

Dr.J.PRINCY MERLIN

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

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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Chemistrtry	Bishop Heber College / Bard	2006
M.Phil	Chemistrtry	Rec(Nit)/ Bard	1997
M.Sc	CHEMISTRY	Bishop Heber College, Trichy-17	1990
B.Sc	CHEMISTRY	Holy Cross College, Trichy-02	1988

Ph.D. Details

Title of Thesis	Area of Specialization	Year of Award
Kinetics and Mechanism of Reactions of Metal complexes with Trichloroisocyanuric acid	Chemical Kinetics	February 2006
Research Supervisor	Research Centre	
Dr.T.Jeyaraj	Bishop Heber College	

Cleared NET / SET :	Details	Year of Passing
SET		1991

Additional Qualification

Name of Course	Place of Study	Date	Duration
B.Ed	ANNAMALAI UNIVERSITY	May 1991	1 Year
P.G Diploma in Cheminformatics	Delhi		

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College(Autonomous)	Puthur-Tiruchirappalli-62 0017,Tamilnadu,India.	Associate Professor & Head	1/6/2018	Till Date
Bishop Heber College(Autonomous)	Puthur-Tiruchirappalli-62 0017,Tamilnadu,India.	Assistant Professor	19/6/1991	17.02.2006
Bishop Heber College(Autonomous)	Puthur-Tiruchirappalli-62 0017,Tamilnadu,India.	Associate Professor	18/2/2006	31/5/2018

Teaching / Research Experience**U.G. :** 30 Years**P.G. :**

30 Years

M.Phil. :

15 Years

Ph.D. :

15 Years

Research Guidance**U.G. :** 28**P.G. :**

82

M.Phil. :

31

Ph.D. :

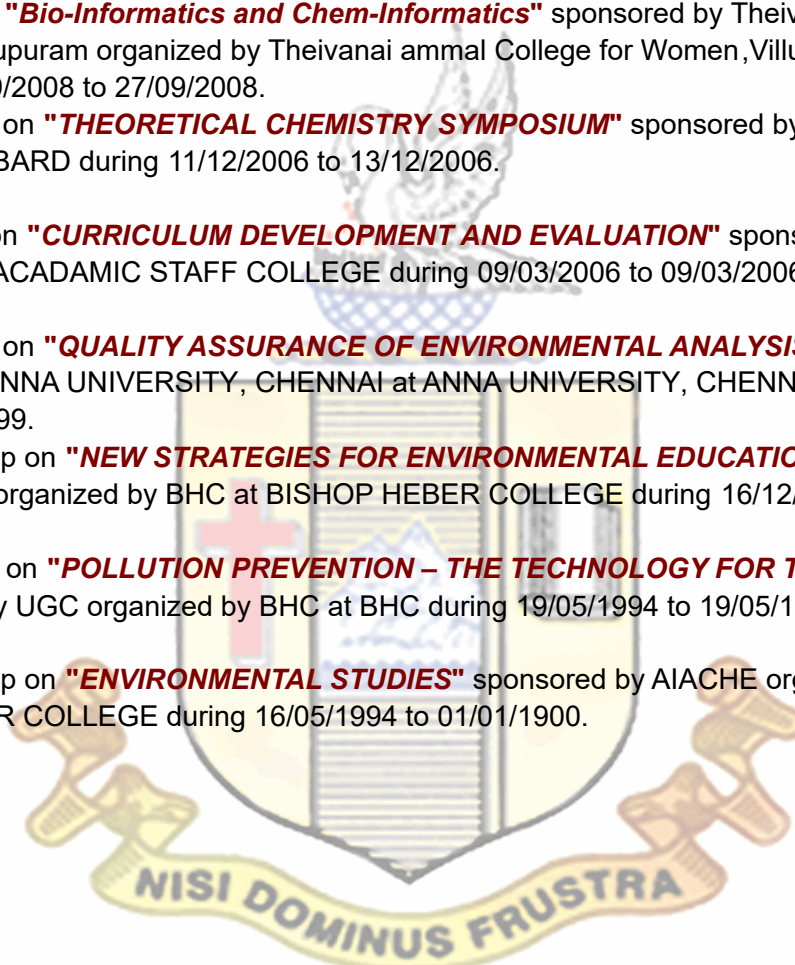
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1.	Conferences / workshops / Seminars Attended	26
2.	Research Papers Presented	102
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5.	Books Published / Edited	1
6.	Conferences / Workshops / Seminars Organised	50
7.	Research Projects	6
8.	Resource Person	19
9.	Consultancy	0
10.	Awards Recieved	8
11.	Patent	1
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 9

1. National level Workshop on **"One day Workshop on "Examinations and Evaluation Reforms"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 10/03/2019 to 10/03/2019.
2. National level Workshop on **"IQAC "NAAC Sponsored Two day Workshop on Benchmarking The Best Practices in Teaching and Learning in Higher Education"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 14/02/2019 to 15/02/2019.
3. International level Conference on **"Advanced Nanomaterials for Energy, Environment and Healthcare Applications"** sponsored by PG and Research Department of Physics organized by PG and Research Department of Physics at Tiruchirappalli during 04/02/2019 to 06/02/2019.
4. International level Conference on **"International Conference on Chemical Research and Innovations Today- CRIT 2019"** sponsored by organized by at TIRUCHIRAPPALI during 24/01/2019 to 24/01/2019.
5. International level Conference on **"International Conference on Water: From Pollution to Purification"** sponsored by Mahatma Gandhi University organized by Mahatma Gandhi University at Kottayam, Kerala. during 07/12/2018 to 10/12/2018.
6. College level Seminar on **"IQAC Faculty Enrichment Programme-NET Coaching (Arts)"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 19/11/2018 to 20/11/2018.
7. College level Seminar on **"IQAC Faculty Enrichment Programme-NET Coaching (Science),"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 23/10/2018 to 24/10/2018.
8. International level Conference on **"First Bodhi International Conference on Humanities Arts and Science-2018 (BICOHAS-18),"** sponsored by University Putra Malaysia (UPM), Malaysia. organized by University Putra Malaysia (UPM), Malaysia. at Malaysia during 24/08/2018 to 17/08/2018.
9. National level Seminar on **"INSA sponsored Lectures by Dr. Swaminathan Kailas on Acceraltors for Sciene and Society"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 18/08/2018 to 18/08/2018.
10. College level Workshop on **"IQAC Communicative English Training Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 26/07/2018 to 03/10/2018.
11. College level Workshop on **"IQAC Hands on Training on E-content Development"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 12/07/2018 to 12/07/2018.
12. College level Orientation on **"IQAC Orientation Programme for newly Recruited Members of Staff"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 11/07/2018 to 11/07/2018.
13. International level Conference on **"FAMA'2018- International Conference on Frontiers in Advanced Materials and their Applications"** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Tiruchirappalli during 09/01/2018 to 10/01/2018.
14. International level Conference on **"International Conference on Chemistry for Renewable Energy - ICCRE 2016"** sponsored by UGC organized by BHC at Tiruchirappalli during 25/02/2016 to 26/02/2016.
15. International level Conference on **"International Conference on Chemistry for Renewable Energy"** sponsored by PG and Research Department of Chemistry organized by PG and Research Department of Chemistry at Tiruchirappalli during 25/02/2016 to 25/02/2016.
16. International level Conference on **"International Conference on Chemical and Environmental Research (ICCER- 2015)"** sponsored by UGC organized by Jamal Mohamed College at Tiruchirappalli- 20 during 17/12/2015 to 17/12/2015.

17. International level Conference on **"International Conference on Chemistry in synergy with materials and biology"** sponsored by UGC organized by PG and Research Department of Chemistry, Bishop Heber College at Tiruchirappalli during 01/10/2014 to 01/11/2014.
18. International level Conference on **"3rd International Science Congress, Karunya University"** sponsored by International Science Congress Association organized by International Science Congress Association at Coimbatore during 12/08/2013 to 12/09/2013.
19. National level Workshop on **"Capacity Building of Women Managers in Higher Education Sensitivity /Awareness /Motivation Workshop"** sponsored by UGC-SAM organized by Mother Teresa Women's University at Mother Teresa Women's University, Kodaikanal during 14/03/2011 to 18/03/2011.
20. State level Seminar on **"Bio-Informatics and Chem-Informatics"** sponsored by Theivanai ammal College for Women, Villupuram organized by Theivanai ammal College for Women, Villupuram at Villupuram during 26/09/2008 to 27/09/2008.
21. National level Seminar on **"THEORETICAL CHEMISTRY SYMPOSIUM"** sponsored by UGC organized by BARD at BARD during 11/12/2006 to 13/12/2006.
22. State level Workshop on **"CURRICULUM DEVELOPMENT AND EVALUATION"** sponsored by UGC organized by BARD at ACADAMIC STAFF COLLEGE during 09/03/2006 to 09/03/2006.
23. National level Seminar on **"QUALITY ASSURANCE OF ENVIRONMENTAL ANALYSIS"** sponsored by UGC organized by ANNA UNIVERSITY, CHENNAI at ANNA UNIVERSITY, CHENNAI during 18/12/1999 to 18/12/1999.
24. National level Workshop on **"NEW STRATEGIES FOR ENVIRONMENTAL EDUCATION"** sponsored by AIACHE organized by BHC at BISHOP HEBER COLLEGE during 16/12/1994 to 16/12/1994.
25. State level Conference on **"POLLUTION PREVENTION – THE TECHNOLOGY FOR THE FUTURE"** sponsored by UGC organized by BHC at BHC during 19/05/1994 to 19/05/1994.
26. National level Workshop on **"ENVIRONMENTAL STUDIES"** sponsored by AIACHE organized by BHC at BISHOP HEBER COLLEGE during 16/05/1994 to 01/01/1900.



