Convention of Electrochemist"** sponsored by - organized by School of Chemistry, Madurai Kamaraj University at Madurai, TN during 23/07/2014 to 24/07/2014.
24. International level Conference on **"15. Biodegradation of methyl parathion by Bacillus sp. Isolated from pesticide contaminated soil in Tiruchirappalli district"** sponsored by organized by at Tiruchirappalli, India. during 10/03/2014 to 11/03/2014.
25. International level Conference on **"International Science Congress"** sponsored by - organized by International Science Congress Association , Karunya University at Kovai, TN during 08/12/2013 to 09/12/2013.
26. National level Workshop on **"Value Virtual Lab - Broadening Perspectives"** sponsored by VMKV Engineering College organized by VMKV Engineering College at Salem, TN, India during 16/04/2013 to 16/04/2013.
27. International level Conference on **"International Symposium on Partnership in Higher Education ; Opportunities & Challenges"** sponsored by - organized by research and Development Cell, Bishop Heber College at Trichy, TN during 28/02/2013 to 28/02/2013.
28. College level Orientation on **"Partnership in Higher Education: Opportunities and Challenges"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli -620017, TN, India during 26/02/2013 to 26/02/2013.
29. International level Conference on **"International Conference on Biotechnological Innovations Towards Global Development,"** sponsored by Global organized by Global at Tiruchirappalli, India. during 09/01/2013 to 10/01/2013.
30. International level Conference on **"Second International Conference On Advanced Oxidation Processes"** sponsored by - organized by Society of Environmental chemistry and Allied Sciences at Kerela during 05/10/2012 to 08/12/2012.
31. National level Conference on **"National conference on Emerging Trends in Chemistry"** sponsored by DST-FIST organized by Department of Chemistry, Bishop Heber College at Trichy, TN during 11/01/2012 to 11/01/2012.
32. International level Conference on **"2nd International Chemical and Environmental Engineering Conference"** sponsored by - organized by World Academy of Research and Publication at Kuala Lumpur, Malaysiya during 21/12/2011 to 23/12/2011.

33. International level Orientation on **"Conversion of waste into Wealth using Appropriate Technology"** sponsored by United Board for Christian Higher Education in Asia organized by United Board Heber Partnership for Environmental Action, Bishop Heber College at Trichy, TN during 26/08/2011 to 26/08/2011.
34. International level Conference on **"Conferecce on Bio-inspired Computing: Theories and Applications"** sponsored by IEEE UKRI Section organized by Department of Computer Science, Liverpool Hope University at Liverpool, U.K during 10/09/2010 to 10/09/2010.
35. National level Conference on **"National Conference on Recent Advances in Eelectroanalytical Techniques"** sponsored by - organized by Department of Chemistry, Gandhigram Rural Institute at Dindigul during 25/02/2010 to 26/02/2010.
36. University level Workshop on **"Intensive Teaching"** sponsored by BITS Pilani - Dubai organized by BITS Pilani - Dubai at Dubai, UAE during 18/01/2009 to 20/01/2009.
37. International level Conference on **"Life Through Chemistry"** sponsored by Ponnaiyah Ramajayam College organized by Ponnaiyah Ramajayam College at Thanjavur, TN, India during 25/02/2006 to 26/02/2006.
38. International level Conference on **"International Conference on Spectro Physics (INCONS 2005)"** sponsored by Pachaiappa's College, organized by Pachaiappa's College, at Chennai, TN during 09/02/2005 to 12/02/2005.
39. -1 level Refresher on **"Chemistry"** sponsored by UGC organized by Bharathidasan University at Tiruchirappalli-620024, TN, India during 05/10/2002 to 25/10/2002.
40. University level Orientation on **"Computer Applications in Chemistry for Chemistry Teachers in Colleges"** sponsored by Bharathidasan University organized by Bharathidasan University at Tiruchirappalli-620024, TN, India during 06/09/2002 to 09/09/2002.
41. International level Orientation on **"Orientation Course for Newly Appointed College Lecturers"** sponsored by All India Association for Christian Higher Education organized by All India Association for Christian Higher Education at Janakpuri, Newdelhi, India during 09/05/1998 to 18/05/1998.



