

## Dr.J.CHRISTY EZHILARASI

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### Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D.	Chemistry	Bharathidasan University	2012
M.Phil.	Chemistry	Bharathidasan University	2005
M.Sc.	Chemistry	Bharathidasan University	1995
B.Sc., Chemistry	chemistry	Bharathidasan University	1992

### Ph.D. Details

<b>Title of Thesis</b>		<b>Area of Specialization</b>	
The effective corrosion inhibition property of some flavonoid compounds on mild steel in HCl medium		Electrochemistry - corrosion	
<b>Research Supervisor</b>	<b>Research Centre</b>	<b>Year of Award</b>	
Dr. Prabhavathi Nagarajan	Bishop Heber College, Tiruchirappalli-17	March, 2012	

Cleared NET / SET :	Details	Year of Passing
SET	1101323	Feb-16

### Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDCA	Bharathidasan University - (LAN Computer Centre, Trichy-1)	2006	2002-03

### Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Tiruchirappalli Tamil Nadu -620017	Assistant Professor	19-11-2016	till date
Bishop Heber College (SF)	Trichy-17	Assistant Professor	12/10/1997	18/11/2016

## Table of Contents

1.	Conferences / workshops / Seminars Attended	31
2.	Research Papers Presented	22
3.	Publication in Journals	9
4.	Publication in Books	0
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	3
8.	Resource Person	0
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

1. National level Seminar on **"Third National Seminar on Advanced Oxidation Processes"** sponsored by BIT, Anna University, Trichy, and Society for Environmental Chemistry and Allied Sciences (SECAS), India organized by BIT, Anna University, Trichy, and Society for Environmental Chemistry and Allied Sciences (SECAS), India at BIT Campus, Anna university, Trichy during 17/12/2017 to 19/12/2017.
2. International level Conference on **"International Conference on Chemical and Environmental Research (ICCER 2015)"** sponsored by UGC organized by Jamal Mohamed College, Tiruchirappalli, Tamil Nadu at Jamal Mohamed College, Tiruchirappalli, Tamil Nadu during 07/01/2017 to 07/01/2017.
3. College level Workshop on **"Two day Workshop on Curriculaum Desigh and Evaluation Techniques"** sponsored by DBT organized by IQAC, Bishop Heber College, Trichy at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 21/11/2016 to 01/01/1900.
4. National level Conference on **"National Conference on New Renaissance in Chemical Research (NCNRCR-2016)"** sponsored by SRM University Ramapuram Campus Chennai organized by SRM University Ramapuram Campus Chennai at SRM University Ramapuram Campus Chennai during 19/08/2016 to 19/08/2016.
5. International level Conference on **"International Conference on Chemistry for Renewable Energy (ICCRE 2016)"** sponsored by P.G.& Resarch Department of Chemistry, BHC, Trichy-17 organized by P.G.& Resarch Department of Chemistry, BHC, Trichy-17 at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 25/02/2016 to 26/02/2016.
6. College level Workshop on **"Faculty Development Programme"** sponsored by others organized by IQAC, Bishop Heber College, Trichy at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 27/10/2015 to 27/10/2015.
7. National level Workshop on **"Hands-on training workshop on"UV-Visible and Fluorescence spectroscopy""** sponsored by others organized by Dept. of chemistry, Karunya University at Karunya University, Coimbatore during 30/01/2015 to 01/01/1900.
8. National level Seminar on **"National Seminar on Recent Trends in Chemistry"** sponsored by Sri Venkateshwara College of Arts & Science for Women, Thanjavur, Tamil Nadu organized by Sri Venkateshwara College of Arts & Science for Women, Thanjavur, Tamil Nadu at Sri Venkateshwara College of Arts & Science for Women, Thanjavur, Tamil Nadu during 22/07/2014 to 22/07/2014.
9. International level Conference on **"International conference on biotechnological innovations towards global development (BITGD-13)"** sponsored by others organized by Dept. of BioTechnology, Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 09/01/2013 to 10/01/2013.
10. National level Workshop on **"Green Techniques in Chemistry laboratory Experiments"** sponsored by others organized by Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu at Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu during 09/01/2013 to 09/01/2013.
11. National level Conference on **"National Conference on Recent Trends on Chemistry"** sponsored by P.G.& Resarch Department of Chemistry, BHC, Trichy-17 organized by P.G.& Resarch Department of Chemistry, BHC, Trichy-17 at Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu during 12/10/2012 to 01/01/1900.
12. College level Workshop on **"Capacity Building Programme"** sponsored by others organized by IQAC, Bishop Heber College, Trichy at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 25/02/2012 to 25/02/2012.
13. National level Conference on **"National Conference on Emerging Trends in Chemistry (NCETC-2012)"** sponsored by Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu organized by Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 11/01/2012 to 11/01/2012.

