

# DHANARAJA. D

## Assistant Professor (SG)

To work in an organization that provides me a good platform to utilize my teaching and administrative skills for the betterment of the organization and personal growth.



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Opposite to Collectorate,  
Dharmapuri – 636705, Tamilnadu  
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## PROFESSIONAL EXPERIENCE

### Assistant Professor (Senior Grade)

12/2019 – till date

Paavai Engineering College,  
Namakkal, Tamilnadu

- ~ Department NAAC Committee Member, Exam and Project Coordinator
- ~ Project Guide for Final year chemical students
- ~ Handling Chemical Engineering Thermodynamics, Process Economics and Management, Heat Transfer Lab

### Lecturer

10/2011 – 08/2019

King Khalid University, Saudi Arabia

- ~ Department (ABET & NCAAA) Quality Committee Member
- ~ Involved in the establishment of new labs which includes process control, Heat Transfer and Thermodynamics lab
- ~ Co-Guide for the student's project
- ~ Handled Thermodynamics, Mass and Momentum Transfer and Process Control

### Assistant Controller of Examination

05/2011 – 10/2011

Sona College of Technology, Salem

- ~ Assisted COE in various confidential works.
- ~ Pre-exam work like Preparation of exam schedule, conducting Practical Tests, hall ticket preparation and question paper setting
- ~ Post exam work like preparation for paper valuation, result processing, the publication of results, grade sheet issuance

### Lecturer

07/2009 – 03/2011

VMKV Engineering College  
Vinayaka Mission's University, Salem

- ~ Exam committee member for university examination
- ~ Handled Unit Operations, Heat Transfer Operations, Mass Transfer Operations, Principles of Chemical Engineering and Total Quality Management

### Assistant Controller of Examination

05/2008 – 07/2009

Bharath University, Chennai

- ~ Assisted COE in various confidential works
- ~ Management of question papers setting and printing of question papers for all courses for University examination
- ~ Schedule of University theory and practical exams
- ~ Result Processing and publishing
- ~ Issuance of grade sheets and degree certificates

### Lecturer

07/2006 – 04/2008

Bharath University, Chennai

- ~ Exam committee member for university examination
- ~ Handled Chemical Reaction Engineering, Chemical Engineering Thermodynamics, Heat Transfer, Total Quality Management, Chemical Engineering Lab and Bioprocess Engineering Lab

## EDUCATION

<b>Master of Business Administration</b> (Distance Education Mode)	Second Class Alagappa University, Karaikudi
<b>Master of Technology</b> 07/2004 – 07/2006	First Class Kongu Engineering College, Erode
<b>Bachelor of Technology</b> 07/2000 – 05/2004	First Class Erode Sengunthar Engineering College, Erode

## AREA OF INTEREST

- ✓ Environmental Engineering
- ✓ Chemical Engineering Thermodynamics

## PATENTS REGISTERED

1. "A New Technique and Novel Method for Paper Production from Pineapple Leaves and Ramie Fiber", published on 30/07/2021
2. "Novel and Improved Process for Removal of Heavy Metals from Effluent", published on 05/06/2020

## PUBLICATIONS AND PRESENTATIONS

### Journal Publications:

1. Ihab Shigidi, Haitham Osman, Mutaz Eldirderi, Mohamed Ilyas Khan, Abubakr Elkhalefa, **Dhanaraja Dhanapal**, and Mohammed Al Mesfer "Waste Engine Oil Remediation Using Low-Cost Natural Clay absorbent Material" (2020), International Journal of Engineering, Vol 33, No. 2, Pg. No.: 178-185
2. K. Anbarasi<sup>1</sup>, **D. Dhanaraja**<sup>2</sup> and G. Selvabharathi<sup>3</sup> "Studies on Biological Treatment of Textile Effluent from CETP " (2017) Elixir Renewable Energy, 44251 – 44257
3. G. Selvabharathi<sup>1</sup>, K. Anbarasi<sup>2</sup>, S. Robert Ravi<sup>1</sup>, **D. Dhanaraja**<sup>3</sup>, "Treatment of Tannery Wastewater by Activated Sludge Process " (2017) Elixir Renewable Energy, 44280 – 44285
4. S. Jeeva<sup>1</sup>, K. Anbarasi<sup>2</sup>, **D. Dhanaraja**<sup>3</sup>, G. Selvabharathi<sup>4</sup>, "An Aqueous Solvent Extraction of Polyphenols from Jackfruit waste: Response Surface Modelling and Optimization" (2016) Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115