1. **"A sonochemical assisted synthesis of Cobalt-benzimidazole Metal Organic Framework for Supercapacitor Application"** in the International conference on *International Conference on Chemical Research and Innovations Today- CRIT 2019* sponsored by , organized by PG & Research Department of Chemistry, Bishop Heber College. at TIRUCHIRAPPALI during 24/02/2019 to 24/02/2019.
2. **"Activated carbon derived from Couroupita guianensis dead flower for Electrochemical Supercapacitor Application"** in the International conference on *International Conference on Chemical Research and Innovations Today- CRIT 2019* sponsored by , organized by PG & Research Department of Chemistry, Bishop Heber College at TIRUCHIRAPPALI during 24/02/2019 to 01/01/1900.
3. **"Green recovery of Silver oxide Nanoparticles from X-ray photofilm processing units using Datura metel fruit extract for the detection of Hydrogen peroxide in milk samples"** in the International conference on *Chemical Research and Innovations Today-CRIT 2019* sponsored by , organized by PG and Research Department of Chemistry at Tiruchirappalli during 24/02/2019 to 24/02/2019.
4. **" Facile synthesis of CoMn₂O₄ @ PANI Nano composite for Electrode material in Supercapacitors"** in the International conference on *Advanced Nanomaterials for Energy, Environment and Healthcare Applications* sponsored by , organized by PG & Research Department of Physics, Bishop Heber College at TIRUCHIRAPPALI during 04/02/2019 to 06/02/2019.
5. **"Electrocatalytic Degradation Methylene blue and Methyl green dyes in Aqueous medium using two electrode system"** in the International conference on *International Conference on Water: From Pollution to Purification* sponsored by , organized by School of Environmental Sciences, Mahatma Gandhi University, at Kottayam, Kerala. during 07/12/2018 to 10/12/2018.
6. **"Facile Synthesis of ZnO/GO nanocomposite electrocatalyst for methanol oxidation in acidic medium"** in the International conference on *Frontiers in Advanced Materials and their Applications* sponsored by PG and Research Department of Chemistry, organized by PG and Research Department of Chemistry at Tiruchirappalli during 09/01/2018 to 10/01/2018.
7. **"Antimicrobial Activity of 2,4,5-trisubstituted imidazole and its Silver complex"** in the International conference on *FAMA'2018- International Conference on Frontiers in Advanced Materials and their Applications* sponsored by PG and Research Department of Chemistry, organized by PG and Research Department of Chemistry at Tiruchirappalli during 09/01/2018 to 10/01/2018.
8. **"Electro-catalytic degradation of Methylene Blue and Methyl Green dyes in Aqueous medium using two electrode System"** in the International conference on *FAMA'2018- International Conference on Frontiers in Advanced Materials and their Applications* sponsored by PG and Research Department of Chemistry, organized by PG and Research Department of Chemistry at Tiruchirappalli during 09/01/2018 to 10/01/2018.
9. **"Green Synthesis and charecterization of Iron Nano particles from the leaf extract of Murraya Koenigii Curry leaves for the application in Solar Cells."** in the International conference on *FAMA'2018- International Conference on Frontiers in Advanced Materials and their Applications* sponsored by PG and Research Department of Chemistry, organized by PG and Research Department of Chemistry at Tiruchirappalli during 09/01/2018 to 10/01/2018.
10. **"Role of heteroaromatic pi-acceptors in designing new mixed valence compounds for optoelectronic applications."** in the International conference on *International conference on Materials for Energy and Environment* sponsored by PG and Research Department of Chemistry, organized by PG and Research Department of Chemistry at Tiruchirappalli during 09/01/2018 to 10/01/2018.
11. **"Polyaniline based Charcoal/Ni nanocomposite Material for High Performance Supercapacitor"** in the International conference on *NANOSMAT 2017 -12th International Conference on Surfaces, Coatings and Nanostructured Materials* sponsored by , organized by at Paris, France. during 11/09/2017 to 13/09/2017.

12. **"Harnessing Triplet –Singlet energy splitting rates in Organic Emitters for Thermally Activated Delayed Fluorescence"** in the International conference on *International conference on Frontiers in Nanobiotechnology (ICFNB'2017)* sponsored by Department of biotechnology, Bishop Heber college., organized by Department of biotechnology, Bishop Heber college. at Tiruchirappalli during 08/09/2017 to 09/09/2017.
13. **"Immobilized L-Cysteine Capped ZnSe/ZnO Nanocrystals"** in the International conference on *ADVANCED OXIDATION PROCESS 2016* sponsored by , organized by at BITS PILANI during 17/12/2016 to 20/12/2016.
14. **"Electro organic Synthesis of bis(2-(4,5-diphenyl-1H-imidazol-2-yl)phenol)nickel Complex : Degradation of Crystal Violet"** in the International conference on *ADVANCED OXIDATION PROCESS 2016* sponsored by , organized by at BITS PILANI during 17/12/2016 to 20/12/2016.
15. **"Synthesis, Characterization and Antibacterial Study of Ni(II) Complex of 2-(4,5-diphenyl-1H-imidazol-2-yl)-phenol"** in the National conference on *Frontier Areas in Chemical Technologies-FACTs 2016* sponsored by , organized by Alagappa University at Alagappa University, Karaikudi. during 21/03/2016 to 21/03/2016.
16. **"One Pot Electroorganic Synthesis of 2,4,5-trisubstituted Imidazoles using Two-Electrode System"** in the International conference on *International Conference on Chemistry for Renewable Energy - ICCRE 2016* sponsored by , organized by Bishop Heber College at Bishop Heber College, Trichy-17 during 25/02/2016 to 26/02/2016.
17. **"SnO₂/ZnO MEDIATED PHOTOCATALYTIC DEGRADATION OF BASIC VIOLET 10"** in the International conference on *INTERNATIONAL CONFERENCE ON CHEMICAL AND ENVIRONMENTAL RESEARCH* sponsored by , organized by JAMAL MOHAMED COLLEGE at JAMAL MOHAMED COLLEGE, TRICHY-20 during 11/03/2014 to 12/03/2014.
18. **"CYCLIC VOLTAMMETRIC DETECTION OF FOLIC ACID BY ZrO₂ MICROPARTICLES MODIFIED GC ELECTRODE"** in the International conference on *INTERNATIONAL ON CHEMISTRY IN SYNERGY WITH MATERIALS AND BIOLOGY* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 10/01/2014 to 11/01/2014.
19. **"PHOTOCATALYTIC DEGRADATION OF TARTRAZINE USING SEMICONDUCTOR CALCIUM ALUMINATE -MAGNETITE NANOPARTICLES"** in the International conference on *THIRD INTERNATIONAL* sponsored by , organized by KARUNYA UNIVERSITY at KARUNYA UNIVERSITY, COIMBATORE during 08/12/2013 to 09/12/2013.
20. **"GREEN SYNTHESIS OF VANADIUM OXIDE NANOPARTICLES USING NYCTANTHES ARBOR TRISTIS LEAVES EXTRACT"** in the International conference on *THIRD INTERNATIONAL SCIENCE CONGRESS* sponsored by , organized by KARUNYA UNIVERSITY at KARUNYA UNIVERSITY, COIMBATORE during 08/12/2013 to 09/12/2013.
21. **"GENERATING ELECTRICITY THROUGH MFC USING SLAUGHTER HOUSE WASTEWATER"** in the International conference on *THIRD INTERNATIONAL SCIENCE CONGRESS* sponsored by , organized by KARUNYA UNIVERSITY at KARUNYA UNIVERSITY, COIMBATORE during 08/12/2013 to 09/12/2013.
22. **"ELECTROCHEMICAL OXIDATION OF VITAMIN C MEDIATED BY ZIRCONIA MICROPARTICLES MODIFIED GLASSY CARBON ELECTRODE"** in the International conference on *RECENT ADVANCES IN SURFACE SCIENCE* sponsored by , organized by GANDHIGRAM RURAL UNIVERSITY at GANDHIGRAM RURAL UNIVERSITY, DINDUGAL during 14/02/2013 to 15/02/2013.
23. **"GREEN SYNTHESIS AND CHARACTERISATION OF ZrO₂ USING NYCTHANS ARBOR TRISTIS LEAF EXTRACT"** in the International conference on *RECENT ADVANCES IN SURFACE SCIENCE* sponsored by , organized by GANDHIGRAM RURAL UNIVERSITY at GANDHIGRAM RURAL UNIVERSITY, DINDUGAL during 14/02/2013 to 15/02/2013.
24. **"VOLTAMMETRIC INVESTIGATION OF VITAMIN B6 USING Fe₃O₄ MODIFIED GC ELECTRODE"** in the International conference on *RECENT ADVANCES IN SURFACE SCIENCE* sponsored by , organized by GANDHIGRAM RURAL UNIVERSITY at GANDHIGRAM RURAL UNIVERSITY, DINDUGAL during 14/02/2013 to 15/02/2013.

25. **"A STUDY OF BINDING ABILITY OF Co(II) COMPLEX CONTAINING MIXED LIGAND WITH BSA PROTEINS"** in the International conference on *INTERNATIONAL CONFERENCE ON BIOTECHNOLOGICAL INNOVATIONS TOWARDS GLOBAL DEVELOPMENT* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 09/01/2013 to 10/01/2013.
26. **"STUDIES ON BINDING PROPERTIES OF COBALT (II)COMPLEX WITH CT-DNA"** in the International conference on *INTERNATIONAL CONFERENCE ON BIOTECHNOLOGICAL INNOVATIONS TOWARDS GLOBAL DEVELOPMENT* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 09/01/2013 to 10/01/2013.
27. **"INTERCALATIVE STUDY ON BINDING EFFICIENCY OF CdO NANOPARTICLE WITH BSA MOLECULE"** in the International conference on *INTERNATIONAL CONFERENCE ON BIOTECHNOLOGICAL INNOVATIONS TOWARDS GLOBAL DEVELOPMENT* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 09/01/2013 to 10/01/2013.
28. **"SYNTHESIS, CHARACTERISATION AND INTERCALATIVE STUDY ON NANO COPPER(II)COMPLEX WITH BSA"** in the International conference on *INTERNATIONAL CONFERENCE ON BIOTECHNOLOGICAL INNOVATIONS TOWARDS GLOBAL DEVELOPMENT* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 09/01/2013 to 10/01/2013.
29. **"INDUCED PHOTOCATALYTIC DEGRADATION OF CONGO RED USING VARIOUS OXIDISING AGENTS"** in the International conference on *ADVANCED OXIDATION PROCESSES 2012* sponsored by , organized by Mahatma Gandhi University at KOTTAYAM, INDIA during 05/10/2012 to 08/10/2012.
30. **"BIOSORPTION OF ARSENIC FROM AQUEOUS SOLUTION USING AZOLLA CAROLINIANA-KINETICS & THERMODYNAMIC STUDY"** in the International conference on *ADVANCED OXIDATION PROCESSES 2012* sponsored by , organized by at KOTTAYAM, INDIA during 05/10/2012 to 08/10/2012.
31. **"PHOTOCATALYTIC DEGRADATION OF METHYL RED (MR) DYE UNDER UV IRRADIATION USING FENTONS REAGENT"** in the International conference on *ADVANCED OXIDATION PROCESSES 2012* sponsored by , organized by Mahatma Gandhi University at KOTTAYAM, INDIA during 05/10/2012 to 08/10/2012.
32. **"Solar Induced photocatalytic degradation of congo red using various oxidising agent"** in the International conference on *ADVANCED OXIDATION PROCESSES* sponsored by Mahatma Gandhi University, organized by KOTTAYAM at INDIA during 05/10/2012 to 08/10/2012.
33. **"DECOLOURISATION OF TEXTILE DYE INDUSTRY WASTE WATER USING AQUATIC FERN AZOLLA CAROLLINA"** in the International conference on *ADVANCED OXIDATION PROCESSES 2012* sponsored by , organized by Mahatma Gandhi University at KOTTAYAM, INDIA during 05/10/2012 to 08/10/2012.
34. **"Assay on Water Quality of Sample in Medical College Area in Thanjavur"** in the National conference on *Emerging Trends in Chemistry* sponsored by , organized by BHC at BHC, TRICHY during 11/01/2012 to 11/01/2012.
35. **"Drinking Water quality of some Villages in Thanjavur District"** in the National conference on *Emerging Trends in Chemistry* sponsored by , organized by BHC at BHC, TRICHY during 11/01/2012 to 11/01/2012.
36. **"Polyphenolic compounds as an Effective Corrosion Inhibitor for Al in 1N NaOH"** in the National conference on *Emerging Trends in Chemistry* sponsored by , organized by BHC at BHC, TRICHY during 11/01/2012 to 11/01/2012.
37. **"Natural Product extract of Cassia Fistula as Corrosion Inhibitor for Al in 1N NaOH"** in the National conference on *Emerging Trends in Chemistry* sponsored by , organized by BHC at BHC, TRICHY during 11/01/2012 to 11/01/2012.

