

CURRICULUM VITAE

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EDUCATIONAL QUALIFICATIONS

Ph.D. (Chemistry)

University/College : University of Madras/Presidency College
Year of passing : 2017
Research field : Environmental Chemistry - Transport of Textile
Dyes from Effluent by Liquid Membrane Techniques

M.Phil. (Chemistry)

University/College : University of Madras/Presidency College
Year of passing : 2012
Research Field : Electrochemistry

M.Sc. (Chemistry)

University/College : University of Madras/Presidency College
Year of passing : 2011
Subjects studied : General Chemistry

B.Sc. (Chemistry)

University/College : Thiruvalluvar University/AAA Govt. College
Year of passing : 2009
Subjects studied : Chemistry, Mathematics and Physics.

ACHIEVEMENTS

I Received **Best faculty award** 2018-2020 in Government College of Engineering, Bargur, Krishnagiri – 635104.

IN ACADEMIC

Result Statistics:

Academic Year 2017-2018

B.E./I Yr/01 Sem: Nov-Dec Examination Result:

B.E./I Yr/01 Sem/CSE: 17ZBS104 – ENGINEERING CHEMISTRY: **47/49 = 95.92%**

B.E./I Yr/01 Sem/EEE: 17ZBS104 – ENGINEERING CHEMISTRY: **44/47 = 93.62%**

B.E./I Yr/01 Sem/CSE: 17ZBS109 – CHEMISTRY LABORATORY: **100%**

B.E./I Yr/01 Sem/EEE: 17ZBS109 – CHEMISTRY LABORATORY: **100%**

B.E./I Yr/02 Sem: Apr-May Examination Result:

B.E./I Yr/02 Sem/CSE: 17ZBS205 – ENVIRONMENTAL SCIENCE AND ENGINEERING: 46/49= 93.88

Academic Year 2018-2019

B.E./I Yr/01 Sem: Nov-Dec Examination Result:

B.E./I Yr/01 Sem/CSE: 18SLS101 – ENGINEERING CHEMISTRY: **50/51= 98.04%**

B.E./I Yr/01 Sem/CSE: 18SLS106 – CHEMISTRY LABORATORY: **49/51 = 96.07%**

B.E./I Yr/02 Sem: Apr-May Examination Result:

B.E./I Yr/02 Sem/Mech: 18SLS201 – APPLIED CHEMISTRY: **50/51= 98.04%**

B.E./I Yr/01 Sem/Mech: 18SLS206 – CHEMISTRY LABORATORY: **49/51 = 96.07%**

Academic Year 2019-2020

B.E./I Yr/01 Sem: Apr-May Examination Result:

B.E./I Yr/01 Sem/CSE: 18SLS101 – ENGINEERING CHEMISTRY: **50/51= 98.04%**

B.E./I Yr/01 Sem/CSE: 18SLS105 – CHEMISTRY LABORATORY: **51/51 = 100%**

IN COMPETITIVE EXAMS

NPTEL EXAM

1. Principles of Organic Synthesis – Jul-Oct 2019 – **92%**
2. Coordination Chemistry – July – Oct – **83%**
3. Advanced Transition Metal Organometallic Chemistry – **84% (National level topper)**

CSIR-NET EXAM (CHEMICAL SCIENCE)

Roll No : 109496
Year of passing : June -2015
All India Rank (AIR) : **78th** in JRF-NET
Marks & Percentage : 107.5/200 & 53.75 %

CSIR-NET EXAM (CHEMICAL SCIENCE)

Roll No : 110263
Year of passing : Dec -2014
All India Rank (AIR) : **9th** in Lecturership
Marks & Percentage : 108/200 & 54.0 %

SET EXAM (CHEMISTRY)

Roll No : 01010803
Year of passing : OCT -2012
Conducted by : Bharathiyar University

GATE EXAM (CHEMISTRY)

Roll No : CY7020253

Year of passing : Jan -2012

All India Rank (AIR) : 1537

Marks : 28/100

- ❖ Got College First Rank in Master of Science.

- ❖ Won First Prize in an Inter college PG quiz program conducted by Loyola College on Dec-2010.