1. **"Discovery and $\text{SnCl}_2 \cdot \text{H}_2\text{O}$ mediated one pot multi- component synthesis of isatin derived imidazoles; an approach to establish novel anticancer drugs"** in the International conference on *International Conference on Prospectus of Biosciences in Transdisciplinary Research* sponsored by -, organized by Bishop Heber College at Trichy during 21/01/2020 to 22/01/2020.
2. **"(-9 Anthrylmethylideneamino)-4-methylphenol synthesis, Characterisation single crystal and antimicrobial studies"** in the International conference on *International Conference on Prospectus of Biosciences in Transdisciplinary Research* sponsored by -, organized by Bishop Heber College at Trichy during 21/01/2020 to 22/01/2020.
3. **"High Performance Electrochemical Sensor Based on Hybrid Nanocomposite MnO_2 /PANI/Rgo FOR THE Detection of Methyl Parathion"** in the International conference on *International Conference on Frontiers in Nano-Biotechnology* sponsored by -, organized by Bishop Heber College at Trichy during 08/09/2017 to 09/09/2017.
4. **"High energy and high power density supercapacitor based on nanostructured polyaniline-sulphanilic acid composite material"** in the International conference on *International Conference on Frontiers in Nano-Biotechnology* sponsored by -, organized by Bishop Heber College at Trichy during 08/09/2017 to 09/09/2017.
5. **"Cytotoxic Effect of Metformin, PEITC and 3-Bromopyruvate on Breast Cancer Cell lines"** in the International conference on *International Conference on Frontiers in Nano-Biotechnology* sponsored by -, organized by Bishop Heber College at Trichy during 08/09/2017 to 09/09/2017.
6. **"Spectral and Theoretical Studies on the Impact of M(II) Complexes of Amino acid Nucleobases Hybrid Ligand on BSA Binding: An Approach Towards New Metallodrugs"** in the International conference on *4th International Conference on New Frontiers of Engineering, Science, Management and Humanities (ICNFESMH-2017)* sponsored by DIIF, organized by Conference Info in association with Academic Science at the Institution of Electronic and Telecommunication Engineers, Osmania University Campus at Osmania University Campus, Hyderabad during 03/09/2017 to 03/09/2017.
7. **"Molecular docking studies of bioactive M (II) complexes of amino acid based N3o donor mixed ligand"** in the National conference on *National Conference on Computational Analysis of Molecular Data in Synergy with Biological Applications (CAMB-2017)* sponsored by -, organized by Bishop Heber College at Trichy during 03/02/2017 to 03/02/2017.
8. **"Influence of Amino Acid-Nucleobase Hybrid Ligand in Binding and Biological Activity of Co (II) and Zn (II) Complexes"** in the National conference on *Natural Sciences* sponsored by -, organized by Bose Science Society, TNSRO at Holy Cross College, Tiruchirappalli during 12/01/2017 to 12/01/2017.
9. **"Synthesis and characterisation of polyaniline/Ag-Zn nanocomposite and antibacterial activity"** in the International conference on *Chemistry for Renewable Energy* sponsored by DST-FIST, UGC, organized by Bishop Heber College at Tiruchirappalli-620017, TN, India during 25/02/2016 to 26/02/2016.
10. **"Polymeric nanocomposites as dextrous drug carriers insteering up brain drug targetting: An approach to combat depression"** in the International conference on *Modern Progress in Biotechnology* sponsored by TEQIP-II, organized by Anna University, Bharathidasan Institute of Technology at Tiruchirappalli-620024 during 09/10/2014 to 10/10/2014.
11. **"Synthesis and characterisation of Co_2MnO_4 nanopowder by combustion method"** in the International conference on *srd International Science Congress* sponsored by -, organized by Internation Science Congress Association at Karunya University, Coimbatore, TN. India during 08/12/2013 to 09/12/2013.
12. **"Photo degradation of Methyl red using Ag-doped Fe_3O_4 Nanoparticles"** in the International conference on *Advanced Oxidation Process* sponsored by -, organized by Society of Environmental Chemistry and Allied Sciences at Mahatma Gandhi University, Kottayam, Kerala, India during 05/10/2012 to 08/10/2012.