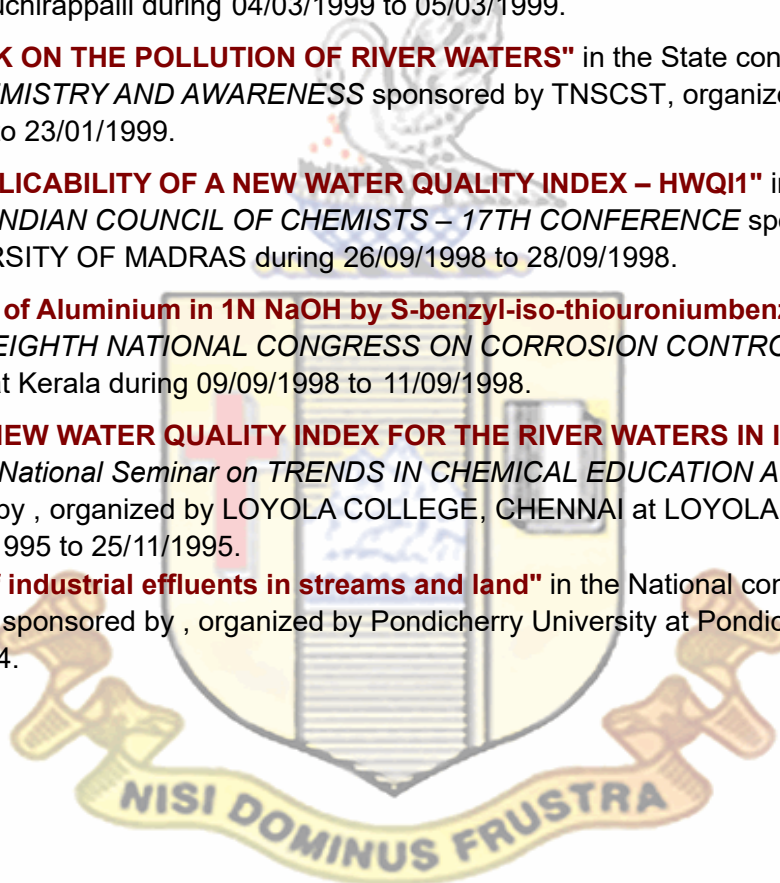
38. **"Physico-Chemical Characterisation of potable Water Samples in Tiruchirapalli"** in the National conference on *Emerging Trends in Chemistry* sponsored by , organized by BHC at BHC, TRICHY during 11/01/2012 to 11/01/2012.
39. **"Study on interaction between CuO nano particles and BSA"** in the International conference on *2nd International Chemical and Environmental Engineering Conference* sponsored by , organized by at Kuala Lumpur, Malaysia during 21/12/2011 to 23/12/2011.
40. **"Photodegradation of Methylred using Ag doped Fe₃O₄ nano particles"** in the International conference on *2nd International Chemical and Environmental Engineering Conference* sponsored by , organized by at Kuala Lumpur, Malaysia during 21/12/2011 to 23/12/2011.
41. **"Utilization of Agricultural Waste for decolourisation of Congo red"** in the International conference on *2nd International Chemical and Environmental Engineering Conference* sponsored by , organized by at Kuala Lumpur, Malaysia during 21/12/2011 to 23/12/2011.
42. **"A study on Interact ion of Nano ZrO₂ with BSA"** in the National conference on *Tamil Science Conference- 11 th Seminar* sponsored by , organized by Gandhigram Rural University, Dindugal at Gandhigram Rural University during 28/06/2011 to 29/06/2011.
43. **"A Photo Catalytic Degradation of Crystal Violet using Nano ZrO₂ Semiconductor"** in the National conference on *Tamil Science Conference- 11 th Seminar* sponsored by , organized by Gandhigram Rural University at Gandhigram Rural University, Dindugal during 28/06/2011 to 29/06/2011.
44. **"A study on Interaction of Acetaanilide ZrO₂ with BSA"** in the National conference on *Tamil Science Conference- 11 th Seminar* sponsored by , organized by Gandhigram Rural University at Gandhigram Rural University, Dindugal during 28/06/2011 to 29/06/2011.
45. **"A Study On Colour Removal of Crystal Violet using nano CoO"** in the International conference on *Global Compepitiveness in Biology, Chemistry and Environment : For a Better Tomorrow* sponsored by , organized by Rev. Jacob Memorial Christian College at Rev. Jacob Memorial Christian College, Ambilikai during 02/03/2011 to 02/03/2011.
46. **"Photodegradation of Crystal Violet using nano MgO"** in the International conference on *Global Compepitiveness in Biology, Chemistry and Environment : For a Better Tomorrow* sponsored by , organized by Rev. Jacob Memorial Christian College at Rev. Jacob Memorial Christian College, Ambilikai during 03/02/2011 to 03/02/2011.
47. **"Study on interaction nano Fe₃O₄ Bovine Serum Albumin"** in the National conference on *Biotechnology-its advent and future promises* sponsored by , organized by BHC at BHC, TRICHY during 06/01/2011 to 06/01/2011.
48. **"Synthesis and Characterization of Fe₃O₄ Nanoparticles and Ag- doped Fe₃O₄"** in the National conference on *Recent Advances in Electroanalytical Techniques* sponsored by , organized by Gandhigram Rural University at Gandhigram Rural University during 25/02/2010 to 26/02/2010.
49. **"A kinetic study on oxidation iron (II) complexes TCCA using Cyclic Voltammetry"** in the Select conference on *Recent Advances in Electroanalytical Techniques* sponsored by , organized by Gandhigram Rural University at Gandhigram Rural University during 25/02/2010 to 26/02/2010.
50. **"Synthesis , Characterization and Kinetics of Photocatalytic degradation of Fe₃O₄ Nanoparticles"** in the National conference on *Materials for the New Millenium Energy* sponsored by , organized by Cochin University of Science and Technlogy at during 11/01/2010 to 13/01/2010.
51. **"Applicability of New Water Quality Index- HWQI3A"** in the National conference on *Materials for the New Millenium Energy* sponsored by , organized by Cochin University of Science and Technology at Kerala during 11/01/2010 to 13/01/2010.
52. **"Study on the Removal of Cr(VI) using Some Leaves as Adsorbents"** in the National conference on *Recent Advances in Chemistry* sponsored by UGC, organized by BHC at BHC, TRICHY during 18/09/2009 to 18/09/2009.

53. **"Synthesis and Characterization of N- Substituted Imidazoles and Imidazolium Salts"** in the National conference on *Recent Advances in Chemistry* sponsored by UGC, organized by BHC at BHC, TRICHY during 18/09/2009 to 18/09/2009.
54. **"Decolourisation and degradation of an Azodye using Photo- Fentons Process"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by Department of Physics, BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
55. **"Synthesis , Characterization and Photochemical Study of Cr(III) Complex"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by Department of Physics, BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
56. **"Assay of Ascorbic Acid in Citrus Limoni by a Novel Photometric Method"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by Department of Physics,BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
57. **"Polypyrrole - Fe₃O₄ NanoComposites- A Good Candidate for Biological Application"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
58. **"Photocatalytic degradation of Methylred using Fe₃O₄ NanoParticle"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
59. **"An Investigation of Quality Parameters of Potable Water Samples"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
60. **"Drinking Water Quality Status of Some Villages in Thanjavur"** in the National conference on *Nanomaterial for Energy Conversation and Conservation* sponsored by , organized by BHC at BHC, TRICHY during 26/03/2009 to 26/03/2009.
61. **"PHOTOCATALYTIC DEGRADATION OF METHYLRED USING VARIOUS OXIDISING AGENTS"** in the National conference on *RECENT ADVANCES IN BIOTECHNOLOGY* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 18/03/2009 to 18/03/2009.
62. **"EFFECT OF SOLVENT ON SUBSTITUTION REACTIONS OF CHROMIUM COMPLEXE – A THERMAL AND PHOTOCHEMICAL STUDY"** in the National conference on *RECENT ADVANCES IN BIOTECHNOLOGY* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 18/03/2009 to 18/03/2009.
63. **"PREPARATION OF ADENINE –IRON NANORANGE PARTICLE TO STUDY HYPOTHERMIC EFFECT"** in the National conference on *NANOMATERIALS – PREPARATION , CHARACTERIZATION AND DEVICES* sponsored by Department of Physics, organized by Department of Physics,BISHOP HEBER COLLEGE at TRICHY-17 during 14/03/2008 to 14/03/2008.
64. **"COMPARTIVE STUDY ON PHOTOCATALYTIC DEGRADATION OF REACTIVE AZODYE USING Fe₃O₄ NANOPARTICLES AND FENTONS REAGENTS"** in the National conference on *NANOMATERIALS – PREPARATION , CHARACTERIZATION AND DEVICES* sponsored by Department of Physics, organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 14/03/2008 to 14/03/2008.
65. **"PHOTOCATALYTIC DEGRADATION OF SYNTHETIC AZODYE USING Fe₃O₄ NANOPARTICLES"** in the National conference on *NANOMATERIALS – PREPARATION , CHARACTERIZATION AND DEVICES* sponsored by Department of Physics, organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 14/03/2008 to 14/03/2008.
66. **"SYNTHESIS AND CHARACTERIZATION OF Fe₃O₄ NANOPARTICLES AND REMOVAL OF ARSENIC IN CONTAMINATED WATER"** in the National conference on *NANOMATERIALS – PREPARATION , CHARACTERIZATION AND DEVICES* sponsored by , organized by BISHOP HEBER COLLEGE at BHC, TRICHY-17 during 14/03/2008 to 14/03/2008.

