

**Ms.J.R.BEULAH THAVAMANI ESTHER**

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Department of Chemistry,  
Bishop Heber College,  
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**Qualification**

Degree	Branch	Institution / University	Year of Passing
Ph.D	Chemistry	Bharathidasan University	2014
M.Phil	Chemistry	Manonmanium Sundaranar University	2001
M.SC	Chemistry	Manonmanium Sundaranar University	1997
B.Sc	Chemistry	Manonmanium Sundaranar University	1995

**Ph.D. Details**

<b>Title of Thesis</b>		<b>Area of Specialization</b>	
A study of the inhibiton effect of Some phenolic ketones on the alkaline corrosion of aluminium		Electrochemistry	
<b>Research Supervisor</b>	<b>Research Centre</b>	<b>Year of Award</b>	
Dr.T.Jeyaraj	Bishop Heber College	Feb-2014	

Cleared NET / SET :	Details	Year of Passing
SET	12125052	August 2017

**Additional Qualification**

Name of Course	Place of Study	Date	Duration
AWARE Computer Course	APTECH COMPUTER EDUCATION , Coimbatore	October 2003	6 months
Coordination Chemistry	NPTEL online Course	April 2022	12 Weeks

**Work Experience**

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Bishop Heber College, Trichy 17	Assistant Professor	2008	till date

**Teaching / Research Experience****U.G. :** 14 years**P.G. :** 14 years**M.Phil.** 6 years**Ph.D.**

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**Research Guidance****U.G. :** 4**P.G. :** 28**M.Phil. :** 2**Ph.D. :** -**Table of Contents**

1.	<b>Conferences / workshops / Seminars Attended</b>	<b>29</b>
2.	<b>Research Papers Presented</b>	<b>14</b>
3.	<b>Publication in Journals</b>	<b>4</b>
4.	<b>Publication in Books</b>	<b>0</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>2</b>
7.	<b>Research Projects</b>	<b>2</b>
8.	<b>Resource Person</b>	<b>3</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>0</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>1</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>3 / 0</b>

1. International level Conference on **"International Conference on Frontiers in Chemical Research"** sponsored by - organized by Bishop Heber College at TRICHY during 03/02/2021 to 04/02/2021.
2. State level Workshop on **"STIR – Science Through Inquiry & Research"** sponsored by UBCHEA organized by Bishop Heber College at TRICHY during 17/10/2019 to 18/10/2019.
3. International level Conference on **"Chemical Research And Innovations today"** sponsored by - organized by Bishop Heber College at TRICHY during 24/01/2019 to 24/01/2019.
4. College level Seminar on **"One day"** sponsored by INSA organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy 17 during 18/08/2018 to 18/08/2018.
5. College level Workshop on **"Oneday workshop on Examinations and Evaluation Reforms"** sponsored by - organized by IQAC of BHC, TRichy at Bishop Heber College, Trichy 17 during 10/03/2018 to 10/03/2018.
6. College level Workshop on **"Curriculum Design and Evaluation Techniques"** sponsored by DBT organized by Bishop Heber College (autonomous), Thiruchirapalli. at Bishop Heber College (autonomous), Thiruchirapalli. during 21/11/2016 to 22/11/2016.
7. College level Workshop on **"Faculty developement programme"** sponsored by Internal Quality Assurance cell of BHC organized by Bishop Heber College (autonomous), Thiruchirapalli. at Bishop Heber College (autonomous), Thiruchirapalli. during 27/10/2016 to 01/01/1900.
8. College level Workshop on **"GreenChemistry approach"** sponsored by Bishop Heber College organized by Bishop Heber College (autonomous), Thiruchirapalli. at Trichy during 23/09/2016 to 23/09/2016.
9. International level Conference on **"International Conference on Chemistry for Renewal Energy"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 25/02/2016 to 26/02/2016.
10. National level Seminar on **"Recent Advances in Chemical Science and Technology"** sponsored by - organized by Vivekananda College of Arts & Sciences for women, Tiruchengodu. at Vivekananda College of Arts & Sciences for women, Tiruchengodu. during 05/02/2015 to 01/01/1900.
11. Regional level Seminar on **"Science Awareness Programme"** sponsored by Indira Gandhi centre for Atomic Research, Kalpakkam organized by SACSE), Indira Gandhi centre for Atomic Research, Kalpakkam and P.G. & Research Department of Chemistry, Bishop Heber College at Bishop Heber College (autonomous), Thiruchirapalli. during 07/02/2014 to 01/01/1900.
12. International level Conference on **"International conference on Chemistry in Synergy with materials and Biology"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 10/01/2013 to 11/01/2013.
13. International level Conference on **"International conference on Biotechnological innovations towards global development"** sponsored by - organized by Bishop Heber College, Trichy. at Bishop Heber College, Trichy during 09/01/2013 to 01/01/1900.
14. National level Conference on **"National conference on exploring experience in chemistry"** sponsored by Dhanalakshmi Srinivasan College organized by Dhanalakshmi Srinivasan College at Perambalur during 21/12/2012 to 21/12/2012.
15. National level Workshop on **"Two day Short term course on corrosion control and surface Engineering"** sponsored by I National Institute of Technology organized by I National Institute of Technology at Trichy during 18/10/2012 to 19/10/2012.
16. Regional level Workshop on **"Corrosion Control and Surface Engineering"** sponsored by CECASE National Institute of Technology, organized by National Institute of Technology, Tiruchirappalli. at National Institute of Technology, Tiruchirappalli. during 18/10/2012 to 01/01/1900.

