

Dr.HELEN PRICILLA BAI E

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Qualification

Degree	Branch	Institution / University	Year of Passing
Doctorate	chemistry	Anna University, Chennai/ Government College Of Technology	2013
m.Phil	chemistry	Bharathiyar University/ Kongunadu Arts And Science College, Coimbatore	2006
M.Sc	chemistry	Annamalai University	2001
B.Sc	chemistry	Madurai Kamaraj University/ Lady Doak College	1995

Ph.D. Details

Title of Thesis		Area of Specialization	
Synthesis and characterization of Transition and Rare Earth metal complexes with Acetamido-, Acetoxy and 2-Benzoyl benzoic Acids		Inorganic Solid State chemistry	
Research Supervisor	Research Centre	Year of Award	
Dr.S.vairam	Government college of Technology, coimbatore / Anna University chennai.	November & 2013	

Cleared NET / SET :	Details	Year of Passing

Additional Qualification

Name of Course	Place of Study	Date	Duration
Religious Education Diploma	Lady Doak College, Madurai	November, 1995	3 Years
Grade 1, Theory of Music	Arpana Cultural Academy, Coimbatore	June, 2017	6 Months
Grade 2, Theory of Music	Arpana Cultural Academy, Coimbatore	December, 2017	6 Months
Grade 3, Theory of Music	Arpana Cultural Academy, Coimbatore	June, 2018	6 Months

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Park Collège of Engineering and Technology	Avinashi Road (NH 544), Kaniyur, coimbatore -641659	Professor	10-08-2007	04-08-2022
Government Collège of Technology	Thagadam main Road, coimbatore-641013	Guest Lecturer	01-09-2006	30-04-2007
Bishop Heber College	Vayalur Road, Tiruchirappalli -620017	Assistant Professor	19-06-2023	Till date

Teaching / Research Experience

U.G. : 17 P.G. : 1 M.Phil. Ph.D.

Research Guidance

U.G. : 15 P.G. : 2 M.Phil. : Ph.D. :

Field Experience

Type	Name of the Sector	Designation	From	To
Industry	VESRAD Technologies, Kalpakkam, Tamil Nadu	chief chemist	1/06/2018	8/9/2023

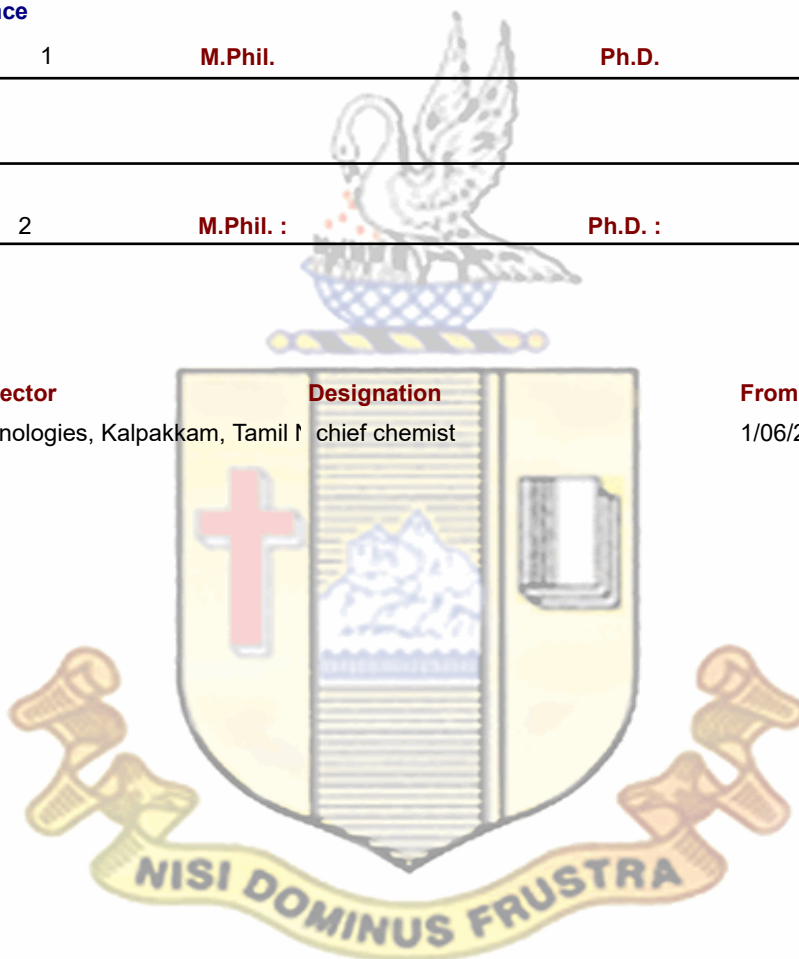


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6.	Conferences / Workshops / Seminars Organised	0
7.	Research Projects	0
8.	Resource Person	4
9.	Consultancy	1
10.	Awards Recieved	1
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	1
14.	M.Phil. / Ph.D. Produced	0 / 0