67. **"CORROSION INHIBITION STUDIES ON COMMERCIAL MILDSTEEL USING GLUTAMINE SALICYALDEHYDE AND CYSTINE AS INHIBITORS IN 1M HCl MEDIUM"** in the National conference on *RECENT TRENDS IN CHEMISTRY* sponsored by Department of Chemistry, organized by BISHOP HEBER COLLEGE at TRICHY-17 during 12/10/2007 to 12/10/2007.
68. **"ANALYSIS AND TREATMENT OF TANNERY EFFLUENT – A BIO-BASED APPROACH"** in the International conference on *THE CHALLENGES AND STRATEGIES FOR THE SUSTAINABILITY OF SAFE DRINKING WATER* sponsored by , organized by GANDHIGRAM RURAL UNIVERSITY at DINDIGUL during 25/10/2006 to 27/10/2006.
69. **"PHYSICO-CHEMICAL CHARACTERISTICS OF GROUND WATER – A SATELLITE VILLAGE OF TRICHY CITY"** in the State conference on *STATE LEVEL SEMINAR ON EMERGING TRENDS IN CHEMISTRY* sponsored by , organized by JAMAL MOHAMED COLLEGE at TRICHY-20 during 09/03/2006 to 09/03/2006.
70. **"STUDY ON DRINKING WATER SUPPLY OF ARAKKONAM TALUK IN VELLORE DISTRICT AND ITS SURROUNDING VILLAGES"** in the State conference on *STATE LEVEL SEMINAR ON EMERGING TRENDS IN CHEMISTRY* sponsored by , organized by JAMAL MOHAMED COLLEGE at TRICHY-20 during 09/03/2006 to 09/03/2006.
71. **"THEORETICAL CALCULATION OF RATE CONSTANTS FOR THE OXIDATION OF IRON(II) COMPLEXES BY TCCA"** in the National conference on *MODERN TRENDS IN MATHEMATICS WITH RELEVANCE TO OTHER DISCIPLINES* sponsored by Department of Maths, organized by BISHOP HEBER COLLEGE at TRICHY-17 during 06/03/2006 to 07/03/2006.
72. **"A KINETIC STUDY OF REACTION OF IRON(II) BIPYRIDINE COMPLEXES WITH TCCA"** in the International conference on *INTERNATIONAL CONFERENCE ON LIFE THROUGH CHEMISTRY* sponsored by , organized by PONNIYAH RAMAJAYAM COLLEGE at TANJAVUR during 25/02/2006 to 26/02/2006.
73. **"Removal of excess fluoride in water using Rystonia regia as an adsorbent"** in the International conference on sponsored by LIFE THROUGH CHEMISTRY, organized by PONNIYAH RAMAJAYAM COLLEGE at TANJAVUR during 25/02/2006 to 26/02/2006.
74. **"MANAGEMENT AND TREATMENT OF E-WASTE MATERIALS – NEED OF THE HOUR"** in the International conference on *INTERNATIONAL CONFERENCE ON ENVIRONMENTAL GEOSCIENCES* sponsored by , organized by ANNA UNIVERSITY at CHENNAI during 15/02/2006 to 16/02/2006.
75. **"A KINETIC STUDY OF OXIDATION OF IRON(II) PHENANTHROLINE COMPLEXES BY TCCA"** in the International conference on *INTERNATIONAL CONFERENCE ON SPECTROPHYSICS (INCONS 2005)* sponsored by , organized by PACHAIYAPPAS COLLEGE at CHENNAI during 09/02/2005 to 12/02/2005.
76. **"INTERCALATIVE BINDING OF SOME METAL COMPLEXES TO NUCLEIC ACIDS"** in the International conference on *INTERNATIONAL CONFERENCE ON SPECTROPHYSICS (INCONS 2005)* sponsored by , organized by PACHAIYAPPAS COLLEGE at CHENNAI during 09/02/2005 to 12/02/2005.
77. **"DETERMINATION OF STOICHIOMETRY AND STABILITY CONSTANTS OF SOME AMINE COMPLEXES"** in the National conference on *RECENT TRENDS IN APPLIED CHEM* sponsored by , organized by ST.JOSEPHS COLLEGE at TRICHY-2 during 10/01/2005 to 11/01/2005.
78. **"KINETICS OF OXIDATION OF TRIS-1,10-PHENANTHROLINE IRON(II) SULPHATE BY TCCA IN 50% AQUEOUS ACETIC ACID MEDIUM"** in the National conference on *RECENT TRENDS IN HETEROCYCLIC CHEMISTRY* sponsored by , organized by JAMAL MOHAMED COLLEGE at TRICHY-20 during 24/09/2004 to 25/09/2004.
79. **"ELECTROCHEMICAL REACTION OF 3,5-DINITROBENZOIC ACID"** in the National conference on *ELEVENTH NATIONAL CONVENTION OF ELETRO-CHEMISTS (NCE-11)* sponsored by SAEST, KARAUKUDI, organized by BISHOP HEBER COLLEGE at TRICHY during 26/12/2003 to 27/12/2003.

80. **"INHIBITION OF CORROSION OF ALUMINIUM IN PRESENCE OF FLUORESCEIN IN BASIC MEDIUM"** in the Select conference on *IONIC DEVICES* sponsored by , organized by Anna University at Chennai during 28/11/2003 to 30/11/2003.
81. **"INHIBITION OF CORROSION OF ALUMINIUM IN PRESENCE OF TETRAZOLE DERIVATIVES IN ACID MEDIUM"** in the National conference on *ELEVENTH NATIONAL CONVENTION OF ELECTRO-CHEMISTS (NCE-11)* sponsored by SAEST,KARAIKUDI, organized by Bishop Heber College at Tiruchirappalli during 28/11/2003 to 30/11/2003.
82. **"FLAVONE-O-RHAMNOGLUCOSIDE FROM THE FLOWERS OF CELOSIA ARGENTEA"** in the National conference on *BIO-ACTIVE POLYPHENOLS* sponsored by , organized by ANJALAI AMMAL MAHALINGAM ENG. COLLEGE at THIRUVARUR during 10/09/2003 to 11/09/2003.
83. **"PREPARATION AND CHARACTERISATION OF NICKEL COMPLEXES USING SUBSTITUTED THIOUREA"** in the National conference on *SEMINAR ON CURRENT TRENDS IN CHEMISTRY* sponsored by , organized by MADURAI KAMARAJ UNIVERSITY at MADURAI KAMARAJ UNIVERSITY, MADURAI during 21/07/2003 to 22/07/2003.
84. **"ASSESSMENT OF SOIL FERTILITY USING HEBER SOIL QUALITY INDEX – 1"** in the International conference on *SUSTAINABLE DEVELOPMENT AND MANAGEMENT OF NATURAL RESOURCES* sponsored by , organized by HOLY CROSS COLLEGE at TRICHY during 15/03/2003 to 17/03/2003.
85. **"BIOCHEMICAL ANALYSIS OF DRINKING WATER SUPPLY OF KARUR & DINDIGUL AREAS"** in the International conference on *SUSTAINABLE DEVELOPMENT AND MANAGEMENT OF NATURAL RESOURCES* sponsored by , organized by HOLY CROSS COLLEGE at Tiruchirappalli during 15/03/2003 to 15/03/2003.
86. **"IR SPECTRAL CHARACTERIZATION AND ANTIMICROBIAL STUDY OF A FEW COMPLEX WITH AZIDE ION AND PHENYLACETYL UREA"** in the National conference on *RECENT ADVANCES IN MATERIALS SCIENCE (NCMS – 2002)* sponsored by , organized by NMC at PUTHANAMPATTI during 11/12/2002 to 12/12/2002.
87. **"EFFECT OF TEPHROSIEA PURPUREA ON THE REMOVAL OF HEXAVALENT CHROMIUM FROM INDUSTRIAL EFFLUENTS"** in the National conference on – *ENVIRON – 2K1 – NATIONAL SEMINAR ON POLLUTION – A THREAT TO THE NATION* sponsored by , organized by at during 08/03/2001 to 09/03/2001.
88. **"EVALUATION OF GROUND WATER QUALITY IN RESIDENTIAL AREAS OF TIRUCHIRAPPALLI"** in the National conference on *ANALYTICAL TECHNIQUES IN MONITORING THE ENVIRONMENT* sponsored by , organized by at TIRUPATI during 18/12/2000 to 21/12/2000.
89. **"ASSESSMENT OF AIRBORNE ASBESTOS IN ASBESTOS – PIPES INDUSTRY"** in the National conference on *ANALYTICAL TECHNIQUES IN MONITORING THE ENVIRONMENT* sponsored by , organized by at TIRUPATI during 18/12/2000 to 21/12/2000.
90. **"FORMULATION OF A NEW HEBER SOIL QUALITY INDEX (HSQI) FOR RICE AND SUGARCANE CULTIVATION"** in the National conference on *STUDENTS PROJECTS ON CORRELATION ANALYSIS* sponsored by , organized by BHC at Tiruchirappalli during 03/12/2000 to 03/12/2000.
91. **"ELECTRONIC IR SPECTRAL CHARACTER OF A FEW CHROMIUM COMPLEXES"** in the National conference on *RECENT ADVANCES IN MATERIAL SCIENCE* sponsored by , organized by NMC, TRICHY at NEHRU MEMORIAL COLLEGE, PUTTANAMPATTI during 29/09/2000 to 30/09/2000.
92. **"ASSESSMENT OF POLLUTION LOAD OF RIVER CAUVERY AND ITS SEDIMENTS USING VARIOUS WATER QUALITY INDICES"** in the National conference on *CHEMISTRY OF ENV. POLLUTION AND ITS IMPACT ON HEALTH* sponsored by , organized by SRC, TRICHY at during 26/07/2000 to 27/07/2000.
93. **"FORMULATION OF A NEW WATER QUALITY INDEX – HWQI3"** in the National conference on *STUDENTS PROJECTS ON CORRELATION ANALYSIS* sponsored by , organized by BHC at BHC, TRICHY during 12/03/2000 to 12/03/2000.

94. **"MEASUREMENT OF POLLUTION LEVEL OF SOIL BY DYEING and FERTILIZER INDUSTRIES IN TRICHY AREA"** in the National conference on *A SYMPOSIUM ON ECOFRIENDLINESS* sponsored by , organized by REC at REC during 02/10/1999 to 03/10/1999.
95. **"ASSESSMENT OF EXTENT OF SOIL POLLUTION BY TANNERY EFFLUENTS"** in the National conference on *A SYMPOSIUM ON ECOFRIENDLINESS* sponsored by REC, organized by at Tiruchirappalli during 02/10/1999 to 03/10/1999.
96. **"COMPARATIVE STUDY OF QUALITY OF WATER FROM TEMPLE PONDS"** in the National conference on *A SYMPOSIUM ON ECOFRIENDLINESS* sponsored by , organized by REC at REC, TRICHY during 02/10/1999 to 03/10/1999.
97. **"PREPARATION AND CHARACTERIZATION OF METALLO COMPLEXES"** in the National conference on *RECENT RESEARCH IN COORDINATION CHEMISTRY* sponsored by REC, organized by REC at Tiruchirappalli during 04/03/1999 to 05/03/1999.
98. **"A PRELIMINARY WORK ON THE POLLUTION OF RIVER WATERS"** in the State conference on *ENVIRONMENTAL CHEMISTRY AND AWARENESS* sponsored by TNSCST, organized by BHC at BHC during 23/01/1999 to 23/01/1999.
99. **"A STUDY ON THE APPLICABILITY OF A NEW WATER QUALITY INDEX – HWQI1"** in the National conference on *INDIAN COUNCIL OF CHEMISTS – 17TH CONFERENCE* sponsored by , organized by at UNIVERSITY OF MADRAS during 26/09/1998 to 28/09/1998.
100. **"Inhibition of corrosion of Aluminium in 1N NaOH by S-benzyl-iso-thiourowniumbenzoate"** in the National conference on *EIGHTH NATIONAL CONGRESS ON CORROSION CONTROL* sponsored by , organized by kochi at Kerala during 09/09/1998 to 11/09/1998.
101. **"FORMULATION OF A NEW WATER QUALITY INDEX FOR THE RIVER WATERS IN INDIA."** in the National conference on *National Seminar on TRENDS IN CHEMICAL EDUCATION AND RESEARCH* sponsored by , organized by LOYOLA COLLEGE, CHENNAI at LOYOLA COLLEGE, CHENNAI during 23/11/1995 to 25/11/1995.
102. **"Study on the impact of industrial effluents in streams and land"** in the National conference on *Tamil Science Congress* sponsored by , organized by Pondicherry University at Pondicherry during 24/12/1994 to 26/12/1994.



