

Name : Dr.M.R.Ezhilarasi
Designation : Assistant Professor
Department : Chemistry
Qualification : M.Sc., M.Phil., Ph.D.
Experience : Teaching - 11 Years & 3 Months Research: 18 yrs.
Area of Specialization : Synthetic Organic Chemistry & Medicinal Chemistry
Email (Official ID) : ezhilarasi.mr@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
PhD	Chemistry	Annamalai University, Chidambaram	2011
M. Phil.	Chemistry	Annamalai University, Chidambaram	2006
M.Sc	Chemistry	Annamalai University, Chidambaram	2004
B.Sc	Chemistry	Government Women's College Kumbakonam	2002

M.Phil and Ph.D Thesis Title

M.Phil thesis title: "A facile one-pot synthesis of Hantzsch and Biginelli compounds in dry media catalyzed by t-ZrO₂ Nano powder"

Ph.D thesis title: "Synthesis, Spectral analysis and Antimicrobial activities of some Novel Heterocyclic Compounds"

Research Publications

International

1. Muthuvel Ramanathan Ezhilarasi and Mannathusamy Gopalakrishnan,(2023) "**Synthesis, Spectral Characterization, In Silico Docking and ADME Prediction and Biological Evaluation of Novel Piperidin-4-one Derivatives**". Letters in Organic Chemistry, Vol 20, No, (Web of Science) (Impact factor:0.797)
2. P. Elavarasan, S. Rengadurai , S. B. Riswan Ali , S. Ramesh , N. Varagunapandiyam , M. R. Ezhilarasi and Sreedevi Upadhyayula, (2021) "**Optimizing process parameters for ionic liquid catalyzed tert-butylation of phenol using response surface methodology**". Rasayan Journal of Chemistry, Vol. 14 ,No. 1 ,261-269, (Scopus) (Impact factor:1.22)
3. Manju Mathew and Muthuvel Ramanathan Ezhilarasi. (2021), "**MCF-7 Human Breast Adenocarcinoma Anticancer and Antimicrobial, in silico Docking and ADME Prediction Studies of Furan Moiety Containing Substituted 2-Aminopyrimidine Derivatives**",Asian Journal of Chemistry; Vol. 33, No. 7 1504-1512(Scopus) (Impact factor:0.31)