1. State level Seminar on **"Heuristic approach on nano based batteries and Green Chemistry"** sponsored by Tamil Nadu State Council for Science and Technology (TNSCST) organized by Dr. E. Helen Pricilla Bai & Dr. S. Venkatachalapathy,, Chemistry Department at Park College of Engineering and Technology, Coimbatore during 08/02/2019 to 08/02/2019.
2. National level Refresher on **"Train the Trainers- A Pedagogical Approach"** sponsored by Centre for teaching Learning Practices, PSG iTech organized by PSG iTech at Coimbatore during 28/07/2016 to 29/07/2016.
3. National level Workshop on **"Ingraining Research Attitude in Engineers"** sponsored by Park College of Engg. and Technology organized by Park College of Engg. and Technology at Coimbatore during 31/07/2015 to 31/07/2015.
4. International level Workshop on **"Issues and Advancements of De-icing and Anti-icing Systems"** sponsored by DRDO organized by Snow & Avalanche Study Establishment of DRDO and CRREL, US Army Corps of Engineers, Hanover, USA at Chandigarh during 15/02/2013 to 16/02/2013.
5. National level Workshop on **"Ingraining Research Attitude in Teachers"** sponsored by Park College of Engg. and Technology organized by Park College of Engg. and Technology at Coimbatore during 28/08/2008 to 28/08/2008.
6. National level Seminar on **"Two Days Seminar for Ph.D., Scholars"** sponsored by PSG institute of Management Studies organized by PSG institute of Management Studies at Coimbatore during 07/08/2008 to 08/08/2008.
7. National level Workshop on **"Advances in Coordination Chemistry and Organometallics"** sponsored by Sri Ramakrishna Mission Vidyalaya. organized by Sri Ramakrishna Mission Vidyalaya. at Coimbatore during 17/07/2008 to 18/07/2008.
8. National level Seminar on **"Frontiers in Nano Science"** sponsored by Kongunadu Arts and Science College, organized by Kongunadu Arts and Science College, at Coimbatore during 08/01/2008 to 08/01/2008.
9. State level Workshop on **"Expanding Frontiers in Chemistry"** sponsored by Avinashilingam Deemed University organized by Avinashilingam Deemed University at Coimbatore during 28/03/2006 to 28/03/2006.
10. National level Seminar on **"Recent Advances in Chemistry"** sponsored by P.S.G.R.Krishnammal College for women. organized by P.S.G.R.Krishnammal College for women. at Coimbatore during 16/12/2005 to 17/12/2005.

1. **"Development and Assessment of Cost- effective, Biodegradable and Surface enhanced Adsorbent for the removal of Chemistry Laboratory Toxins"** in the International conference on *International Conference on Recent Advances in Chemical Sciences -ICRACS -2024* sponsored by Bishop Heber College, organized by PG and Research Department of Chemistry at Tiruchirappalli-620017 during 04/03/2024 to 05/03/2024.
2. **"Glass Reinforced Polymer Hydrophobic Surfaces Using Spin Coating Technique"** in the International conference on *iCIRET -2017* sponsored by Park College of Engineering and Technology, organized by Park College of Engineering and Technology at Coimbatore -641657 during 30/03/2017 to 01/04/2017.
3. **"Formulation of HAN based monopropellant blends for Satellite Microthrusters" [Best Paper Award]** in the Select conference on *NAPC-2017* sponsored by IIT, Kanpur, organized by IIT, Kanpur at Kanpur, India during 15/03/2017 to 17/03/2017.
4. **"Transition Metal Complexes of 2- and 4-Acetoxy benzoic acid with Hydrazine – Spectral and Thermal studies"** in the International conference on *iCIRET -2013* sponsored by Park College of Engineering and Technology, organized by Park College of Engineering and Technology at Coimbatore -641657, TN, India during 03/01/2013 to 05/01/2013.
5. **"Hydrazine Complexes of Transition Metals with 4-Acetoxy benzoic acid and 2-Benzoyl benzoic acid –Thermal and Spectroscopic studies"** in the International conference on *iCIRET -2010* sponsored by University of East London and Park College, Coimbatore, organized by Park College of Engineering and Technology, at Coimbatore -641657 during 12/08/2010 to 14/08/2010.
6. **"Hydrazine Complexes of Lanthanides with 4-Acetamidobenzoic acid – Thermal and Spectroscopic studies"** in the National conference on *Recent Advances in Science and Humanities RASH'10* sponsored by United Institute Of Technology,, organized by United Institute Of Technology, at Coimbatore -641657, TN, India during 23/04/2010 to 24/04/2010.