13. **"Utilization of the Agricultural Wastes for Decolourization of Congo Red"** in the International conference on *Chemical and Environment Engineering* sponsored by , organized by World Academy of Research and Publication at Kuala Lumpur, Malaysia during 21/12/2011 to 23/12/2011.
14. **"MPN count and treatment of the drinking water samples collected from the shops near Bishop Heber College"** in the National conference on *Biotechnology its Advent and Future Promises* sponsored by UGC, organized by Bishop Heber College at Tiruchirappalli-620017, TN, India during 06/01/2011 to 06/01/2011.
15. **"Apoptosis and Oxidative stress analysis"** in the International conference on *Bio-inspired Computing: Theories and Applications* sponsored by IEEE, organized by Liverpool Hope University at Liverpool, U.K. during 08/09/2010 to 10/09/2010.
16. **"Voltammetric Investigation of Vitamin B6 using Fe₃O₄ Micro Particle Modified Glassy Carbon Electrode"** in the National conference on *Recent Advances in Electroanalytical Techniques* sponsored by , organized by Gandhigram Rural Institute-Deemed University at Gandhigram, Dindigul during 25/02/2010 to 26/02/2010.
17. **"Intercalative studies on copper complexes with DNA"** in the National conference on *Recent Advances in Chemistry* sponsored by UGC, organized by Bishop Heber College at Tiruchirappalli-620017, TN, India during 18/09/2009 to 18/09/2009.
18. **"Intercalative binding of some metal complexes with nucleic acids"** in the International conference on *International Conference on Spectro Physics (INCONS 2005)*, sponsored by , organized by Pachaiappa's College, at Chennai. during 09/03/2005 to 12/03/2005.



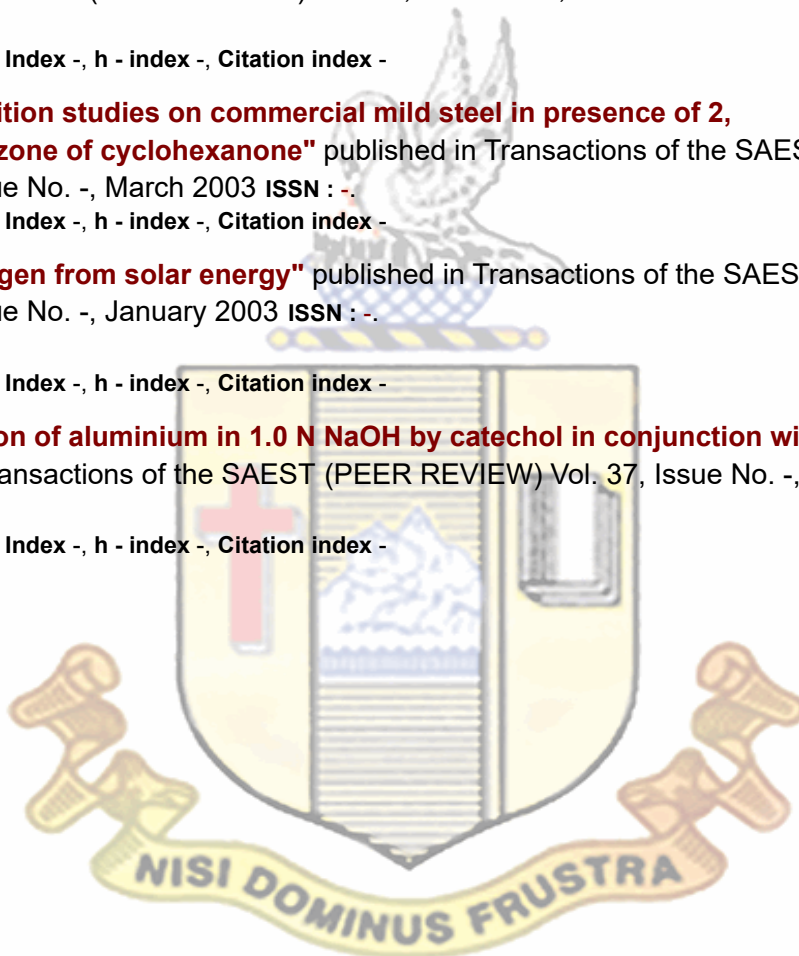
1. **"In Silico Evaluation of Bioactive Compounds of Artemisia pallens Targeting the Efflux Protein of Multidrug-Resistant Acinetobacter baumannii (LAC-4 Strain)"** published in Molecules (PEER REVIEW) Vol. 27(16), Issue No. -, November 2022 ISSN : ---.
Impact factor , Scopus Index -, h - index -, Citation index -
2. **"In silico evaluation of isatin-based derivatives with RNA-dependent RNA polymerase of the novel coronavirus SARS-CoV-2."** published in Journal of Biomolecular Structure and Dynamics (PEER REVIEW) Vol. -39, Issue No. 17, December 2021 ISSN : ---.
Impact factor , Scopus Index , h - index , Citation index 66
3. **"Evaluation of the Anticancer Activities of Isatin-Based Derivatives"** published in Handbook of Oxidative Stress in Cancer: Therapeutic Aspects (PEER REVIEW) Vol. 1–25, Issue No. -, September 2021 ISSN : ---.
Impact factor , Scopus Index -, h - index -, Citation index -
4. **"Evaluation of the Anticancer Activities of Isatin-Based Derivatives"** published in Handbook of Oxidative Stress in Cancer: Therapeutic Aspects (PEER REVIEW) Vol. 1–25, Issue No. -, September 2021 ISSN : ---.
Impact factor , Scopus Index -, h - index -, Citation index -
5. **"Fiber optic gas sensing properties of Ni₂V₂O₇ nanorods operable at room temperature"** published in Materials Science and Engineering B: Solid-State Materials for Advanced Technology (PEER REVIEW) Vol. 256:, Issue No. , February 2020 ISSN : ---.
6. **"Anthracen-9-ylmethylene-(4-methoxyphenyl)amine: efficient promoter for silver-free palladium-catalyzed aerobic oxidative Sonogashira reactions"** published in Transition Metal Chemistry (PEER REVIEW) Vol. 45, Issue No. , February 2020 ISSN : ---.
7. **"p-TSA.H₂O mediated one-pot, multi-component synthesis of isatin derived imidazoles as dual-purpose drugs against inflammation and cancer p-TSA.H₂O mediated one-pot, multi-component synthesis of isatin derived imidazoles as dual-purpose drugs against inflammation and cancer"** published in Bioorganic Chemistry (PEER REVIEW) Vol. 102, Issue No. , January 2020 ISSN : ---.
8. **"(E)-N-(pyren-1-ylmethylene)benzenamine: efficient promoter for additive-free palladium catalyzed aerobic oxidative coupling of arylboronic acids and terminal alkynes"** published in Chemical Papers (PEER REVIEW) Vol. 74, Issue No. , January 2020 ISSN : ---.
9. **"(E)-N-(pyren-1-ylmethylene)benzenamine: efficient promoter for additive-free palladium catalyzed aerobic oxidative coupling of arylboronic acids and terminal alkynes"** published in Chemical Papers (PEER REVIEW) Vol. 74, Issue No. , January 2020 ISSN : ---.
10. **"Utilization of a MnO₂/polythiophene/rGO nanocomposite modified glassy carbon electrode as an electrochemical sensor for methyl parathion"** published in Journal of Materials Science: Materials in Electronics (PEER REVIEW) Vol. 30, Issue No. , July 2019 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
11. **"Biophotonic perception on Desmodosmus sp. VIT growth, lipid and carbohydrate content (2015),"** published in Bioresource technology (PEER REVIEW) Vol. 198, Issue No. , July 2019 ISSN : 0960-8524.
Impact factor , Scopus Index , h - index -, Citation index 11