4. M.R. Ezhilarasi, A.B. Senthieel Khumar and P. Elavarasan. (2021), **“Synthesis, in vitro Antimicrobial Evaluation, Molecular Docking Studies and ADME Prediction of Furan-2-yl-Morpholinophenylpyrimidine Derivatives”**. Asian Journal of Chemistry; Vol. 33, No. 5 ,1090-1098 (Scopus) (Impact factor:0.31)
5. A. B. Senthieel Khumar, K. Naveen Kumar, C. Raja And M.R.Ezhilarasi,(2020) **“In-Vitro Anticancer Activity, Antimicrobial and In-Silico Studies of Naphthyl Pyrazole analogues”**, Rasayan Journal of Chemistry,Vol-13, No-2, 1199-1214 (Scopus) (Impact factor:1.22)
6. Raja Chinnamanyakar, Ezhilarasi Muthuvel Ramanathan, (2021), **“Anti-cancer and Antimicrobial Activity, In-Silico ADME and Docking Studies of Biphenyl Pyrazoline Derivatives”**. Biointerface Research in Applied chemistry,Vol-11,Issue-1,8266-8282 (Web of science)(Impact factor:0.890)
7. Prabha .B, Ezhilarasi M.R.(2021), **“Synthesis, Spectral Characterization, in Vitro and in Silico Studies of Benzodioxin Pyrazoline derivatives”**. Biointerface Research in Applied chemistry,Vol-11,Issue-1,8266-8282 (Web of Science) (Impact factor:0.890)
8. B. Prabha, C. Raja, S. Nathiya and M.R. Ezhilarasi, (2020), **“Synthesis, in vitro and in silico Studies of Naphthalene Pyrazoline Prop-2-en-1-one Derivatives”**. Asian Journal of Chemistry,Vol. 32, No. 8 1849-1856(Scopus) (Impact factor:0.31)
9. Manju Mathew, Raja Chinnamanayakar and Ezhilarasi Muthuvel Ramanathan, (2020), **“Synthesis,Characterization,invitro antimicrobial evaluation and insilico molecular docking and ADME prediction of 4-chlorophenyl furfuran derivatives bearing pyrazole moieties”** . Asian Journal of Chemistry,Vol. 32, No. 6 1482-1490 (Scopus) (Impact factor:0.31)
10. Prabha Balakrishnan,Ezhilarasi Muthuvel Ramanathan,(2021) **“ Synthesis, Characterization, In-vitro and In-silico Studies of 5,5-dimethyl-3-(phenylamino)-cyclohex-2-enone”** . Letters in Nanobioscience, Volume 10, Issue 22181 – 2190
11. S. Rathinamanivannan , K. Megha , Raja Chinnamanayakar, Ashok Kumar, M.R. Ezhilarasi, (2019), **“Synthesis and Characterization of 2-Pyrazoline derivatives and their in Silico and in vitro Studies on Antimicrobial and anticancer activities”**. Asian Journal Of Chemistry 31 (10), 2191-2196, (Scopus) (Impact factor:0.31)
12. Raja Chinnamanayakar , M.R. Ezhilarasi,(2019) **“Synthesis and Characterization of 2-Phenylpyrazoline derivatives and evaluation of their activities against antimicrobial and Breast Cancer Cell Line In Vitro and In Silico Studies”**. Asian Journal of Chemistry, Volume 31 (6), 1311-1320, (Scopus) (Impact factor:0.31)
13. Senthieel Khumar A.B,Ezhilarasi M.R, Raja.C, Prabha.B,(2019), **“Molecular Docking Study Of The New Series Of Ethyl 6- (Furan-2yl) 4-(4-Morpholino Phenyl)-2 Oxo Cyclo Hex 3- Ene Carboxylates And Their Bacterial Activity”**. Research Journal Of Chemistry And Environment ,Vol,23 (4), 70-77, (Scopus)
14. R Chinnamanayakar, Ezhilarasi. M.R, Prabha B, (2019) **“Synthesis and characterization of cyclohexane-1, 3-dione derivatives and their in silico and in vitro studies on antimicrobial and breast cancer activity”**. Asian Journal Of Pharmaceutical And Clinical Research, 311-320
15. Raja Chinnamanayakar, M.R.Ezhilarasi, B. Prabha, M. Khulandaivel, (2018) **“In Vitro Antimicrobial Activity and In Silico Activity of 1-Thiocarbamoyl Substituted Pyrazole Derivatives”**. Asian Journal of Chemistry 30 (4), 783-789, (Scopus) (Impact factor:0.31)