Publications in National and International Journals

1. Jahfar Ali P, **Elumalai S**, Sathya M, Muthuraman G, (2019) "Recovery and Reuse of Methylene blue from aqueous solution using Phenol as Carrier. Asian Journal of Chemistry Vol 31, 2, 378-384.
2. **Elumalai S**, Muthuraman, G, (2018) "Removal and Recovery of Methyl Violet Dye from Industrial Wastewater by Liquid-Liquid Extraction" Water Quality Management, 231-240, 2018.
3. **Elumalai S**, Muthuraman G, (2015) "Studies on Rhodamine B dye transport through supported liquid membrane from basic aqueous solutions using phenol as membrane phase". **RSC Advances** vol 5, 78799-78806
4. **Elumalai S**, Muthuraman G, (2015) "Recovery of Methyl Orange and Congo Red from aqueous solutions using tri-octyl amine (TOA) in benzene as carrier". **Process Safety and Environmental Protection** vol 96, 177-183.
5. Sathya M, **Elumalai S**, Muthuraman G, (2015) "Sensitive and selective method for Liquid-liquid extraction of cationic dye from aqueous solution" **International Journal of Recent Scientific Research**, vol 6, pp. 3196-3202
6. **Elumalai S**, Sathya M, Muthuraman G, (2015) "Recovery of dye from wastewater using Liquid-liquid extraction and Bulk liquid membrane techniques" **International Journal of ChemTech Research**, pp. 3089-3094
7. Sathya M, **Elumalai S**, Muthuraman G, (2015) "Removal of Acid Yellow 36 from aqueous solution by solvent extraction method using tri-octyl amine as a carrier" **International Journal of ChemTech Research**, pp. 3014-3019.

8. **Elumalai S**, Muthuraman G, Sathya M, Soniya M, Teng TT, (2014) “Recovery of dye from textile effluents using phenol as an extractant” **Journal of Industrial and Engineering Chemistry** vol 20 pp 1958-1964.
9. **Elumalai S**, Muthuraman G, (2014) “Recovery of Reactive Dyes from Textile Effluents Using Aliquat 336 as Carrier” **International Journal of Innovative Research in Science & Engineering**, pp. 2347-3207
10. **Elumalai S**, Muthuraman G, (2013) “Comparative study of liquid-liquid extraction and bulk liquid membrane for Rhodamine B” **Journal of Engineering and Innovative Technology** vol 3 pp 387-392.
11. Muthuraman G, Sathya M, Soniya M, **Elumalai S** (2013) “ Recovery of Levafix brilliant red E-4BA and Levafix brilliant red E-6BA from aqueous solution by supported liquid membrane” **Membrane Water Treatment** vol 4 pp277-282.

Publication in National/International conferences

1. Elumalai S (2018) “Extraction of Methylene blue from aqueous solution using Phenol as Carrier”. National Conference on Recent Advanced Materials (NCRAM 2018) Feb 23 – 24. Thiruvalluvar University College of Arts and Science, Thennagur, Vandavasi, Tamil Nadu, India.
2. **Elumalai S**, Muthuraman.G (2016) ““Removal and Recovery of Methyl Violet Dye from Industrial Wastewater by Liquid–Liquid Extraction”. International Conference on Water Environment Energy and Society” March 15 - 18, AISECT University, Bhopal. India (Best Research Paper Award).
3. **Elumalai S**, Muthuraman.G (2015) “Extraction and transport of methyl orange from aqueous solutions: Solvent extraction and supported liquid membrane studies”. National Symposium on Innovative methods in Chemistry Education (IMCE-2015) Oct 8 to 10, University of Luknow, Lucknow-226007.
4. Muthuraman G, **Elumalai S**, Teng TT (2015) “Removal and recovery of Cibacron Red FN-R from Aqueous solution by Supported Liquid Membrane technique”. 1st BRNS-AEACI Symposium on Current Trends in Analytical Chemistry (CTAC-2015) May 26-29, BARC, Mumbai-94.
5. **Elumalai S**, Muthuraman.G (2015) “Studies of Solvent extraction and supported liquid membrane with reactive dyes from aqueous solutions using aliquat 336 as carrier” National Conference on Innovations in Chemical Sciences & Technology (NCICST) - 21st August 2015, Scott Christian College, Nagarcoil,