14. International level Conference on "**International Conference on Global competitiveness in biology, chemistry and environment : For a better tomorrow.**" sponsored by Rev. Jacob Memorial College, Ambillikai, Ottenchathiram, Tamil Nadu organized by Rev. Jacob Memorial College, Ambillikai, Ottenchathiram, Tamil Nadu at Rev. Jacob Memorial College, Ambillikai, Ottenchathiram, Tamil Nadu during 03/02/2011 to 03/02/2011.
15. International level Conference on "**International Conference on Green Chemistry and Sustainable Environment**" sponsored by Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu organized by Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu at Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu during 07/07/2010 to 08/07/2010.
16. International level Conference on "**International Conference on Green Chemistry and Sustainable Environment**" sponsored by others organized by Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu at Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu during 07/07/2010 to 01/01/1900.
17. International level Conference on "**International Conference on Biotechnology, food and bioengineering – Emerging Trends and Future prospects**" sponsored by PRIST UNIVERSITY, Thanjavur, Tamil Nadu organized by PRIST UNIVERSITY, Thanjavur, Tamil Nadu at PRIST UNIVERSITY, Thanjavur, Tamil Nadu during 26/02/2010 to 26/02/2010.
18. National level Conference on "**National Conference on Recent Advances in Electro analytical Techniques**" sponsored by Dept. of Chemistry, Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul, Tamil Nadu organized by Dept. of Chemistry, Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul, Tamil Nadu at Dept. of Chemistry, Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul, Tamil Nadu during 25/02/2010 to 25/02/2010.
19. International level Conference on "**International conference on Herbs and Herbo mineral Formulations –PHYTOCONGRESS 2010**" sponsored by Centre for Advanced Research in Indian System of Medicine, SASTRA University, Thanjavur, Tamil Nadu organized by Centre for Advanced Research in Indian System of Medicine, SASTRA University, Thanjavur, Tamil Nadu at Centre for Advanced Research in Indian System of Medicine, SASTRA University, Thanjavur, Tamil Nadu during 06/02/2010 to 01/01/1900.
20. National level Seminar on "**Herbal Focus 09 Scientific validation of Medicinal plants**" sponsored by others organized by Srimad Andavan Arts and Science College at Srimad Andavan Arts and Science College during 24/01/2009 to 24/01/2009.
21. Regional level Workshop on "**Cyclic Voltammetric studies and its application**" sponsored by UGC organized by Dept. of Chemistry, Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul, Tamil Nadu at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 20/12/2008 to 20/12/2008.
22. National level Conference on "**National Conference on Frontiers in chemistry Research**" sponsored by Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu organized by Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu at Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu during 05/12/2008 to 01/01/1900.
23. Regional level Workshop on "**Power point Presentation and Internet Usage**" sponsored by UGC organized by Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 23/04/2007 to 01/01/1900.
24. Regional level Workshop on "**Oneday Workshop on Maternity Protection Benefits inTamilNadu**" sponsored by AICHE, New Delhi organized by SADANA Cell for Women at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 01/03/2007 to 01/03/2007.
25. National level Seminar on "**Seminar on Current Trends in Chemistry**" sponsored by Lady Doak College (Autonomous),Madurai, Tamil Nadu organized by Lady Doak College (Autonomous),Madurai, Tamil Nadu at Lady Doak College (Autonomous),Madurai, Tamil Nadu during 05/02/2007 to 06/02/2007.
26. State level Workshop on "**Three day workshop on Curriculum Development and Evaluation**" sponsored by TANSCH and UGC organized by Academic staff college, Bharathidasan University at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 09/03/2006 to 11/03/2006.



27. International level Conference on "**Seventh International Symposium on advances in Electrochemical Science and Technology ISAEST – VII**" sponsored by CECRI, Karaikudi organized by CECRI, Karaikudi at Chennai during 27/11/2002 to 29/11/2002.
28. National level Seminar on "**ENVIRO -2k1, National Seminar on Pollution – A threat to the Nation**" sponsored by BHC Management organized by Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu at Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu during 08/03/2001 to 09/03/2001.