12. **"MnO₂/PANI/rGO—A Modified Carbon Electrode Based Electrochemical Sensor to Detect Organophosphate Pesticide in Real Food Samples"** published in Analytical & Bioanalytical Electrochemistry (PEER REVIEW) Vol. 11, Issue No. -, July 2019 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
13. **"Analysing 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. e46629-e46629, May 2019 ISSN : ---.
Impact factor , Scopus Index , h - index , Citation index 42
14. **"Fabrication of High energy and high power density supercapacitor based on MnCo₂O₄ nanomaterial"** published in Journal of Physics and Chemistry of Solids (PEER REVIEW) Vol. , Issue No. 133, January 2019 ISSN : ---.
15. **"Room temperature fiber optic gas sensor technology based on nanocrystalline Ba₃(VO₄)₂: Design, spectral and surface science"** published in Materials Research Bulletin (PEER REVIEW) Vol. , Issue No. 119, January 2019 ISSN : ---.
16. **"Synthesis and Molecular Drug Efficacy of Indoline-based Dihydroxy-thiocarbamides: Inflammation Regulatory Property Unveiled over COX-2 Inhibition, Molecular Docking, and Cytotoxicity Prospects"** published in Jom (PEER REVIEW) Vol. , Issue No. , January 2019 ISSN : ---.
17. **"Isatin based macrocyclic Schiff base ligands as novel candidates for antimicrobial and antioxidant drug design: In vitro DNA binding and biological studies"** published in Journal of Photochemistry and Photobiology B: Biology (PEER REVIEW) Vol. 183, Issue No. , April 2018 ISSN : 18732682, 10111344.
18. **"An eco-friendly catalytic system for multi component, one-pot synthesis of novel spiro-chromeno indoline-triones and their anti-prostate cancer potentials evaluated via alkaline phosphatase inhibition mechanism"** published in Bioorganic chemistry (PEER REVIEW) Vol. 84, Issue No. , March 2018 ISSN : -.
Impact factor -, Scopus Index -, h - index -, Citation index -
19. **"Development of room temperature fiber optic gas sensor using clad modified Zn₃(VO₄)₂"** published in Journal of Alloys and Compounds (PEER REVIEW) Vol. , Issue No. , February 2018 ISSN : 0925-8388.
20. **"Synthesis and multi-spectroscopic study on DNA-binding, cleavage and biological properties of M(II) complexes based on N₂O₂ donor Schiff base ligand"** published in Luminescence (PEER REVIEW) Vol. 32, Issue No. 7, November 2017 ISSN : 1522-7243.
21. **"Nanoparticulated polymeric composites enfolded lithium carbonate as brain drug in persuading depression: an in vivo study"** published in Progress in biomaterials (PEER REVIEW) Vol. 6, Issue No. 4, November 2017 ISSN : 2194-0517.
22. **"Spectral and Theoretical Studies On The Impact Of M (II) Complexes Of Amino Acid-Nucleobase Hybrid Ligand On BSA Binding: An Approach Towards New Metallodrugs"** published in International Journal of Engineering Technology Science and Research (PEER REVIEW) Vol. 4, Issue No. 9, October 2017 ISSN : 2394-3386.
23. **"N-substituted hydroxynaphthaleneimino-oxindole derivatives as new class of pi3-kinase inhibitor and breast cancer drug: Molecular validation and Structure Activity Relationship studies"** published in Chemical biology & drug design (PEER REVIEW) Vol. 91, Issue No. 1, September 2017 ISSN : 1747-0285.