17. Regional level Seminar on **"Evangelical Teachers Fellowship-"** sponsored by Evangelical Teachers Fellowship-Trichy organized by Evangelical Teachers Fellowship-Trichy at Bishop Heber College (autonomous), Thiruchirapalli. during 29/09/2012 to 01/01/1900.
18. Regional level Seminar on **"Advanced Leadreship"** sponsored by Haggai Institute organized by Haggai Institute at Bishop Heber College (autonomous), Thiruchirapalli. during 18/08/2012 to 01/01/1900.
19. College level Workshop on **"Capacity Building Programme'"** sponsored by Internal Quality Assurance cell of BHC organized by Bishop Heber College (autonomous), Thiruchirapalli. at Bishop Heber College (autonomous), Thiruchirapalli. during 25/02/2012 to 25/02/2012.
20. National level Conference on **"National Conference on Emerging Trends in Chemistry"** sponsored by Bishop Heber College, Trichy. organized by Bishop Heber College, Trichy. at Bishop Heber College, Trichy. during 11/01/2012 to 11/01/2012.
21. International level Conference on **"International Conference on Biotechnological innovation towards Global development"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 09/01/2012 to 01/01/1900.
22. College level Workshop on **"Examination Reforms and Evaluation"** sponsored by Internal Quality Assurance cell of BHC organized by Bishop Heber College (autonomous), Thiruchirapalli. at Bishop Heber College (autonomous), Thiruchirapalli. during 25/03/2011 to 26/03/2011.
23. Regional level Seminar on **"Science, Society and Religion"** sponsored by Indian Institute of Science and Religion, Pune organized by Bishop Heber College (autonomous), and llanthalir centre for Science, Society and Religion, Thiruchirapalli at Bishop Heber College (autonomous), Thiruchirapalli. during 18/02/2011 to 01/01/1900.
24. International level Conference on **"International Conference on Global Competitiveness in Biology Chemistry and Environment for a better Tomorrow"** sponsored by UGC organized by Rev.Jacob Memorial Christian college, at Ambilikkai during 03/02/2011 to 04/02/2011.
25. International level Conference on **"International conference on Global competitiveness in Biology, Chemistry and Environment: for a better Tomorrow."** sponsored by Rev.Jacob Memorial Christian college, Ambilikkai, TamilNadu organized by Rev.Jacob Memorial Christian college, Ambilikkai, TamilNadu at Rev.Jacob Memorial Christian college, Ambilikkai, TamilNadu during 03/02/2011 to 03/02/2011.
26. International level Conference on **"International Conference on Green Chemistry and sustainable environment"** sponsored by UGC organized by Holy Cross College at Trichy during 08/07/2010 to 09/07/2010.
27. International level Conference on **"International conference on Green chemistry and sustainable Environment."** sponsored by - organized by Holy cross college, Trichy. at Holy cross college, Trichy. during 08/07/2010 to 08/07/2010.
28. -1 level Conference on **"National Conference on Recent Advances in Chemistry"** sponsored by organized by at during 01/01/1900 to 01/01/1900.
29. -1 level Conference on **"International Conference on Chemistry in Synergy with Materials and Biology."** sponsored by - organized by at during 01/01/1900 to 01/01/1900.