1. **"Facile fabrication of ZrV2O7 nanostructures as an electrode material for supercapacitors"** published in Inorganic Chemistry Communications (PEER REVIEW) Vol. 153, Issue No. , July 2023 ISSN : 1387-7003.
2. **"Construction of CuV2O6-nanostructured electrode material for supercapacitors"** published in MRS Communications (PEER REVIEW) Vol. 13, Issue No. , April 2023 ISSN : 7259-6867.
3. **"Dahlia flower like-layered γ -MnO₂/B@g-C₃N₄ nanocomposite for visible Light-Induced photocatalytic removal of tetracycline"** published in Optical Materials (PEER REVIEW) Vol. 136, Issue No. , February 2023 ISSN : 0925-3467.
4. **"Fabrication of SrWO₄/PPy composite as electrode material for high-performance supercapacitors"** published in Optical Materials (PEER REVIEW) Vol. 142, Issue No. , January 2023 ISSN : 0925-3467.
5. **"Facile synthesis of platelet-like zirconium tungstate nanostructures for high-performance supercapacitors"** published in International Journal of Energy Research (PEER REVIEW) Vol. 46, Issue No. , October 2022 ISSN : 1099-114X.
6. **"Robust fabrication of silver pyro-vanadates via sonochemical approach for advanced energy storage application"** published in Journal of Alloys and Compounds (PEER REVIEW) Vol. 893, Issue No. , October 2022 ISSN : 0925-8388.
7. **"Effective conversion of Cassia fistula dry fruits biomass into porous activated carbon for supercapacitors"** published in Materials Chemistry and Physics (PEER REVIEW) Vol. 286, Issue No. 0254-0584, July 2022 ISSN : 0254-0584.
8. **"Effective conversion of Cassia fistula dry fruits biomass into porous activated carbon for supercapacitors"** published in Materials Chemistry and Physics (PEER REVIEW) Vol. 286, Issue No. 0254-0584, July 2022 ISSN : 0254-0584.
9. **"Systematic Investigation on the Electrochemical Performance of Cd-doped ZnO as a Novel Electrode Material for Energy Storage Devices, Journal of Physics and Chemistry of Solids"** published in Journal of Physics and Chemistry of Solids (PEER REVIEW) Vol. 161, Issue No. , February 2022 ISSN : 0022-3697.
10. **"One-Pot Green Recovery of Copper Oxide nanoparticles from Discarded Printed Circuit Boards for electrode material in Supercapacitor Application"** published in Resources, Conservation and Recycling (PEER REVIEW) Vol. 180, Issue No. , January 2022 ISSN : 0921-3449.
11. **"Fabrication of CoWO₄/PANI composite as electrode material for energy storage applications"** published in Journal of Physics and Chemistry of Solids (PEER REVIEW) Vol. , Issue No. , November 2021 ISSN : 0022-3697.

12. **"Walnut Shell derived Mesoporous Activated carbon for High Performance Electrical Double Layer Capacitors"** published in Journal of Electroanalytical Chemistry (PEER REVIEW) Vol. 901, Issue No. , November 2021 ISSN : 1452-3981.
13. **"Single step auto-igniting combustion technique grown CeO₂ and Ni-doped CeO₂ nanostructures for multifunctional applications"** published in Journal of Alloys and Compounds (PEER REVIEW) Vol. 882, Issue No. , November 2021 ISSN : 0925-8388.
14. **"Enhanced Electrochemical performance of Aminophenol-modified ZnO as electrode material for Supercapacitors"** published in Ionics (PEER REVIEW) Vol. , Issue No. , October 2021 ISSN : 0947-7047.
15. **"A Simple Conversion of Expired medicines into Non- toxic Activated Carbon for Energy Storage Applications"** published in International Journal of Energy Research (PEER REVIEW) Vol. , Issue No. , October 2021 ISSN : 0363-907X.
16. **"Investigation on NiWO₄/PANI Composite as Electrode Material for Energy Storage Devices"** published in New Journal of Chemistry (PEER REVIEW) Vol. 45, Issue No. , October 2021 ISSN : 1369-9261.
17. **"Fabrication of Co₃O₄ nanoparticles decorated porous activated carbon electrode for the electrochemical detection of 4-nitrophenol"** published in New Journal of Chemistry (PEER REVIEW) Vol. 45, Issue No. 39, September 2021 ISSN : 1369-9261.
18. **"Enhanced electrochemical behaviour of FeCo₂O₄/PANI Electrode materials for Supercapacitors"** published in Journal of Alloys and Compounds (PEER REVIEW) Vol. 874, Issue No. , September 2021 ISSN : 0925-8388.
19. **"Tuning the efficiency of CoFe₂O₄@ rGO composite by Encapsulating Ag Nanoparticles for the photocatalytic degradation of Methyl violet dye and Energy storage systems"** published in New Journal of Chemistry (PEER REVIEW) Vol. 45, Issue No. 37, August 2021 ISSN : 1369-9261.
20. **"Synthesis and characterization of Sr-doped CdO nanoplatelets for supercapacitor Applications"** published in Journal of materials science:material electronics (PEER REVIEW) Vol. , Issue No. , June 2021 ISSN : 1573-482X.
21. **"Facile synthesis of Zn₃V₂O₈ nanostructured material and its enhanced supercapacitive performance"** published in Journal of Alloys and Compounds (PEER REVIEW) Vol. 861, Issue No. , April 2021 ISSN : 0925-8388.
22. **"A simple chemical approach for synthesis of Sr₂Co₂O₅ nanoparticles and its application in the detection of chloramphenicol and in energy storage systems"** published in Journal of Electroanalytical Chemistry (PEER REVIEW) Vol. 880, Issue No. , January 2021 ISSN : 1572-6657.
23. **"Recovery of copper oxide nanoparticles from waste SIM cards for supercapacitor electrode material"** published in Journal of Alloys and Compounds (PEER REVIEW) Vol. 849, Issue No. , December 2020 ISSN : 0925-8388.

24. **"Synergistic Effect of Co₃O₄ Nanoparticles with Bauhinia vahlii Dry Fruits Derived Activated Carbon on Energy Storage Applications"** published in Journal of Solid State Chemistry (PEER REVIEW) Vol. 295, Issue No. , December 2020 ISSN : 0022-4596.
25. **"Simple Colorimetric and Fluorescence Chemosensing Probe for Selective Detection of Sn²⁺ Ions in an Aqueous Solution: Evaluation of the Novel Sensing Mechanism and Its Bioimaging Applications"** published in Analytical Chemistry (PEER REVIEW) Vol. 93, Issue No. 2, December 2020 ISSN : 16083199.
26. **"Simple and selective optical biosensor using Ultrasonicator synthesis of (E)-5-((anthracen-9-ylmethylene) amino)-2,3-dihydrophthalazine-1, 4-dione for direct detection of ascorbic acid in vegetables and fruits."** published in Food Chemistry (PEER REVIEW) Vol. 322, Issue No. , December 2020 ISSN : 0308-8146.
27. **"Fabrication of CuCo₂O₄/PANI nanocomposite as advanced Electrode for High Performance Supercapacitor"** published in Sustainable Energy & Fuels (PEER REVIEW) Vol. 4, Issue No. 10, August 2020 ISSN : 2398-4902.
28. **"Electrochemical investigation of Zr-doped ZnO nanostructured electrode material for high-performance supercapacitor"** published in Ionics (PEER REVIEW) Vol. 26, Issue No. 11, July 2020 ISSN : 0947-7047.
29. **"Naphthoquinone-Dopamine Linked Colorimetric and Fluorescence Chemosensor for Selective Detection of Sn²⁺ Ion in Aqueous Medium and Its Bio-Imaging Applications"** published in Sustainable Chemical Engineering (PEER REVIEW) Vol. 8, Issue No. 29, June 2020 ISSN : 2168-0485.
30. **". Sonochemical Assisted Leaching of Aluminium oxide Nanoparticles from Domestic Aluminium wastes as Non-toxic Electrode Material for Energy Storage Application."** published in Journal of Electrochemical Society (PEER REVIEW) Vol. 167, Issue No. 11, June 2020 ISSN : 0013-4651.
31. **"Effect of annealing temperature on structural, optical and visible light photocatalytic performance of CaTiO₃ catalysts synthesized by simple sol-gel technique."** published in Inorganic Chemistry Communication (PEER REVIEW) Vol. 119, Issue No. , June 2020 ISSN : 1387-7003.
32. **"Sonochemical Synthesis and Fabrication of Neodymium Sesquioxide Entrapped with Graphene Oxide based Hierarchical Nanocomposite for Highly Sensitive Electrochemical Sensor of Anti-cancer (Raloxifene) Drug."** published in Ultrasonics Sonochemistry (PEER REVIEW) Vol. 64, Issue No. 1350-4177, June 2020 ISSN : 1350-4177.
33. **"Sonochemical Synthesis and Fabrication of Neodymium Sesquioxide Entrapped with Graphene Oxide based Hierarchical Nanocomposite for Highly Sensitive Electrochemical Sensor of Anti-cancer (Raloxifene) Drug."** published in Ultrasonics Sonochemistry (PEER REVIEW) Vol. 64, Issue No. 1350-4177, June 2020 ISSN : 1350-4177.
34. **"Study on the Electrochemical Behavior of BiVO₄/PANI composite as a high Performance Supercapacitor Material with Excellent Cyclic stability"** published in Journal of Electroanalytical Chemistry (PEER REVIEW) Vol. 861, Issue No. , March 2020 ISSN : 1572-6657.
35. **"Facile synthesis of Eu-doped CaTiO₃ and their enhanced supercapacitive performance"** published in Ionics (PEER REVIEW) Vol. 26, Issue No. 7, March 2020 ISSN : 0947-7047.