24. **"Fabrication of a Novel Polymer Nanohybrid Electrode Material PANI-BaMnO₃ for High Power Supercapacitor Application"** published in Portugaliae Electrochimica Acta (PEER REVIEW) Vol. 35, Issue No. 4, July 2017 ISSN : 1647-1571.
25. **"Novel Bioactive Co (II), Cu (II), Ni (II) and Zn (II) Complexes with Schiff base ligand derived from histidine and 1, 3-Indandione: synthesis, structural elucidation, biological investigation and Docking analysis"** published in Journal of fluorescence (PEER REVIEW) Vol. 27, Issue No. -, June 2017 ISSN : -, Scopus Index -, h - index -, Citation index -
26. **"Nanoparticulated formulations of St. John's wort (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, May 2017 ISSN : 0719-4250.
27. **"Bioactive M(II) complexes of amino acid-based N₃O donor mixed ligand: in vitro and in silico DNA binding studies"** published in Journal of Chemical Biology (PEER REVIEW) Vol. 10, Issue No. 3, May 2017 ISSN : 1864-6158.
28. **"synthesis, characterization and interaction study of cobalt (iii) EDTA azido complex with BSA and DNA"** published in World Journal of Pharmaceutical Research (PEER REVIEW) Vol. 5, Issue No. 2277-7105, November 2016 ISSN : 2277-7105.
Impact factor , Scopus Index -, h - index -, Citation index -
29. **"Invigorating Clitoriaterneate 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. 15, Issue No. 4, October 2016 ISSN : 0972-5938.
30. **"Nanosized BaMnO₃ as High Performance Supercapacitor Electrode Material: Fabrication and Characterization"** published in Materials Letters (PEER REVIEW) Vol. 181, Issue No. , October 2016 ISSN : 0167-577X.
31. **"Synthesis, Characterization and Photophysical Properties of Cu (II), Ni (II), Co (II), and Zn (II) Complexes of Isatin Derivative"** published in Synthesis (PEER REVIEW) Vol. 5, Issue No. , October 2016 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
32. **"Role of a few bacterial species on biodegradation of organophosphorous pesticide (methyl parathion): An approach to access the outcome of biodegradation by GC-MS & HPLC"** published in Der Pharma Chemica (PEER REVIEW) Vol. 8, Issue No. 8, August 2016 ISSN : 0975-413X.
33. **"Microwave-assisted synthesis of spirocarbocycle derivatives and their anticancer activity, molecular docking studies"** published in Der Pharma Chemica (PEER REVIEW) Vol. 8, Issue No. 4, August 2016 ISSN : 0975-413X.
34. **"Development of Reduced Graphene Oxide / Polyaniline (RGO/PANI) composite as novel modified electrode for heavy metal (lead II) detection"** published in Indian Journal of Applied Research (PEER REVIEW) Vol. 6, Issue No. 4, April 2016 ISSN : 2249 - 555X.
35. **"Gas Chromatography-Mass Spectroscopy Analysis of Senna uniflora (Linn.) Irwin & Barneby Whole Plant"** published in Journal of Natural Products and Resources (PEER REVIEW) Vol. 2, Issue No. 1, March 2016 ISSN : 2455-0299 (Online).