1. **"Synthesis, characterization of PANI-Irn oxide nanoparticles and its application in Heavy metal detection"** in the International conference on *International Conference on Chemical and Environmental Research* sponsored by others, organized by Jamal Mohammed College, Trichy at Jamal Mohammed College, Trichy during 07/01/2017 to 07/01/2017.
2. **"Synthesis, Characterization and Antimicrobial activity of Metal-Flavonoid Complex"** in the National conference on *National Conference on New Renaissance in Chemical Research* sponsored by others, organized by SRM University Ramapuram Campus Chennai at SRM University Ramapuram Campus Chennai during 19/08/2016 to 19/08/2016.
3. **"Synthesis and Investigation of Optical and Electrical conducting properties of Polyaniline Iron oxide nanocomposite"** in the International conference on *International Conference on Chemistry for Renewable Energy* sponsored by UGC, organized by Dept. of Chemistry, Bishop Heber college at Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu during 25/02/2016 to 01/01/1900.
4. **"7-hydroxyflavone Embedded Polyvinylpyrrolidone modified platinum electrode for Highly Selective Detection of 2,4-Dichlorophenol"** in the International conference on *International Conference on Chemical and Environmental Research* sponsored by UGC Autonomous Grant, organized by Jamal Mohammed College, Trichy at Jamal Mohammed College, Trichy during 17/12/2015 to 17/12/2015.
5. **"A Study on the Corrosion Inhibitive nature and Antimicrobial property of Solanum Xanthocarpum extract on Al metal in alkaline medium"** in the National conference on *National Conference on Recent Trends on Chemistry* sponsored by others, organized by Sri Venkateshwara college of Arts & Science for women at Sri Venkateshwara College of Arts and Science for Women, Thanjavur during 22/07/2014 to 22/07/2014.
6. **"Corrosion inhibition and adsorption behaviour for mild steel by eco friendly flavonoid compound in HCl solution"** in the National conference on *National conference on Innovative approaches in bioscience, chemical and physical science for sustainable growth* sponsored by others, organized by Maharaja coeducation arts and science college, Perundurai at Maharaja coeducation arts and science college, Perundurai during 31/01/2013 to 01/02/2013.
7. **"Corrosion inhibitive and adsorption properties of 3-Hydroxy-7,8,2',4'-tetramethoxyphenylchromen-4-one on mild steel in acidic medium"** in the National conference on *National Conference on Emerging Trends in Chemistry (NCETC-2012)* sponsored by others, organized by Dept. of Chemistry, Bishop Heber college at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 11/01/2012 to 01/01/1900.
8. **"The corrosion inhibitive properties of 3-Hydroxy-7,8,3'-trimethoxy-2-phenylchromen-4-one on mild steel in acidic medium."** in the International conference on *International Conference on Global competitiveness in biology, chemistry and environment : For a better tomorrow.* sponsored by others, organized by Rev. Jacob Memorial College, Ambillikai, Ottenchathiram, Tamil Nadu at Rev. Jacob Memorial College, Ambillikai, Ottenchathiram, Tamil Nadu during 03/02/2011 to 03/02/2011.
9. **"A new flavone as mild steel corrosion inhibitor in acid medium"** in the International conference on *International Conference on Green Chemistry and Sustainable Environment* sponsored by others, organized by Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu at Holy Cross College (Autonomous) Tiruchirappalli, Tamil Nadu during 07/07/2010 to 01/01/1900.
10. **"Bio-inhibitor for mild steel Corrosion in acid medium"** in the International conference on *International Conference on Biotechnology, food and bioengineering – Emerging Trends and Future prospects* sponsored by others, organized by PRIST UNIVERSITY, Thanjavur, Tamil Nadu at PRIST UNIVERSITY, Thanjavur, Tamil Nadu during 26/02/2010 to 26/02/2010.
11. **"Dicarboxylic acids as Corrosion Inhibitors for aluminium in 2N NaOH solution"** in the National conference on *National Conference on Recent Advances in Electro analytical Techniques* sponsored by others, organized by Dept. of Chemistry, Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul, Tamil Nadu at Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul, Tamil Nadu during 25/02/2010 to 25/02/2010.