16. A.B.Sentheel Khumar, M.R.Ezhilarasi, B. Prabha,(2018) **“Molecular Docking Study Of Novel Synthesized Pyrazole Derivatives And Their Antibacterial Activity”**. Asian Journal of Chemistry 30 (4), 741-746 (Scopus) (Impact factor:0.31)
17. M R Ezhilarasi, R Mahalakshmi, B Prabha, C Raja, (2017), **“Synthesis, Spectral Characterization And Biological Studies Of Ethyl-4-(Biphenyl-2-Yl)-2-Oxo-6-Arylcyclohex-3-Ene Carboxylates”**. Der Pharma Chemica 24 (9), 70-74
18. M.R.Ezhilarasi, C.Raja, B.Prabha, M.Kulanthaivel, (2017), **“Synthesis, Spectral Characterization And Antimicrobial Activities Of Ethyl-2-(4-(Naphthalene-1-Yl)-6-Phenyl Pyrimidin-2-Yl Amino)Acetate Derivatives”**, Chemical Science Transaction 6 (4)
19. B. Nathiya , M.R. Ezhilarasi, B. Prabha , C. Raja and M. Kulandaivel,(2017), **“Green synthesis, characterization and biological studies of 1-(3- naphthalen-2-yl)-5-aryl-4, 5-dihydropyrazol- 1-yl)-3-phenylprop-2-en-1-ones”**. European Journal of Pharmaceutical and Medical Research,Volume 4 (2), 769-776
20. Mary Shama Kulandhaivel Murugesan, Hridhya Vijayan, Muthuvel Ramanathan Ezhilarasi,(2017) **“Parimala Maheshwaran, Rekha Sivankutty Radha, Antibacterial Activity of Honey against Selected Pyogenic Bacteria”**. International Journal of Pharmaceutical Sciences Review and Research.Vol 45, Issue 2, 142-145, 2017.
21. M R. Ezhilarasi, M Gopalakrishnan, (2016), **“Green Synthesis, 1D And 2D NMR Spectral Characterization Of Imidazole Fused With Pyrimidine Nucleus By Using Grinding Techniques”**. Journal of Chemical and Pharmaceutical Research, Volume 8 (4), 1167-1174 (Scopus)
22. M.Makeswari T.Shanthi and M.R.Ezhilarasi, (2016), **“Adsorption of methylene blue dye by citric acid modified leaves of Ricinus Communis from aqueous solutions”**. Journal of Chemical and Pharmaceutical Research ,Vol 8, Issue 7, 452-462
23. Raja C, Ezhilarasi.M.R, Prabha B, (2016), **“A Facile One Pot Synthesis Of 2-Amino-5-Aryl Thiazole By Using NaHSO₄-SiO₂ Heterogeneous Catalyst In Dry Media”**, Research Journal of Pharmaceutical, Biological and Chemical Sciences 7 (4), 205-210, (Scopus)
24. Ezhilarasi. M. R, Prabha B, Khulandaivel M, (2015),**Green Synthesis, Spectral Characterization And Biological Activity Of Novel Acetyl Pyrazole Derivatives**, European Journal of Pharmaceutical and Medical Research 2 (3), 355-369, 2015
25. M R Ezhilarasi,(2015), **“A Facile And Rapid Solvent Free Synthesis Of Ethyl-1,2,3,4-Tetra Hydro-2-Oxo-4-Aryl-6-Phenylpyrimidine-5-Carboxylates Catalyzed By ZrO₂ Nanopowder In Dry Media”**, Roots International Journal of Multidisciplinary Researches 1 (1), 35-41
26. Ezhilarasi M.R., Prabha B. and Santhi T,(2015) **“Pyrazole Methyl Substituted Compound used as a Corrosive Inhibitor for Mild Steel in Acidic Environment”**. Research Journal of Chemical Sciences, Vol. 5(5), 1-12
27. M. R. Ezhilarasi, B.Prabha and T.Santhi, (2015), **“Corrosive inhibitive effect of pyrazole compounds towards the corrosion of mild steel in acidic medium”**. Rasayan Journal of Chemistry, Vol. 8 , No.1 ,71-83.(Scopus)(Impact factor:1.22)
28. M.R.Ezhilarasi, B.Prabha, T.Santhi, (2015) **“Mild Steel Corrosion Inhibition Effect On Pyrazole Compound In Acidic Media”**. Chemical Science Review And Letters 4 (16), 1216-1226