36. **"Influence of Amino Acid-Nucleobase Hybrid Ligand in Binding and Biological Activity of Co (II) and Zn (II) Complexes"** published in Journal of fluorescence (PEER REVIEW) Vol. 26, Issue No. -, February 2016 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
37. **"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 & Environmental Sciences (PEER REVIEW) Vol. 17, Issue No. , March 2015 ISSN : 0257-8050.
38. **"FTIR and HPLC Analysis of Bacterial Degradation of Methyl Parathion"** published in World Journal of Pharmacy and Pharmaceutical Sciences (PEER REVIEW) Vol. 3, Issue No. 11, October 2014 ISSN : 2278-4357.
39. **"Novel diagnostic tool to detect vitamin B6 using Fe₃O₄ modified glassy carbon electrode: A rapid technique to assay bioclinical samples"** published in International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. 2, Issue No. 5, October 2013 ISSN : 2319-8141.
40. **"Biodegradation of an organophosphorous pesticide by bacteria grown in agricultural fields in Tiruchirappalli district"** published in International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. 2, Issue No. 5, September 2013 ISSN : 2319-8141.
41. **"Steering up brain drug targeting: An in-silico approach to combat the drug efflux permeability glycoprotein (P-GP) with antidepressant drug venlafaxin and phyrocompounds of Clitoria Ternatea"** published in International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. 2, Issue No. 4, August 2013 ISSN : 2319-8141.
42. **"Binding efficacy and elucidation of quantitative structure activity relationship of Acetanilide and its derivations with Bovine Serum Albumin and their inhibition Against Cox"** published in International Journal of Pharmaceutical science and Research (PEER REVIEW) Vol. 3, Issue No. 9, September 2012 ISSN : 2320-5148.
43. **"Photo degradation of Methyl red using Ag-doped Fe₃O₄ Nanoparticles"** published in International Journal of Chemical and Environment Engineering (PEER REVIEW) Vol. 3, Issue No. 4, September 2012 ISSN : 2078-0737.
44. **"Utilization of the Agricultural Wastes for Decolourization of Congo Red"** published in Int. J of Chemical and Environment Engineering (PEER REVIEW) Vol. 3, Issue No. 1, February 2012 ISSN : 2078-0737.
45. **"Synthesis and characterization of complexes of cobalt (III) with Pentadentate 1,2-propane diaminetetraacetic acid 1,3 –propane diaminetetraacetic acid and trans -1,2 – cyclohexaaminetetraacetid acid"** published in J. Indian Chemical soc (PEER REVIEW) Vol. 83, Issue No. , March 2006 ISSN : 0019-4522.
46. **"Electrochemical Studies on Corrosion behaviour of Commercial Mild Steel in 1 M1 HCl in Presence of Leucine"** published in Transactions of the SAEST (PEER REVIEW) Vol. 4, Issue No. , February 2006 ISSN : 0036-0672.
Impact factor , Scopus Index -, h - index -, Citation index 2
47. **"Inhibitive action of Tryptophan on the corrosion of commercial mild steel in 1.0 M HCl"** published in Bulletin of Electrochemistry (PEER REVIEW) Vol. 22, Issue No. -, January 2006 ISSN : 0256-1654.
Impact factor , Scopus Index -, h - index -, Citation index 2