6. **Elumalai S, Muthuraman.G (2015)** “Recovery of Dye from Wastewater Using Liquid-liquid Extraction and Bulk Liquid Membrane Techniques” International Conference on Energy, Water and Environmental Science and Technology (ICEWEST-2015) Feb 5&6, Presidency College, Chennai-05. P.P. 128.
7. **Elumalai S, Muthuraman.G (2015)** “Transport study of Rhodamine B dye from wastewater through supported liquid membrane impregnated with xylene in phenol” International Conference on Climate change and Sustainable Management of Natural Resources (TiMS-2015) Feb 9-11, ITM University, Gwalior-474001. P.P. 79.
8. **Elumalai. S, Muthuraman.G (2014)** “Transport of methyl orange dye from wastewater through bulk liquid membrane –kinetic study” International conference on environment and energy (ICEE2014)- JNTU-Hyderabad pp161
9. **Elumalai S, Muthuraman.G (2014)** “Recovery of reactive dyes from textile dyes using Aliquat 336 as carrier” International conference on advances in new materials [ICAN 2014] University of Madras, Chennai pp5.
10. **Elumalai S, Muthuraman, G, Sathya M, (2013)** “Removal and recovery of anionic dyes from wastewater using tri-octyl amine act as a carrier” National conference on energy, environment and climate change Presidency college Chennai pp53.
11. **Elumalai S, Muthuraman.G, (2013)** “Solvent extraction of Rhodamine B from aqueous acidic solution using phenol as an extractant”. International Conference on Recent Advances in Textile and Electrochemical Sciences (RATES-2013), Alagappa University, Karaikudi. P.No: 56.
12. **Elumalai S, Muthuraman.G, (2013)** “Kinetic study of Rhodamine B dye transport through bulk liquid membrane”. National Level Seminar on Innovative Trends in Chemistry, Gobi Arts & Science College, Erode.

National / International conferences or workshops attended

1. Workshop on “Applications of computers in Chemistry” organized by IIT Kolkata, on March 11-13, 2020.
2. Seminar on “Understanding Local Adaptation from the Lens of Climate Change: Tamil Nadu Perspective” organized by Centre for Climate Change & Adaptation Research, Anna University, Chennai 20th February, 2015.

3. Workshop on “Statistical Data Analysis using SPSS and AMOS” organized by Department of Statistics, Presidency College, Chennai, March 7-8, 2014.
4. International Workshop on “Frontier Areas in Chemical Technologies (FACTs-2014)” organized by Department of Industrial Chemistry, School of Chemical Sciences, Alagappa University, Karaikudi February 21-22, 2014.
5. Workshop on “Frontiers in Materials Science” organized by Royal Society of Chemistry-South India and Departments of Physics and Chemistry, RKM Vivekananda College (Autonomous), Chennai 11th February, 2011.
6. Workshop on “Scientific Writing and Presentation” organized by Department of Chemistry, Women’s Christian College, Chennai 18th February, 2010.
7. Attended one day district level YRC seminar on “Youth Excellence (commit and prosper)” organized by Youth Red Cross, Govt. Arts College for Men Krishnagiri on 22nd March 2019.

Faculty Development Programmes:

1. Attended Two week Faculty development training programme on “Synthesis and Characterization of Nanomaterials: Hands on Training” from 19.08.2019 to 01.09.2019 organized by Department of Physics, Government College of Engineering, Bargur.
2. Attended one week STTP on “Methodologies & Best Practices of Vibration Analysis in Automotive Industry” from 13.06.2019 to 19.06.2019 organized by Department of Mechanical Engineering, Government College of Engineering, Bargur.
3. Attended one week Faculty development programme on “Solar Photovoltaic System Design and Applications” from 10.07.2019 to 16.07.2019 organized by Department of Electrical and Electronics Engineering, Government College of Engineering, Bargur.
4. Attended Two days Faculty development programme on “Creation of interactive Video lectures & Use of ICT Tools in Teaching” 20.06.2018 to 11.06.2018 organized by Department of Mechanical Engineering, Government College of Engineering, Bargur.
5. Attended Faculty Induction Programme From 03.09.2020 to 02.10.2020 organized by HRDC, Kannur University, Kannur, Kerala – 670 002.

PERSONAL PROFILE

Name : **Dr. S. ELUMALAI**

Date of Birth : 04. 02. 1989.

Father's Name : G. Sampath

Nationality : Indian

Community : BC

Permanent Address : No. 172, Kolathu Mettu St,
(Via) S. V. Nagaram,
Paiyur Village & Post,
TV Malai District - 6322 317.

DECLARATION

I hereby declare that I am aware of the details furnished by me and promise that I would be honest and loyal to the organization.

Place : Krishnagiri

Date :

Yours Faithfully

(ELUMALAI. S)