1. **"Phytochemical Analysis ,Evaluation of Antimicrobial and Antioxidant Property of Jasminum Angustifolium Flower Extract"** in the International conference on *Chemical Research and Innovations Today* sponsored by -, organized by Bishop Heber College , Trichy at Bishop Heber College , Trich during 24/01/2019 to 24/01/2019.
2. **"Synthesis and Characterisation of Navybean starch capped IronOxide Nanoparticles."** in the National conference on *Advances In Applied Chemistry* sponsored by -, organized by St.Joseph's College(Autonomous), Trichy-620002 at Trichy-620002 during 14/12/2018 to 14/12/2018.
3. **"Synthesis and Biosensor Application of PVP-Flavone encapsulated CdS nanocomposites for the detection of 2,4-D in water samples from Agricultural field"** in the International conference on *ICW 2018 International Conference on Water: From Pollution to Purification* sponsored by -, organized by Advanced Centre of Environmental Studies and Sustainable Development (ACESSD) (Govt.of Kerala) ,School of Environmental Sciences,Mahatma Gandhi University,Kottayam,Kerala &Inter University Instrumentation centre(IUIC),(Govt.of Kerala ) at Kottayam Kerala,India during 07/12/2018 to 10/12/2018.
4. **"Synthesis, characterization and evaluation of antioxidant property of some substituted arylketones"** in the National conference on *Recent Advances In Chemistry Research And its Applications* sponsored by -, organized by St.Josephs College at Trichy during 19/01/2017 to 19/01/2017.
5. **"Synthesis Characterisation and Antioxidant evaluation of Some Substituted Benzyldieneacetophenones"** in the International conference on *International Conference on Chemistry for Renewable Energy* sponsored by , organized by Bishop Heber College at Trichy during 25/02/2016 to 26/02/2016.
6. **"Inhibition of the corrosion of Aluminium in Alkaline Medium by 1-(phenyl)-3-(4-hydroxy phenyl)-propenone in the presence of Tetrabutylammoniumbromide"** in the International conference on *International Conference on Chemistry in Synergy with Materials and Biology* sponsored by -, organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy during 10/01/2014 to 11/01/2014.
7. **"Synthesis Characterisation and antimicrobial activity of hydroxyl benzaldehyde derivatives"** in the International conference on *International Conference on Chemistry in Synergy with materials and Biology* sponsored by I, organized by Bishop Heber College at Trichy during 10/01/2013 to 01/01/1900.
8. **"Synthesis, characterization and antimicrobial activity of unsaturated carbonyl derivatives."** in the National conference on *National conference on exploring excellence in chemistry* sponsored by -, organized by Dhanalakshmi Srinivasan College,Perambalur at Dhanalakshmi Srinivasan College,Perambalur during 21/12/2012 to 01/01/1900.
9. **"Synthesis Characterisation and antimicrobial activity of unsaturated carbonyl derivatives"** in the National conference on *National conference on exploring excellence in chemistry* sponsored by , organized by at Perambalur during 12/12/2012 to 12/12/2012.
10. **"Phytochemical Analysis on Prethenium Hysterophorus by GC-MS Techniques."** in the National conference on *National Conference on Emerging Trends in Chemistry* sponsored by -, organized by Bishop Heber College,Trichy at Bishop Heber College,Trichy during 11/01/2012 to 01/01/1900.
11. **"Effect of 3(4-Hydroxy-3-methoxy-phenyl)1-phenyl propenone on the corrosion of aluminium in 1.0 M NaOH"** in the Select conference on *International Conference on Global competitiveness in Biology chemistry and Environment for a better Tomorrow* sponsored by , organized by Rev.Jacob Memorial Christian College, at Ambilikkai. during 03/02/2011 to 04/02/2011.
12. **"Hydrogen evolution due to corrosion suppressed by effect of 1-(4-Hydroxy-3-Methoxy-Phenyl)-pent-1-ene-3-one on the corrosion of aluminium in 1.0M NaOH"** in the International conference on *International Conference on Green Chemistry and Sustainable environment* sponsored by , organized by Holy Cross College at Trichy during 08/07/2010 to 09/07/2010.