12. **"A Herbal extract used as corrosion inhibitor for mild steel in acid medium"** in the International conference on *International conference on Herbs and Herbo mineral Formulations – PHYTOCONGRESS 2010* sponsored by others, organized by Centre for Advanced Research in Indian System of Medicine, SASTRA University, Thanjavur, Tamil Nadu at SASTRA University, Thanjavur, Tamil Nadu during 06/02/2010 to 07/02/2010.
13. **"Inhibitive property of substituted Imidazoline on the corrosion of iron"** in the National conference on *National Conference on Recent Advances in Chemistry* sponsored by others, organized by Dept. of Chemistry, Bishop Heber college at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 18/09/2009 to 18/09/2009.
14. **"Inhibitive influence of Mentha (mint) on the corrosion of Aluminium in alkaline medium"** in the National conference on *National Seminar on Recent Advances in Biotechnology* sponsored by Others, organized by Dept. of Biotechnology, Bishop Heber college at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 18/03/2009 to 18/03/2009.
15. **"Inhibitive influence of Mentha (mint) on the corrosion of Aluminium in alkaline medium"** in the National conference on *National Seminar on Recent Advances in Biotechnology* sponsored by Others, organized by Dept. of Biotechnology, Bishop Heber college at Bishop Heber College (Autonomous), Tiruchirappalli, Tamil Nadu during 18/03/2009 to 18/03/2009.
16. **"Effect of 5,7,4'- Trihydroxy Flavone on the corrosion inhibition of mild steel in 4M HCl"** in the National conference on *National Conference on Frontiers in chemistry Research* sponsored by others, organized by Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu at Holy Cross College (Autonomous), Tiruchirappalli, Tamil Nadu during 05/12/2008 to 05/12/2008.
17. **"Inhibition of Corrosion of Mild Steel in HCl by 4-Methyl-4'-N,N-dimethyl aminoazobenzene"** in the National conference on *National Conference on Recent Trends on Chemistry* sponsored by others, organized by Dept. of Chemistry, Bishop Heber college at Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu during 12/10/2007 to 12/10/2007.
18. **"Study of Inhibition of Mild Steel corrosion by 7-Hydroxy Flavone"** in the National conference on *National Conference on Recent Trends on Chemistry* sponsored by others, organized by Dept. of Chemistry, Bishop Heber college at Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu during 12/10/2007 to 12/10/2007.
19. **"Hybiseua Syriacus Linn as corrosion inhibitor for mild steel in 1M HCl"** in the National conference on *Seminar on Current Trends in Chemistry* sponsored by -5th and 6th Feb., 2007, organized by Lady Doak College (Autonomous), Madurai, Tamil Nadu at Lady Doak College (Autonomous), Madurai, Tamil Nadu during 05/02/2007 to 06/02/2007.
20. **"Use of Tetra-n-propylammonium bromide along with calcium oxide for the inhibition of corrosion of Aluminium in 4.0N NaOH"** in the International conference on *Seventh International Symposium on advances in Electrochemical Science and Technology ISAEST – VII* sponsored by CSIR, organized by CECRI, Karaikudi at Hotel Taj, Chennai, India during 27/11/2002 to 29/11/2002.
21. **"Inhibition of corrosion of Aluminium in 4.0N NaOH by Lysine in the presence of Calcium oxide"** in the International conference on *Seventh International Symposium on advances in Electrochemical Science and Technology ISAEST – VII* sponsored by CSIR, organized by CECRI, Karaikudi at Hotel Taj, Chennai, India during 27/11/2002 to 29/11/2002.
22. **"A study of fluoride level in Drinking water of Elampillai area of Salem District and an attempt for defluoridation with lignite"** in the National conference on *ENVIRO -2k1, National Seminar on Pollution – A threat to the Nation* sponsored by Nil, organized by Dept. of Chemistry, Bishop Heber college at Bishop Heber college (Autonomous), Tiruchirappalli, Tamil Nadu during 08/03/2001 to 09/03/2001.

1. **"Fabrication of CoWO<sub>4</sub>/PANI composite as electrode material for energy storage applications"** published in Journal of Physics and Chemistry of Solids (PEER REVIEW) Vol. , Issue No. , March 2022 ISSN : 0022-3697.
2. **"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 : 1572-6657.
3. **"Fabrication of Co<sub>3</sub>O<sub>4</sub> nanoparticle-decorated porous activated carbon electrode for the electrochemical detection of 4-nitrophenol"** published in RSC - New Journal of Chemistry (SELECT) Vol. , Issue No. 39, October 2021 ISSN : 1144-0546.
4. **"Synergistic effect of Co<sub>3</sub>O<sub>4</sub> 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. , March 2021 ISSN : 0022-4596.
5. **"Sonochemically recovered silver oxide nanoparticles from the wastewater of photo film processing units as an electrode material for supercapacitor and sensing of 2, 4, 6-trichlorophenol in agricultural soil samples"** published in Ultrasonics Sonochemistry (PEER REVIEW) Vol. 50, Issue No. , January 2019 ISSN : 1350-4177.
6. **" Natural product Cassia Auriculata Extract as the corrosion inhibitor for commercial mild steel in 1M HCl (part-III)"** published in Indian Journal of Environmental Protection (PEER REVIEW) Vol. 3, Issue No. 5, January 2011 ISSN : ---.
7. **"Corrosion Inhibitive and Adsorption Properties of a Flavonoid compound for Mild Steel in Acidic Medium"** published in Journal of the Korean Chemical Society (PEER REVIEW) Vol. 55, Issue No. 3, January 2011 ISSN : ---.
8. **"Eco-friendly natural product extract as corrosion inhibitor for mild steel in 1M HCl"** published in Journal of the Indian Council of Chemists (PEER REVIEW) Vol. 26, Issue No. 2, January 2009 ISSN : ---.
9. **"Inhibition of corrosion of Aluminium in 4.0N NaOH by Lysine"** published in Transactions of SAEST (PEER REVIEW) Vol. 38, Issue No. 1, January 2003 ISSN : ---.