36. **"Enhanced Electrochemical behaviour of Co-MOF/PANI composite Electrode for Supercapacitors"** published in Inorganica Chimica Acta (PEER REVIEW) Vol. 502, Issue No. , March 2020 ISSN : 0020-1693.
37. **"Sonochemically recovered Aluminium oxide nanoparticles from domestic aluminium wastes as a highly stable electrocatalyst for proton-pump inhibitor (omeprazole) detection",** published in Journal of ElectroChemical Society (PEER REVIEW) Vol. 167, Issue No. 2, January 2020 ISSN : 0013-4651.
38. **"Naphthoquinone-Based Colorimetric and Fluorometric Dual-Channel Chemosensor for the Detection of Fe²⁺ Ion and Its Application in Bio-Imaging of Live Cells and Zebrafish"** published in ACS Sustainable Chemistry and Engineering (PEER REVIEW) Vol. 7, Issue No. , September 2019 ISSN : 2168-0485.
39. **"Sustainable porous activated carbon from Polyalthia longifolia seeds as electrode material for supercapacitor application"** published in Journal of Electroanalytical Chemistry (PEER REVIEW) Vol. 849, Issue No. , September 2019 ISSN : 1572-6657.
40. **"Bio-assisted Hydrothermal Synthesis and Characterization of MnWO₄ Nanorods for High-Performance Supercapacitor Applications"** published in Journal of Electronic Materials (PEER REVIEW) Vol. 48, Issue No. 11, August 2019 ISSN : 0361-5235.
41. **"A phenoxazine-based fluorescent chemosensor for dual channel detection of Cd²⁺ and CN⁻ ions and its application to bio-imaging in live cells and zebrafish"** published in Dyes and Pigments (PEER REVIEW) Vol. 172, Issue No. , August 2019 ISSN : 0143-7208.
42. **"Electrochemical Detection of Trace Amounts of Arsenic (III) in Poultry Using a Graphene Oxide-Bis (2-(4, 5-diphenyl-1H-imidazol-2-yl) phenoxy) Cobalt Composite Modified Electrode."** published in Journal of Electronic Materials (PEER REVIEW) Vol. 48, Issue No. 7, July 2019 ISSN : 0361-5235.
43. **"Simple Fluorescence Turn-On Chemosensor for Selective Detection of Ba²⁺ Ion and Its Live Cell Imaging"** published in Analytical Chemistry (PEER REVIEW) Vol. 91, Issue No. , June 2019 ISSN : 15206882.
44. **"Electrochemical Performance of L-Tryptophanum picrate as an efficient electrode material for Supercapacitor Application"** published in Physicalchemistry chemical physics (PEER REVIEW) Vol. 21, Issue No. 22, June 2019 ISSN : 1463-9076.
45. **"Electrochemical Studies on Tamarindus indica Fruit Shell Bio-Waste Derived Nanoporous Activated Carbons for Supercapacitor Applications"** published in Journal of Nanoscience and Nanotechnology. (PEER REVIEW) Vol. 19, Issue No. 6, June 2019 ISSN : 3388-3397.
46. **"A fascinating multifunctional bis (2-(4, 5-diphenyl-1H-imidazol-2-yl) phenoxy) nickel complex: An excellent electrode material for supercapacitor and uric acid sensor."** published in Materials Research Bulletin (PEER REVIEW) Vol. 118, Issue No. , May 2019 ISSN : 0025-5408.
47. **"Low cost activated carbon derived from Cucumis melo fruit peel for electrochemical supercapacitor application."** published in Applied Surface Science (PEER REVIEW) Vol. 486, Issue No. , May 2019 ISSN : 0169-4332.

48. **"Enhanced luminescence efficiency of structurally tailored new coumarin- based heterocyclic organic materials: a DFT/TD-DFT study"** published in Theoretical Chemistry Accounts (PEER REVIEW) Vol. 138, Issue No. 4, April 2019 ISSN : 1432-2234.
49. **"Development of a electrochemical sensor for the detection of 2, 4-dichlorophenol using a polymer nanocomposite of rGO"** published in Journal of Materials Science-Materials in Electronics (PEER REVIEW) Vol. 30, Issue No. 7, March 2019 ISSN : 0022-2461.
50. **"DFT-TDDFT framework of diphenylamine based mixed valence compounds for optoelectronic applications–Structural modification of p-acceptors."** published in Computational Materials Science (PEER REVIEW) Vol. 162, Issue No. , February 2019 ISSN : 0927-0256.
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52. **"HRGO–Co@ SnO2 Nanocomposite for Electrochemical Detection of Hydrazine."** published in Journal of Electronic Materials (PEER REVIEW) Vol. 48, Issue No. 1, October 2018 ISSN : 0361-5235.
53. **"Pronounced Luminescence Efficiency and Thermal Stability of Small imidazole architect (1, 4, 5-triphenyl-1H-imidazol-2-yl)phenol for efficient non-doped blue OLEDs"** published in Journal of Photochemistry and Photobiology A: Chemistry (PEER REVIEW) Vol. 365, Issue No. , October 2018 ISSN : 1010-6030. 2-
54. **"Cost Effective Synthesis of Copper-1H-imidazole@ Activated Carbon Metal Organic Framework as the electrode material for Supercapacitor applications"** published in New Journal of Chemistry (PEER REVIEW) Vol. 42, Issue No. 12, May 2018 ISSN : 1144-0546.
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57. **"Aloe vera (L.) Burm.f. extract reduced graphene oxide for supercapacitor application"** published in Journal of Materials Science: Materials in Electronics (PEER REVIEW) Vol. 28, Issue No. 0957-4522, July 2017 ISSN : 0957-4522.
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59. **"Aloe vera (L.) Burm.f. extract reduced graphene oxide for supercapacitor application"** published in Journal of Materials Science: Materials in Electronics (PEER REVIEW) Vol. 28, Issue No. 0957-4522, July 2017 ISSN : 0957-4522.

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62. **"Reduced Graphene Oxide Supported Cobalt Bipyridyl Complex for Sensitive Detection of Methyl Parathion in Fruits and Vegetables"** published in Electroanalysis (PEER REVIEW) Vol. 29, Issue No. 8, May 2017 ISSN : 1040-0397.
63. **"A facile sonochemical assisted synthesis of a-MnMoO₄/PANI nanocomposite electrode for supercapacitor applications"** published in Journal of Electroanalytical Chemistry (PEER REVIEW) Vol. 797, Issue No. , May 2017 ISSN : 1572-6657.
64. **"Synthesis, Characterization and Solvatochromic Studies Using the Solvent Polarity Parameter, ENT on 2-Chloro-3-Ethylamino-1, 4-Naphthoquinone"** published in Journal of Fluorescence (PEER REVIEW) Vol. 27, Issue No. 4, April 2017 ISSN : 1053-0509.
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66. **"Electrochemical sensing of glucose and photocatalytic performance of porous Co₃O₄ films by nebulizer spray technique"** published in Materials Chemistry and Physics (PEER REVIEW) Vol. 186, Issue No. , January 2017 ISSN : 1879-3312.
67. **"Electrochemical Detection of Norepinephrine Using Sponge-like Co₃O₄ Modified Screen-printed Carbon Electrode"** published in International Journal of Electrochemical Science (PEER REVIEW) Vol. 12, Issue No. 11, January 2017 ISSN : 1452-3981.
68. **"Highly Sensitive Determination of Folic Acid Using Graphene Oxide Nanoribbon Film Modified Screen Printed Carbon Electrode"** published in International Journal of Electrochemical Science (PEER REVIEW) Vol. 12, Issue No. , January 2017 ISSN : 1452-3981.
69. **"Determination of Folic Acid Using Graphene/Molybdenum Disulfide Nanosheets/Gold Nanoparticles Ternary Composite"** published in International Journal of Electrochemical Science (PEER REVIEW) Vol. 12, Issue No. , December 2016 ISSN : 1452-3981.
70. **"Polyaniline/nickel Composite Film Modified Electrode for Sensitive Electrochemical Determination of Ascorbic Acid"** published in International Journal of Electrochemical Science (PEER REVIEW) Vol. 11, Issue No. , December 2016 ISSN : 1452-3981. Science
71. **"Simultaneous determination of dopamine and uric acid in the presence of high ascorbic acid concentration using cetyltrimethylammonium bromide–polyaniline/activated charcoal composite"** published in RSC Advances (PEER REVIEW) Vol. 6, Issue No. 102, October 2016 ISSN : 2046-2069.

72. **"Sensitive and Selective Determination of Uric Acid Using Polyaniline and Iron Composite Film Modified Electrode"** published in International Journal of Electrochemical Science (PEER REVIEW) Vol. 11, Issue No. 10, September 2016 ISSN : 1452-3981.
73. **"Multicomponent Reactions an Efficient and Green Approach to Imidazole Derivatives"** published in International Journal of Applied Research (PEER REVIEW) Vol. 2, Issue No. 7, January 2016 ISSN : 2394-5869.
74. **"Catalyst Free Synthesis of Imidazole: Characterization and its Antimicrobial activity"** published in International Journal of Chem. Pharm. Research (PEER REVIEW) Vol. 8, Issue No. , January 2016 ISSN : 0975-7384.
75. **"Mediatorless Microbial Fuel Cell with Nafion-115 and Salt bridge as Proton Exchange Membrane"** published in Indian journal of Applied Research (PEER REVIEW) Vol. 4, Issue No. 8, August 2014 ISSN : 2249-555X.
76. **"Electrochemical Oxidation of Vitamin C Mediated by Nano ZrO₂ Modified GC Electrode"** published in International Journal of Universal Pharmacy and Bio Sciences (PEER REVIEW) Vol. , Issue No. , June 2014 ISSN : 2319-8141.
77. **"Photo degradation of Methyl red using Ag-doped Fe₃O₄ nanoparticle"** published in International Journal of Chemical and Environmental Engineering (PEER REVIEW) Vol. 8, Issue No. 4, August 2012 ISSN : 2078-0737.
78. **"Utilisation of Agricultural Wastes for decolourisation of Congo Red"** published in International Journal of Chemical and Environmental Engineering (PEER REVIEW) Vol. 3, Issue No. 1, February 2012 ISSN : 2078-0737.
79. **"Enhanced Photocatalytic degradation of Azo dyes using nanoFe₃O₄"** published in Journal of Iranian Chemical Society (PEER REVIEW) Vol. 9, Issue No. 2, January 2012 ISSN : 1735-207X.
80. **"Inhibition action of Tryptophan on the corrosion of commercial mildsteel in 1M HCl"** published in Bulletin of electrochemistry (PEER REVIEW) Vol. 22, Issue No. , January 2006 ISSN : 0256-1654.
81. **"Inhibition of Corrosion of Commercial Mild Steel in the presence of tetrazole derivatives in acid medium"** published in International Journal of Ionics (PEER REVIEW) Vol. 10, Issue No. 1-2, February 2004 ISSN : 0947-7047.
82. **"Inhibition of Corrosion of Aluminium in the presence of Fluorescein in basic medium"** published in International Journal of Ionics (PEER REVIEW) Vol. 10, Issue No. 2, February 2004 ISSN : 0947-7047.
83. **"Assessment of Airborne Asbestos in Asbestos Pipes Manufacturing Industry"** published in Journal of Ecotoxicology & Environmental Monitoring (PEER REVIEW) Vol. 13, Issue No. , April 2003 ISSN : 0971-0965.