Publication in Journals

- 6

1. **"Coordination Complexes of Rare earth metals with Hydrazine and Isomeric Acetamido Benzoates As Ligand - Spectral, thermal and Kinectic Studies"** published in Arabian Journal of Chemistry (PEER REVIEW) Vol. 15, Issue No. 9, September 2022 ISSN : 18785352.
Impact factor , Scopus Index , h - index 100, Citation index
2. **"Co-Ordination BehaviourOf Hydrazine And Isomers Of Acetoxy Benzoic Acids With Transition Metal Ions"** published in Bulletin of Chemical Society of Ethiopia (PEER REVIEW) Vol. 35, Issue No. 2, October 2021 ISSN : 1011-3924..
Impact factor , Scopus Index SCIJ, h - index , Citation index 1
3. **"An initial study of the growth and defect analysis on hydrated 2- benzoyl benzoic acid crystal"** published in Optik (PEER REVIEW) Vol. 124, Issue No. 18, December 2012 ISSN : 0030-4026.
Impact factor , Scopus Index SCIJ, h - index 92, Citation index
4. **"Hydrazine complexes of lanthanides with 3- acetoxy and 4-acetoxy benzoic acids - Spectroscopic, thermal and XRD Studies"** published in Journal of Chemistry, (PEER REVIEW) Vol. 2013, Issue No. , September 2012 ISSN : ---.
Impact factor , Scopus Index , h - index 68, Citation index 6
5. **"Transition metal complexes of Acetamido benzoic acids with hydrazine – Spectral and thermal studies"** published in Asian Journal of Chemistry (PEER REVIEW) Vol. 25, Issue No. 1, August 2012 ISSN : 0970-7077.
Impact factor , Scopus Index 0.149, h - index 36, Citation index SJR
6. **"Microwave solvent-free condition synthesis and pharmacological evaluation of pyrano [3,2-c]quinolines"** published in Medicinal Chemistry Research (PEER REVIEW) Vol. 21, Issue No. 1, November 2011 ISSN : 1054-2523.
Impact factor , Scopus Index SCOPUS, h - index 56, Citation index 18

Awards Recieved

- 1

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Best Paper award	E.Helen Pricilla Bai, K.vijaya Sankaran, Udhay Adith	01/03/2017	NATIONAL	IIT Kanpur, UP state, India	Nil

PROFESSIONAL MEMBERSHIP

- 1

- * Life Member LM 70569 of Indian Society for Technical Education during 01/12/2008 - Till Date

TRAINING PROGRAMME

- 1

- # SELECT level Short Term Training Program (STTP) on **"Recent Trends in Atmospheric Sciences"** Sponsored by IIT, Madras, Organized by Department of Physics at Chennai during 16/08/2008 - 22/08/2008.

RESOURCE PERSON

- 4

1. College level Refresher on **"EFFECTIVE CHEMISTRY LABORATORY MANAGEMENT STRATEGIES FOR ENSURING SAFETY AND EFFICIENCY"** at Bishop Heber College, 21/02/2024.
2. National level Invited Lectures on **"Sustainable Environment and Green Chemistry"** at Sri Renganathar Institute of Technology, Athipalayam, Coimbatore, 06/05/2021.
3. State level Invited Lectures on **"Mixed metal oxides as Nano Precursors and Green Chemistry"** at Post Graduate Department of Chemistry, NGM Pollachi, 07/11/2019.
4. College level Invited Lectures on **"Applications of Nano-Chemistry and Green Chemistry"** at SNS College of Engineering, coimbatore, 09/11/2014.

CONSULTANCY

- 1

Industry chief chemist/ Green Fuel Generation from June 2018 - Till Date.

Additional Information

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BE -Final Year Projects Carried Out

- 1.Fabrication and testing of Bio composites and improving its properties using Nanofillers (utilizing Banana and Kenaf plants)-2014
- 2.Mechanical behavior of Sisal fiber reinforced Bio-composite Material-2014
- 3.Fabrication & testing of Coir Bio-composites
- 4.Imparting Hydrophobicity over Glass fiber resins-2016
- 5.Extraction and characterization of Biodiesel from tobacco leaves-2017
- 6.Study on Performance and Emission characteristics of diesel Engine Fueled with dual blend Biodiesel-2018
- 7.Study of Fastness properties of Cotton fabric dyed with Custard Apple-2020
- 8.Study on Electroless Nickel Plating over Polymer Surfaces -2020



Signature of Staff

(HELEN PRICILLA BAI E)