### Book Chapters:

1. Anbarasi Karunanithi, Vinothini Venkatachalam, Mohankumar Govindasamy, Selvabharathi Gopal, **Dhanaraja Dhanapal** and Jeeva Senrayan, under title "Emerging treatment techniques for removal of pollutants from pharmaceutical industry wastewater", book entitled "Bioremediation of Industrial Effluents"
2. Anbarasi Karunanithi, **Dhanaraja Dhanapal**, "Composting of Fruit Wastes – An Efficient and Alternative Option for Solid Waste Management", book chapter through Bentham Science Publishers Pte. Ltd, Singapore.
3. **Dhanaraja Dhanapal**, Anbarasi Karunanithi, "Textile and Tannery Solid Waste - A Promising Solution for Construction Materials", book chapter in proceedings of NETCPT'16, pg. no. 12.1-12.7 (March 2016), ISBN 9789352545032

4. Anbarasi. K, **Dhanaraja.D**, Selvabharathi.G. *"Bioactive compounds Extraction from Food Waste using Conventional and Advanced Techniques"*, book chapter in proceedings of NETCPT'16, pg. no. 2.1-2.8 (March 2016), ISBN 9789352545032

#### Conference Presentation:

1. Presented a paper entitled "Design of Composter and Analysis of Compost Materials" in International Conference on Adaptive Technologies for Sustainable Growth (ICATS 2021), held on 20<sup>th</sup> October 2021 at Paavai Engineering College, Namakkal
2. Presented a paper entitled "Electrochemical Treatment for Textile Dye Effluent" in International Conference on Adaptive Technologies for Sustainable Growth (ICATS 2021), held on 20<sup>th</sup> October 2021 at Paavai Engineering College, Namakkal
3. Presented a poster entitled *"Electrochemical Treatment for Textile Dye Effluent"* in 12<sup>th</sup> Scientific Research Day held at King Khalid University in April 2017
4. Presented a paper entitled *"A Novel Galvanostatic Technique for the Treatment of Textile Mill Effluents"* in International Conference on The Trends and Innovations in Chemical and Pharmaceutical Technologies, held in 2017 at Anna University Campus, Trichy
5. Presented a paper entitled *"Recent Development in Management of Solid Waste generated from Process Industries"* in AAQMENT a national level conference, held on February 2006 at Erode Sengunthar Engineering College, Erode

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#### WEBINAR/ STTP ORGANISED

1. Organizing member for one day **webinar** on *"Principles of Food Safety for Better Tomorrow"* held on 07-06-2021 and *"Ocean – A Treasure of Potent Bio-resources"* held on 08-06-2021 organised by Department of Chemical Engineering, Food Technology and Pharmaceutical Technology, Paavai Engineering College, Namakkal.
2. Organizing Secretary for AICTE sponsored online **STTP Series** on *"An Awareness Programme – Green Engineering Concepts and Treatment Methods for Farmers in Rural Area"* organised by Department of Chemical Engineering, Paavai Engineering College, Namakkal.

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#### FDP ATTENDED

1. **AICTE-ATAL Online FDP** on *"Fermentation Technology and Biochemical Engineering"* organized by Jeppiar Engineering College, Chennai during August 2 – 6, 2021
2. **AICTE-ATAL Online FDP** on *"Green Technology and Sustainability Management"* organized by Engineering College, Bikaner during July 1 – 5, 2021
3. Online **FDP** on *"Impact of COVID on Higher Education and Research Initiatives"* organized by Sri Venkateshwaraa College of Engineering and Technology, Puducherry during May 24 – 28, 2021
4. **AICTE-ATAL Online FDP** on *"Recent Trends in Water Management Technologies"* organized by Department of Petrochemical Technology, University College of Engineering (BIT Campus), Anna University, Tiruchirappalli – 620024 during October 12 - 16, 2020.
5. Online **FDP** on *"Advanced Technologies in Chemical Industries"* organized by Department of Chemical Engineering, St. Peter's College of Engineering and Technology, Chennai during June 23 - 26, 2020