84. **"Evaluation of ground water quality in residential areas of Tiruchirappalli"** published in Indian Journal of Environmental protection (PEER REVIEW) Vol. 22, Issue No. 2, January 2002 ISSN : ---.
85. **"Pollution Load of Temple Ponds at Tiruchirappalli"** published in Journal of Ecotoxicology & Environmental Monitoring (PEER REVIEW) Vol. 11, Issue No. 2, January 2001 ISSN : 0971-0965.
86. **"Formulation of a new Heber Soil Quality Index (HSQI) for Rice and Sugarcane cultivation"** published in Pollution Research (PEER REVIEW) Vol. 19, Issue No. 3, March 2000 ISSN : 0257-8050.
87. **" Formulation of a new Water Quality Index HWQI2"** published in Indian Journal of Environmental protection (PEER REVIEW) Vol. 19, Issue No. 11, November 1999 ISSN : 0253-7141.
88. **"Formulation of a new Water Quality Index HWQI3"** published in Journal of Ecotoxicology and Environmental Monitoring (PEER REVIEW) Vol. 19, Issue No. 11, November 1999 ISSN : 0971-0965.
89. **"A Study on the Applicability of a new Water Quality Index – HWQI1"** published in Indian Journal of Environmental Protection (PEER REVIEW) Vol. 19, Issue No. 43-47, January 1999 ISSN : 0253-7141.
90. **"Inhibition of Corrosion of Aluminium by some bakelites in 1M NaOH solution"** published in Transactions of SAEST (PEER REVIEW) Vol. 33, Issue No. , April 1998 ISSN : 0036-0678.

Books Published / Edited

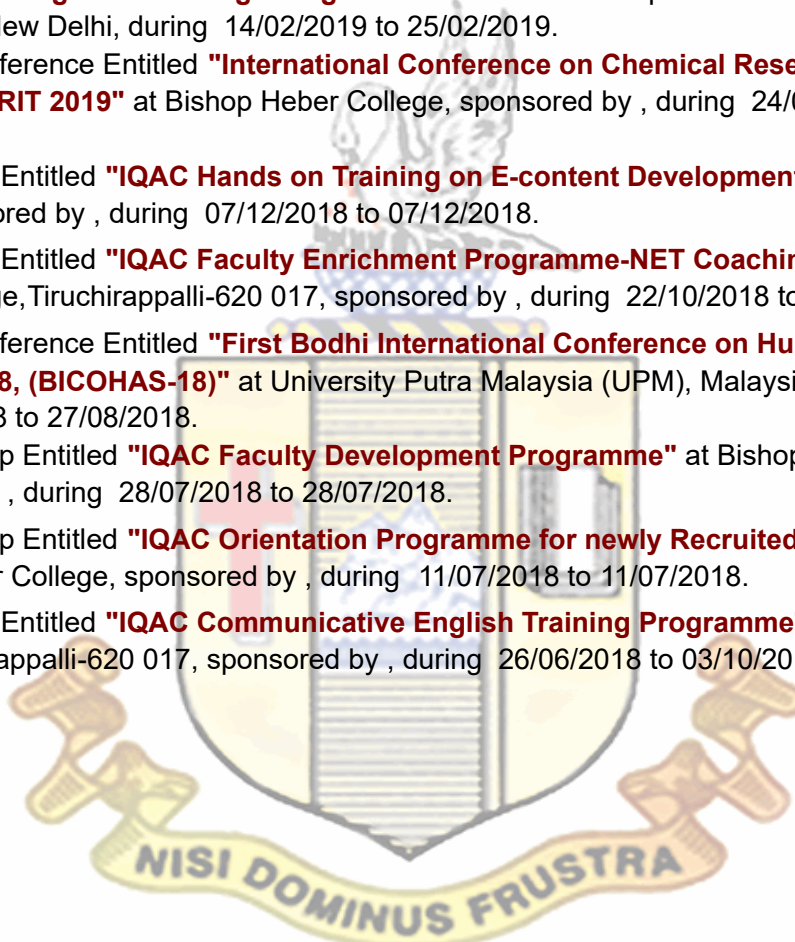
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- * Dr.J.Princy Merlin . **Focus- Heber's Chemistry Q & A for Undergraduates**. PG & Research Department of Chemistry, Bishop Heber College, Trichy-17 : Department of Chemistry,Bishop Heber College(Autonomous),Tiruchirappalli-620017 , August 2019.

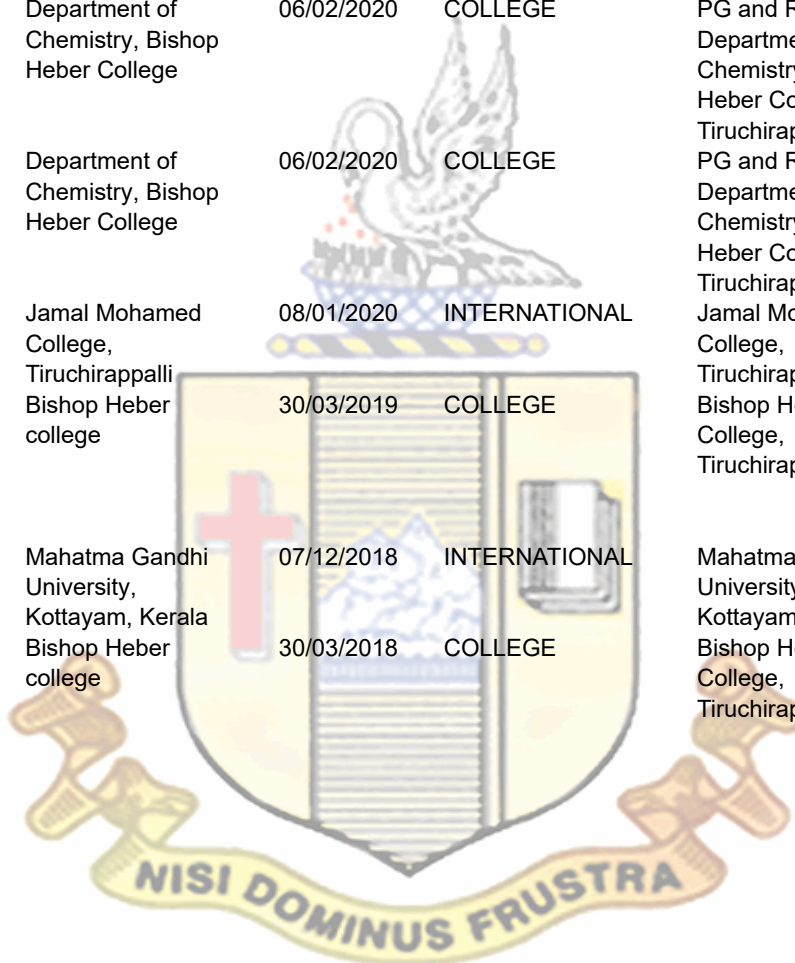
1. College level Seminar Entitled **"Career Guidance and Soft Skill Development program "We Nurture your Future""** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 09/03/2021 to 09/03/2021.
2. College level Seminar Entitled **"Faculty Development program on "Communication Skills and Scientific Reporting""** at Department of Chemistry,Bishop Heber College, sponsored by , during 01/03/2021 to 20/03/2021.
3. College level Seminar Entitled **" "International Seminar Series on Chemistry", National Science Day Celebration- IPR, Significance & Applications"** at Department of Chemistry,Bishop Heber College, sponsored by , during 28/02/2021 to 28/02/2021.
4. College level Seminar Entitled **"Break-throughs in Material Science"** at Department of Chemistry,Bishop Heber College, sponsored by , during 26/02/2021 to 26/02/2021.
5. College level Seminar Entitled **"One day workshop on Lab Equipments-Care and Maintenance"** at Department of Chemistry,Bishop Heber College, sponsored by , during 19/02/2021 to 19/02/2021.
6. College level Seminar Entitled **"Online Internship program"** at Department of Chemistry,Bishop Heber College, sponsored by , during 18/02/2021 to 18/02/2021.
7. College level Seminar Entitled **"NACC Reaccreditation preparation process Meeting with Non-Teaching staff"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 11/02/2021 to 11/02/2021.
8. College level Seminar Entitled **"IIC – COUNCIL QUARTER – II MEETING - IPR Activity"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 08/02/2021 to 08/02/2021.
9. College level Seminar Entitled **"A Webinar on Intellectual Property Rights – Deanery of R & D and IQAC, IIC,"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 06/02/2021 to 06/02/2021.
10. International level Conference Entitled **"Frontier in Chemical Research, PG & Research Department of Chemistry"** at Bishop Heber college, sponsored by , during 03/02/2021 to 04/02/2021.
11. College level Seminar Entitled **"IQAC, 'Review meeting on Academic Audit for the department got low score in Academic Audit'"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 01/02/2021 to 02/02/2021.
12. College level Seminar Entitled **"Faculty Enrichment Workshop on Computational Chemistry and Drug Design"** at Bishop Heber college, sponsored by , during 05/01/2021 to 08/01/2021.
13. College level Seminar Entitled **"IQAC, "NACC criterion wise core team members"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 17/12/2020 to 18/12/2020.
14. College level Seminar Entitled **"Workshop on Application of Statistical Tools in Evaluation"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 12/12/2020 to 12/12/2020.
15. College level Seminar Entitled **"Chemcloud – Launching"** at Department of Chemistry,Bishop Heber College,Tiruchirappalli-620 017., sponsored by , during 11/12/2020 to 11/12/2020.
16. College level Seminar Entitled **"The Legacy of Achievement"** at Department of Chemistry,Bishop Heber College,Tiruchirappalli-620 017., sponsored by , during 08/12/2020 to 08/12/2020.
17. College level Seminar Entitled **"Webinar on Implementation of National Education Policy 2020 (for the staff member with Administrative responsibilities)"** at Bishop Heber college,Tiruchirappalli-620 017, sponsored by , during 04/12/2020 to 04/12/2020.
18. College level Seminar Entitled **"Self- Efficacy Enhancement"** at Department of Chemistry,Bishop Heber College,Tiruchirappalli-620 017., sponsored by , during 03/12/2020 to 03/12/2020.
19. College level Seminar Entitled **"Greener Living"** at Department of Chemistry,Bishop Heber College,Tiruchirappalli-620 017., sponsored by , during 02/12/2020 to 02/12/2020.