13. **"A Study on the Synthesis and Structure of New Cu (II) Complexes."** in the National conference on *National Conference on Recent Advances in Chemistry* sponsored by -, organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy during 18/09/2009 to 01/01/1900.

#### Publication in Journals - 4

1. **"Inhibition of corrosion of aluminium in 1.0 M NaOH using 1-(2,4-dihydroxyphenyl)-3-(2-hydroxyphenyl)-propanone"** published in Journal of Chemical and Pharmaceutical Research (E-JOURNAL) Vol. 4, Issue No. 7, January 1900 ISSN : 0975-7384.
2. **"Inhibition of the corrosion of aluminium in alkaline medium by 1-(phenyl)-3-(2-hydroxyphenyl)-propanone in the presence of tetrabutylammonium bromide"** published in Pelagia Research Library (E-JOURNAL) Vol. 3, Issue No. 6, January 1900 ISSN : 0976-8505.
3. **"A study of the use of 1-(4-hydroxyphenyl)-3-(2-hydroxyphenyl)-propanone as an inhibitor for the corrosion of aluminium in NaOH solution"** published in Archives of Applied Science Research (E-JOURNAL) Vol. 4, Issue No. 5, January 1900 ISSN : ---.
4. **"Inhibition effect of 4-(2-hydroxyphenyl)-but-3-en-2-one on the corrosion of aluminium in NaOH solution"** published in Archives of applied science Research (E-JOURNAL) Vol. 5, Issue No. 1, January 1900 ISSN : ---.

#### Conferences / Workshops / Seminars Organised - 2

1. International level Conference Entitled **"INTERNATIONAL VIRTUAL CONFERENCE ON FRONTIERS IN CHEMICAL RESEARCH"** at Bishop Heber College, Trichy, sponsored by -, during 03/02/2021 to 04/02/2021.
2. International level Conference Entitled **"International Conference on Frontiers in Chemical Research"** at Bishop Heber College, Trichy, sponsored by -, during 03/02/2021 to 04/02/2021.

#### RESEARCH PROJECTS - 2

1. Minor project entitled **"Evaluation of the antioxidant property of substituted phenolic ketones using Electrochemical methods"** (PRINCIPAL INVESTIGATOR), Sponsored by UGC, during 15/01/2015 to Till Date [Ongoing].
2. Minor project entitled **"Investigation of the Inhibitive influence of some organic compounds on the alkaline corrosion of aluminium"** (PRINCIPAL INVESTIGATOR), Sponsored by Bishop Heber College, during 05/10/2010 to 10/5/2012 [Completed].

#### PROFESSIONAL MEMBERSHIP - 1

- \* Registered Graduate of Bharathidasan University during 01/10/2015 - 9/30/2020

## TRAINING PROGRAMME

- 1

- # STATE level ORIENTATION on **"Science Through Inquiry Research"** Sponsored by UBCHEA, Organized by Bishop Heber College, at Trichy during 28/06/2021 - 28/06/2021.

## RESOURCE PERSON

- 3

1. College level Invited Lectures on **"Atomic Absorption Spectroscopy"** at Food Science & Nutrition, Bishop Heber College, Trichy, 18/11/2021.
2. College level Invited Lectures on **"Colorimetry & Beer Lamberts Law"** at Bishop Heber College, Trichy, 17/11/2021.
3. College level Invited Lectures on **"Analytical Instrumentation for Food Science and Nutrition"** at Bishop Heber College, Trichy, 15/11/2021.



**Signature of Staff**

**(J.R.BEULAH THAVAMANI ESTHER RANI)**

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