6. Online **FDP** on *“Pedagogy of Scientific Writing, Reporting and Scholarly Networks”* organized by Feroze Gandhi Institute of Engineering and Technology, Raebareli during June 19 - 23, 2020
7. Online **FDP** on *“Techno Advancements in Climate Change & Marine Sciences – A Key to Conservation & Sustainability”* organised by Vel Tech High Tech Dr Rangarajan Dr. Sakunthala Engineering College, Chennai from June 01 - 06, 2020
8. Online **FDP** on *“DoE for Researchers”* organized by Government College of Technology, Coimbatore on May 27 & 28, 2020

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## WEBINARS ATTENDED

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1. *“Role of Chemical Engineering in Industrial Safety”* organised by Saveetha Engineering College, Chennai on 07.06.2020
2. *“Recent Technologies for Environmental Pollution Prevention and Control”* organised by SRM Institute of Science and Technology on World Environment Day, 05.06.2020
3. *“Process Engineering Concepts”* organised by Sri Venkateswaraa College of Engineering, Chennai on 30.05.2020
4. *“Experimental Learning using Virtual Labs”* organised by Unitieup on 30.05.2020
5. *“Opportunities in Food Industries and Importance of Food Safety”* organised by JCT College of Engineering and Technology on 29.05.2020
6. *“Energy Optimization in Petrochemical industry”* organised by JCT College of Engineering and Technology on 28.05.2020
7. *“ACS Guide to Scholarly Communication: Expert Advice for Early Career Researchers”* organised by the American Chemical Society on 27.05.2020
8. *“MATLAB applications in Process Simulation and Control”* organised by Sri Venkateswara College of Engineering, Chennai on 23 & 24.05.2020
9. *“Role of Chemical Engineers in Operation Management”* organised by PP Savani University, Gujarat on 20.05.2020
10. *“IPR Awareness”* organised by Keyway Research on 13.05.2020
11. *“Innovation and Entrepreneurship”* organised by Kalasalingam University on 27.04.2020

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## CONFERENCE AND WORKSHOP ATTENDED

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1. Attended International Conference on Sustainable Environment, Energy and Construction (ICSEEC-2021) organized by Hindustan Institute of Technology & Science, Chennai on 16 & 17<sup>th</sup> December 2021
2. Attended National Level Virtual Conference on “Environment Protection and Wildlife Conservation, EPWC – 2021” organised by Social Service League of Ayya Nadar Janaki Ammal College, Sivakasi during 10 & 11<sup>th</sup> June 2021
3. Attended one-day workshop on “Environmental Biotechnology, Environmental Management System – ISO 14001, Total Quality Management, Safety and Transportation, Entrepreneurship Development and Significance of ABO Blood Grouping”
4. Attended conference on “Chemical Engineering and Applications of Biotechnology in Human Welfare”

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## PROFESSIONAL MEMBERSHIP

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- Regular Member in American Chemical Society (ACS), USA
- Associate Member of Institution of Chemical Engineers (IChemE), UK
- Member of Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES)
- Member of International Association of Engineers (IAENG)

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## PERSONAL DETAILS

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Date of Birth	20 <sup>th</sup> June 1982
Gender	Male
Linguistic Skills	English, Tamil, and Hindi (Beginner Level)
Passport Details	L2296929 (Valid up to 2023)
Contact Number	+91 90030 54248
Email Id.	ddhanaraja82@hotmail.com, ddhanaraja@gmail.com

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## REFERENCE

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Dr. G. Srinivasan  
Professor and Head,  
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## DECLARATION

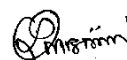
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I hereby declare that the above-cited details are true to the best of my knowledge and belief.  
The proof will be produced on demand

**Date:**

**Place:** DHARMAPURI

Yours Truly,



(D. DHANARAJA)

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