20. College level Seminar Entitled **"Heber Centre of Excellence"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 01/12/2020 to 01/12/2020.
21. College level Seminar Entitled **"IQAC Faculty Enrichment Programme-NET Coaching (Arts)"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 19/11/2020 to 20/11/2020.
22. College level Seminar Entitled **"Right Strategy at Right Time"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 19/11/2020 to 19/11/2020.
23. College level Seminar Entitled **"IIC – COUNCIL QUARTER – I IPR Activity"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 12/11/2020 to 12/11/2020.
24. College level Seminar Entitled **"NACC Reaccreditation preparation meeting with Experts, Criterion Leaders and Members,"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 10/11/2020 to 12/11/2020.
25. College level Seminar Entitled **"Online Internship Programme"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 09/11/2020 to 12/11/2020.
26. College level Seminar Entitled **"Elocution Contest – You too can become KALAM"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 05/11/2020 to 05/11/2020.
27. College level Seminar Entitled **"E- Lecture Workshop on Advances in Chemical Sciences"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 04/11/2020 to 04/11/2020.
28. College level Seminar Entitled **"Logical Perception of Problems"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 23/10/2020 to 23/10/2020.
29. College level Seminar Entitled **"Capacity Building Programme Theme: A Roadmap to Whole Person Education"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 13/10/2020 to 16/10/2020.
30. College level Seminar Entitled **"The Roadmap To Effective Online Teaching,"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 01/10/2020 to 01/10/2020.
31. College level Seminar Entitled **"IQAC, Faculty induction programme"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 29/09/2020 to 29/09/2020.
32. College level Seminar Entitled **"Overview of Using Effective Video cum Audio Recording Tools for Use in Online Practical Classes"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 08/09/2020 to 08/09/2020.
33. College level Seminar Entitled **"Orientation to Past and Present Student About GCR"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 02/07/2020 to 02/07/2020.
34. College level Seminar Entitled **"Flipped Classrooms"** at Department of Electrical and Electronics Engineering, NIT, Tiruchirappalli-620 015., sponsored by , during 21/05/2020 to 21/05/2020.
35. College level Seminar Entitled **"Meet a Scientist ISRO, Shri. V. Renganathan"** at Deanery of Academics, Bishop Heber College, Tiruchirappalli-620 017, sponsored by , during 06/03/2020 to 06/03/2020.
36. College level Seminar Entitled **"Meet a Scientist Vision and Mission for New India, Dr. Daniel Chellappa, BARC, Chennai"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 05/03/2020 to 05/03/2020.
37. College level Seminar Entitled **"International Seminar Series on Chemistry", National Science Day Celebration- IPR, Significance & Applications"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017., sponsored by , during 28/02/2020 to 28/02/2020.
38. State level Workshop Entitled **"AITC Workshop"** at Department of Chemistry, sponsored by , during 05/02/2020 to 06/02/2020.

39. College level Workshop Entitled **"STIR Workshop"** at Department of Chemistry, sponsored by , during 17/10/2019 to 18/10/2019.
40. College level Seminar Entitled **"IQAC, The Capacity Building Programme"** at Bishop Heber college, sponsored by , during 31/08/2019 to 31/08/2019.
41. College level Workshop Entitled **"IGNITE 2019"** at Bishop Heber college, sponsored by DBT-STAR COLLEGE SCHEME, during 24/06/2019 to 25/06/2019.
42. College level Seminar Entitled **"IQAC Faculty Enrichment Programmes"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 19/06/2019 to 20/06/2019.
43. College level Workshop Entitled **"NAAC Sponsored Two day Workshop on Benchmarking The Best Practices in Teaching and Learning in Higher Education"** at Bishop Heber college, sponsored by NAAC, New Delhi, during 14/02/2019 to 25/02/2019.
44. International level Conference Entitled **"International Conference on Chemical Research and Innovations Today- CRIT 2019"** at Bishop Heber College, sponsored by , during 24/01/2019 to 24/01/2019.
45. College level Seminar Entitled **"IQAC Hands on Training on E-content Development"** at Bishop Heber College, sponsored by , during 07/12/2018 to 07/12/2018.
46. College level Seminar Entitled **"IQAC Faculty Enrichment Programme-NET Coaching (Science)"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 22/10/2018 to 23/10/2018.
47. International level Conference Entitled **"First Bodhi International Conference on Humanities, Arts and Science-2018, (BICOHAS-18)"** at University Putra Malaysia (UPM), Malaysia, sponsored by , during 24/08/2018 to 27/08/2018.
48. College level Workshop Entitled **"IQAC Faculty Development Programme"** at Bishop Heber College, sponsored by , during 28/07/2018 to 28/07/2018.
49. College level Workshop Entitled **"IQAC Orientation Programme for newly Recruited Members of Staff"** at Bishop Heber College, sponsored by , during 11/07/2018 to 11/07/2018.
50. College level Seminar Entitled **"IQAC Communicative English Training Programme"** at Bishop Heber college, Tiruchirappalli-620 017, sponsored by , during 26/06/2018 to 03/10/2018.



Award Name	Presented by	Year	Level	Instituted by / Place	amount
Best Researcher Award -Senior Category (Sciences)	Bishop Heber College, Tiruchirappalli	08/03/2023	COLLEGE	Bishop Heber College, Tiruchirappalli	2500
Best Researcher Award-Senior Category(Sciences) in the Science Discipline for the Academic 2020-2021	Bishop Heber college	01/03/2021	COLLEGE	Bishop Heber College, Tiruchirappalli	2000
Best Poster Award - I	Department of Chemistry, Bishop Heber College	06/02/2020	COLLEGE	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli	-
Best Poster Award - II - Young Investigators Meet 2020	Department of Chemistry, Bishop Heber College	06/02/2020	COLLEGE	PG and Research Department of Chemistry, Bishop Heber College, Tiruchirappalli	-
Best Paper Award	Jamal Mohamed College, Tiruchirappalli	08/01/2020	INTERNATIONAL	Jamal Mohamed College, Tiruchirappalli	-
Best Researcher Award-Senior Category(Sciences) in the Science Discipline for the Academic 2018-2019	Bishop Heber college	30/03/2019	COLLEGE	Bishop Heber College, Tiruchirappalli	1500
Best Poster Award - III	Mahatma Gandhi University, Kottayam, Kerala	07/12/2018	INTERNATIONAL	Mahatma Gandhi University, Kottayam, Kerala	-
Best Researcher Award-Senior Category(Sciences) in the Science Discipline for the Academic 2017-2018	Bishop Heber college	30/03/2018	COLLEGE	Bishop Heber College, Tiruchirappalli	1500



1. Minor project entitled **"Novel Sustainable NiO/Activated carbon Catalytic converter to Reduce Carbon Monoxide from Gasoline Vehicles"** (*PRINCIPAL INVESTIGATOR*), Sponsored by TNSCST, during 01/08/2019 to 3/1/2020 [Completed].
2. Major project entitled **"Science Through Inquiry based Research"** (*PRINCIPAL INVESTIGATOR*), Sponsored by United Board for Christian Higher Education Asia, during 01/06/2019 to 12/1/2020 [Completed].
3. Minor project entitled **"Recovery of Alumina from Hotel Waste Packing Materials for High Performance Supercapacitor Electrode Materials"** (*PRINCIPAL INVESTIGATOR*), Sponsored by TNSCST, during 08/08/2018 to 3/28/2019 [Completed].
4. Major project entitled **"Designing benzothiazoles and oxadiazoles through synthesis and DFT-TDDFT studies for better OLED applications"** (*PRINCIPAL INVESTIGATOR*), Sponsored by DST-WoS, during 01/06/2017 to 8/1/2019 [Completed].
5. Minor project entitled **"Effect of solvent on the Substitution Reactions on Chromium(III) complexes"** (*PRINCIPAL INVESTIGATOR*), Sponsored by UGC, during 03/04/2007 to 6/10/2008 [Completed].
6. Minor project entitled **"Kinetics and Mechanism of Reactions of Metal Complexes with Trichloroisocyanuric acid"** (*PRINCIPAL INVESTIGATOR*), Sponsored by UGC, during 14/04/1999 to 5/16/2001 [Completed].



1. College level Judge on **"Heber Innovator – Arts, Sciences & Computer Applications"** at Bishop Heber College, Tiruchirappalli-620 017, 28/06/2021.
2. College level Special Lecture on **"National Webinar on women health: PCOS and MOU Signing with the Department of Microbiology, Pondicherry University"** at Department of Biotechnology & Bioinformatics, Bishop Heber College, Tiruchirappalli-620 017, 19/02/2021.
3. College level Resource Person on **"Session on identifying intellectual property component at the early stage on innovation"** at Bishop Heber College, Tiruchirappalli-620 017, 08/02/2021.
4. College level Panel Member on **"Life Science Discipline – R&D - Selection of Minor Management Projects"** at Bishop Heber College, Tiruchirappalli-620 017, 14/12/2020.
5. College level Panel Member on **"Other Science Discipline – R&D - Selection of Minor Management Projects"** at Bishop Heber College, Tiruchirappalli-620 017, 14/12/2020.
6. College level Invited Lectures on **"Women of Excellence"** at Department of Mathematics, Bishop Heber College, Tiruchirappalli-620 017, 04/03/2020.
7. International level Chair Person on **"12th International High Energy Materials Conference and Exhibit (HEMCE 2019)"** at IIT, Madras, Chennai, 17/12/2019.
8. College level Chair Person on **"4th International Conference on Chemical and Environmental Research"** at Jamal Mohamed College, Tiruchirappalli, 19/12/2018.
9. College level Invited Lectures on **"Statistical Thermodynamics"** at PG & Research Department of Chemistry, Khadir Mohideen College, Adirampattinam, Tamilnadu, 11/10/2018.
10. College level Judge on **"Chemistry of Biomolecules-Current Trends and Future Perspectives (ICCBCTFP-2016)"** at Holy Cross College, Tiruchirappalli- 620 008, 27/07/2018.
11. College level Subject Expert on **"Analytical Techniques in Chemistry"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017, 01/07/2018.
12. State level Chair Person on **"Department of Biotechnology, Ministry of Science and Technology 2nd Task Force meet under Star College Scheme"** at Gargi College, New Delhi, 08/06/2018.
13. National level Invited Lectures on **"Analytical Techniques for Research in Physics, Chemistry and Life Sciences"** at Bishop Heber College, 09/03/2018.
14. College level Invited Lectures on **"Choosing Right One from Myriads of Career Options"** at Department of Chemistry, Holy Cross College, Tiruchirappalli-620 008, 02/03/2018.
15. College level Invited Lectures on **"Women Empowerment"** at Department of Chemistry, Jamal Mohammed College, Tiruchirappalli-620 020, 30/01/2018.
16. College level Invited Lectures on **"Application of Cheminformatics in Drug design"** at Department of Chemistry, Sengamala Thayaar Educational Trust Women's College, Mannargudi- 614 16, 19/12/2014.
17. College level Chair Person on **"UGC Sponsored National Conference on Advancement of Women in Science and Technology (NCAWST-2014)"** at Department of Chemistry, Bishop Heber College, Tiruchirappalli-620 017, 05/08/2014.
18. College level Resource Person on **"Summer Research Training Programme (SRTP-14)"** at Bishop Heber College, Tiruchirappalli-620 017, 21/06/2014.
19. International level on **"Health Care Management Institute"** at University of Philippines, Manila, 01/01/1900.

Type
NATIONAL

Nature

Patent No.
201641041909

Status
GRANTED

Month & Year
12/8/2016 12:00:00



Signature of Staff
(J.PRINCY MERLIN)