## RESEARCH PROJECTS

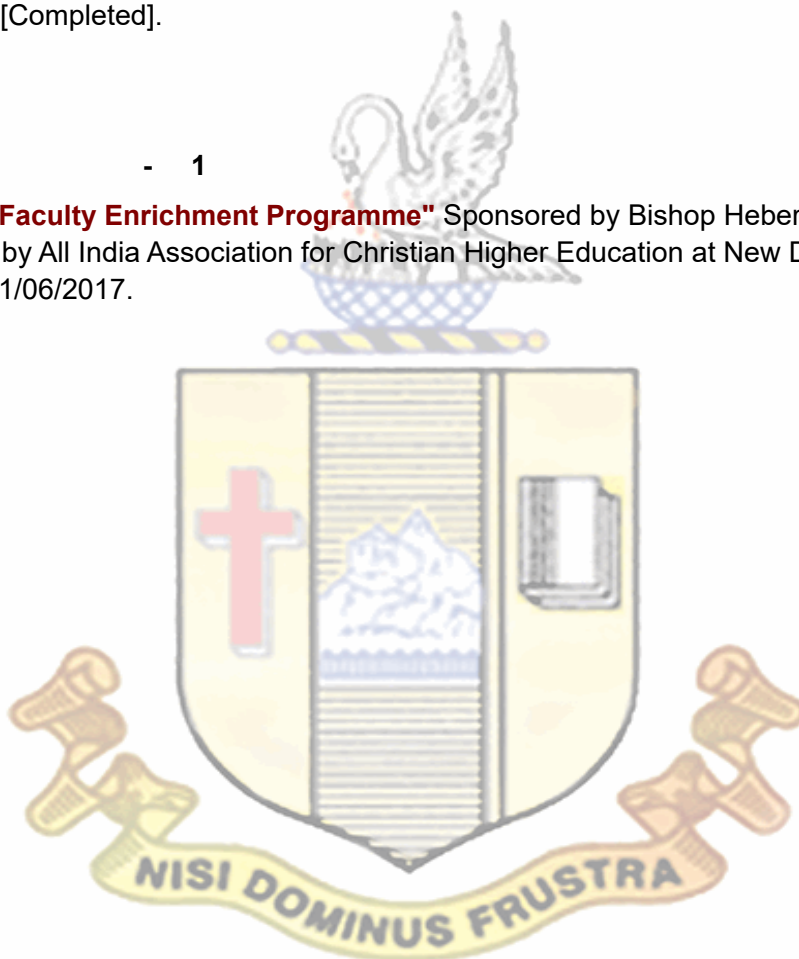
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1. Minor project entitled **"Fabrication of Zr-MOF@ PANI Composite as Electrochemical Sensor Material for Real Time Applications"** (*PRINCIPAL INVESTIGATOR*), Sponsored by Bishop Heber College, during 13/06/2022 to Till Date [Ongoing].
2. Minor project entitled **"Opto-Electronic Characterization of Flavonoid-Polymer Films for Bio-chemical Sensors and Solar Cells"** (*PRINCIPAL INVESTIGATOR*), Sponsored by UGC, during 30/06/2017 to 05/31/2019 [Completed].
3. Minor project entitled **"Trimetal oxide nanoparticles decorated reduced Graphene oxide modified electrodes for energy applications"** (*PRINCIPAL INVESTIGATOR*), Sponsored by TNSCST, during 01/01/1900 to [Completed].

## TRAINING PROGRAMME

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- # COLLEGE level on **"Faculty Enrichment Programme"** Sponsored by Bishop Heber College, Trichy-17, Organized by All India Association for Christian Higher Education at New Delhi-110058 during 05/06/2017 - 11/06/2017.



**Signature of Staff**  
**(J.CHIRSTY EZHILARASI)**