48. **"Hexamine as Inhibitor for the Corrosion of Mild Steel in Acid Medium"** published in Transactions-Society for The Advancement of Electrochemical Science and Technology (PEER REVIEW) Vol. 40, Issue No. -, February 2005 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
49. **"Inhibition of corrosion of aluminium in presence of fluorescein in basic medium"** published in Ionics (PEER REVIEW) Vol. 10, Issue No. -, March 2004 ISSN : 9477047.
Impact factor , Scopus Index -, h - index -, Citation index -
50. **"Inhibition of corrosion of commercial mild steel in presence of tetrazole derivatives in acid medium"** published in Ionics (PEER REVIEW) Vol. 10, Issue No. -, March 2004 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
51. **"Corrosion and inhibition studies on commercial mild steel in presence of 2, 4-dinitrophenylhydrazone of cyclohexanone"** published in Transactions of the SAEST (PEER REVIEW) Vol. 38, Issue No. -, March 2003 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
52. **"Production of hydrogen from solar energy"** published in Transactions of the SAEST (PEER REVIEW) Vol. 36, Issue No. -, January 2003 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -
53. **"Inhibition of corrosion of aluminium in 1.0 N NaOH by catechol in conjunction with calcium oxide"** published in Transactions of the SAEST (PEER REVIEW) Vol. 37, Issue No. -, February 2002 ISSN : -.
Impact factor , Scopus Index -, h - index -, Citation index -



1. International level Conference Entitled **"Scientific and Technological Advancement for Reliable and Sustainable future"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 16/11/2022 to 18/11/2022.
2. International level Conference Entitled **"Current Trends in Computational and Experimental Biology (CT-CEB 2021)"** at Bishop Heber College, Tiruchirappalli, sponsored by -, during 18/03/2021 to 19/03/2021.
3. International level Conference Entitled **"International Conference on Prospectus of Biosciences in Transdisciplinary Research (PBTR 2020)"** at Department of Biotechnology and Bioinformatics, Bishop Heber college, sponsored by -, during 21/01/2020 to 22/01/2020.
4. National level Conference Entitled **"National Conference on Unravelling Biometabolites with Bioactivity (NCUBB-2019)"** at Department of Biotechnology and Bioinformatics, Bishop Heber college, sponsored by -, during 25/02/2019 to 25/02/2019.
5. National level Workshop Entitled **"Discovery and development of novel therapeutics through in silico methods"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 14/02/2018 to 15/02/2018.
6. National level Workshop Entitled **"Workshop on basic bioinformatics tools"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 02/02/2018 to 02/02/2018.
7. National level Workshop Entitled **"Workshop o Food Adulteration"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 21/01/2018 to 21/01/2018.
8. International level Conference Entitled **"International Conference on Frontiers in Nano Biotechnology (ICFN-2017)."** at Department of Biotechnology and Bioinformatics, Bishop Heber college, sponsored by -, during 09/09/2017 to 09/09/2017.
9. National level Conference Entitled **"National Conference on Computational Analysis of Molecular Data in Synergy with Biological Applications"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 03/02/2017 to 03/02/2017.
10. International level Conference Entitled **"International conference on Recent Advances in Synthetic Biology"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 08/01/2015 to 09/01/2015.
11. National level Workshop Entitled **"Structural Bioinformatics and Protein 3D structure Visualization"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 28/07/2014 to 28/07/2014.
12. National level Workshop Entitled **"State level Workshop on Structural Bioinformatics and Protein 3D structure Visualization"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 28/07/2014 to 28/07/2014.
13. State level Workshop Entitled **"Protein Separation Technique and Molecular Docking Studies"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 21/03/2014 to 22/03/2014.
14. International level Conference Entitled **"International conference on Chemistry in Synergy with Materials and Biology"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 10/01/2014 to 11/01/2014.
15. International level Conference Entitled **"Chemistry in Synergy with Materials and Biology"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, DST-SERB, TNSCST, during 10/01/2014 to 11/01/2014.
16. International level Conference Entitled **"International Conference on Biotechnological Innovations Towards Global Development"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 09/01/2013 to 10/01/2013.
17. National level Seminar Entitled **"Biotechnology its impact on Health and environment"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 21/03/2012 to 21/03/2012.
18. National level Conference Entitled **"National Seminar on Biotechnology its impact on Health and environment"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 21/03/2012 to 21/03/2012.

19. State level Workshop Entitled **"Computer aided drug designing"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 05/03/2012 to 05/03/2012.
20. National level Conference Entitled **"Biotechnology its Advent and Future Promises"** at Bishop Heber College, Tiruchirappalli, sponsored by UGC, during 06/07/2011 to 06/07/2011.
21. State level Workshop Entitled **"Tools on structural Bioinformatics"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 23/09/2010 to 23/09/2010.

Awards Recieved - 2

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Bharat Ratna Dr. Radhakrishnan Gold Medal Award	Global Economic Progress & Research Association	01/05/2019	NATIONAL	Global Economic Progress & Research Association (GEPRE),New Delhi	-
Prof.C.N.R.RAO BEST SCIENTIST AWARD	BOSE SCIENCE SOCIETY	12/01/2017	INTERNATIONAL	BOSE SCIENCE SOCIETY	-

RESEARCH PROJECTS - 4

1. Major project entitled **"Selectively Targeting Breast Cancer Stem Cells Using Arene–Ruthenium (II) Complexes Containing Biotin and Hydrazone ligands"** (*PRINCIPAL INVESTIGATOR*), Sponsored by SJSGC(UGC), during 01/04/2022 to Till Date [Ongoing].
2. Major project entitled **"Classroom to Community(C2C)-A Service-learning Initiative for Whole Person Education"** (*PRINCIPAL INVESTIGATOR*), Sponsored by United Board For Christian Higher Education In Asia, during 01/04/2021 to 3/1/2024 [Ongoing].
3. Major project entitled **"Design synthesis characterisation and cytotoxic activity of noval bio functionality isatin compounds and their derivatives"** (*PRINCIPAL INVESTIGATOR*), Sponsored by RGNF, during 08/01/2016 to 6/20/2020 [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"** (*PRINCIPAL INVESTIGATOR*), Sponsored by ICMR, during 01/04/2012 to [-1].

1. Coordinator, Disaster management for School children for the CSI All Saints Primer school Trichy during 22/12/2016 to 01/01/1900.
2. Coordinator, Malaria Awareness for School children for the All Saints Middle Bishop Heber school Trichy during 22/12/2015 to 01/01/1900.
3. Coordinator, Dengue Awareness for School children for the Trinity primary School Adavathur during 19/12/2014 to 01/01/1900.
4. Coordinator, Vermicompost for Farmers for the Kodiyalam Trichy during 19/03/2014 to 01/01/1900.
5. Coordinator, National Seminar on impact of Biotechnology on environment & health issue for Students for the Bishop Heber College, Trichy during 05/03/2012 to 01/01/1900.
6. Coordinator, Biogas methodology & its impact over environment Students for Students for the Bishop Heber College, Trichy during 09/02/2010 to 01/01/1900.

PROFESSIONAL MEMBERSHIP - 4

- * Executive Member of Bioinformatics Drug Discovery Society during 01/01/2018 -
- * M294/BSS?2017 of Bose Science Society during 01/09/2017 - Till Date
- * Life Member of The Biotech Research Society, India. during 01/01/2017 -
- * LMNo:125 of society of Environmental Chemistry And Allied Sciences during 10/06/2012 - Till Date

RESOURCE PERSON - 2

1. College level Workshop on **"IGNITE 2019"** at Bishop Heber College, Trichy, 24/06/2019.
2. College level Training Program on **"Moral Development among Students"** at Government College of Education, Pudukkottai - 622001, 27/06/2018.
2. **Reviewer** of International Journal *"Novel Ag/Si composite particles through galvanic displacement and its conductive application - SpringerPlus"*(vol. 5) at U.K. during 27/07/2016 - 8/29/2016.
3. **Reviewer** of International Journal *"Physicochemical aspects of the energetics of binding of sulphanilic acid with bovine serum albumin - Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy"*(vol. 170) at U.K. during 14/04/2016 - 5/25/2016.
4. **Reviewer** of International Journal *"Deciphering the groove binding modes of tau-fluvalinate and flumethrin with calf thymus DNA - Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy"*(vol. 155) at U.K. during 18/09/2015 - 10/20/2015.

Additional Information

- @ Grundstufeeins (Deutsch) German Language Passed in 1995 conducted by MaxmullerBhavan, Chennai.
- @ State Level Screening Test (SLST) in Chemical Sciences passed in 1990 conducted by Madras University.



Signature of Staff
(V.VIOLET DHAYABARAN)