29. M.R.Ezhilarasi, B,Prabha, (2015), “**Comparative Study of Synthesis and Spectral Studies of Thiophenyl Carboxylate Derivatives by Microwave Irradiation and Conventional Method**”. Chemical Science Transactions 4(4), 967-974
30. M R Ezhilarasi, M Gopalakrishnan,(2015), “**ZrO₂ Nanopowder Catalyzed One-Pot Green Synthesis Of Hantzsch 1, 4-Dihydropyridine Derivatives Under Dry Media**”, Journal of Chemical and Pharmaceutical Research 7 (7), 679-684, 2015 (Scopus)
31. M. R. Ezhilarasi, B. Prabha and T. Santhi,(2015), “**Novel Pyrazole Based Ionic Liquid as a Corrosion Inhibitor for Mild Steel in Acidic Media**”. Chemical Science Transactions 4(3), 758-767
32. M. R. Ezhilarasi, B. Prabha, S. Prabhakaran (2014), “**Microwave Assisted Synthesis And Spectral Studies Of Thiophenyl Pyrimidine Derivatives**”. Journal Of Applicable Chemistry ,Vol-3 ,Issue-5, 1929-1935
33. V Kanagarajan, M R Ezhilarasi, D Bhakiaraj, M Gopalakrishnan, (2013), “**In Vitro Anticandidal Evaluation Of Novel Highly Functionalized Bis Cyclohexenone Ethyl Carboxylates**”. European Review For Medical And Pharmacological Sciences 17 (3), 292-298, (Web of Science) (Impact factor:2.387)
34. V Kanagarajan, M R Ezhilarasi, M Gopalakrishnan,(2011), “**Novel Synthesis of bis Acetylated Hybrid Pyrazoles as Potent Anticandidiasis Agents** 항칸다디아 활성이 우수한 Bis Acetylated Hybrid Pyrazoles 의 합성 연구”. Journal of The Korean Chemical Society 55 (2)(Scopus)
35. V Kanagarajan, M R Ezhilarasi, M Gopalakrishnan,(2011), “**Synthesis and in vitro microbiological evaluation of novel diethyl 6,6'-(1,4-phenylene)bis(4-aryl-2-oxo-cyclohex-3-enecarboxylates)**”. Journal of enzyme inhibition and medicinal chemistry,Vol-26,Issue-4, 496-505 (Web of Science) (Impact factor:2.332)
36. V Kanagarajan, M R Ezhilarasi, M Gopalakrishnan,(2011), “**In Vitro Microbiological Evaluation of 1, 1'-(5, 5'-(1, 4-Phenylene) Bis (3-Aryl-1H-Pyrazole-5, 1-(4H, 5H)-Diyl) Diethanones, Novel Bis Acetylated Pyrazoles**”. Organic and Medicinal Chemistry Letters 1 (1), 8 (Scopus)
37. V Kanagarajan, J Thanusu, M R Ezhilarasi, M Gopalakrishnan,(2011), “**Solvent-Free One-Pot Synthesis, Characterization, Antibacterial and Antifungal Activities Of Novel Spiropiperidinyl-1, 2, 4-Triazolidine-3-Thiones**”. Chemistry of Heterocyclic Compounds 47 (1), 60-66 (Web of Science) (Impact factor:1.201)
38. V Kanagarajan, M R Ezhilarasi, M Gopalakrishnan, (2011) “**One-Pot'ultrasound Irradiation Promoted Synthesis And Spectral Characterization Of An Array Of Novel 1, 1'-(5, 5'-(1, 4-Phenylene) Bis (3-Aryl-1H-Pyrazole-5, 1 (4H, 5H)-Diyl)diethanones, a bis acetylated pyrazoles derivatives**”. Spectrochimica Acta Part A: Molecular And Biomolecular Spectroscopy 78 (2), 635-639 (Web of Science) (Impact factor:2.931)
39. V Kanagarajan, M R Ezhilarasi, J Thanusu, M Gopalakrishnan, (2011), “**Activated Fly Ash-Catalyzed Synthesis Of Naphthyl-Substituted Cyclohexenone Carboxylates, Indazolones, And Nitro Hydrazones In “Dry Media**”. Green Chemistry Letters and Reviews 4 (4), 355-368(Web of Science) (Impact factor:3.364)

40. M Gopalakrishnan, P Sureshkumar, J Thanusu, V Kanagarajan, Vijayakumar Kanagarajan, Muthuvel R Ezhilarasi,(2008) **“An Expedient One-Pot Synthesis Of 3, 4-Dihydropyrimidin-2 (1H)-Ones And-Thiones Catalyzed By Zirconia Nanopowder. An Improved Protocol For The Biginelli Cyclocondensation ...”** Letters In Organic Chemistry 5 (2), 142-147, 2008 (Web of Science) (Impact factor:0.730)
41. M Gopalakrishnan, P Sureshkumar, V Kanagarajan, J Thanusu, Ramalingam Govindaraju, Muthuvel R Ezhilarasi, (2006), **“Microwave-Promoted Facile And Rapid Solvent-Free Synthesis Procedure For The Efficient Synthesis Of 3, 4-Dihydropyrimidin-2 (1H)-Ones and-Thiones Using ZrO₂/SO₄²⁻-As A Reusable ...”** Letters In Organic Chemistry 3 (6), 484-488, 2006 (Web of Science) (Impact factor:0.730)

Papers Presented in International Conferences

M.R.Ezhilarasi,(2022) Anti-breast cancer activity of 1-(naphthalene-6-yl)ethanone ANCH derivatives and their insilico studies, **“3rd International conference on Applied Science and Engineering, Technology and Management”** organized by Organized by Department of Sciences and Humanities, Alpha College of Engineering, Chennai on 23rd September 2022.

M.R.Ezhilarasi,(2022) Anti-breast cancer activity of 1-(naphthalene-6-yl)ethanone ANCH derivatives and their in vitro and insilico studies, **“1st International conference on Recent Innovations in Multidisciplinary Scientific Research”** organized by 2022 Organized by Department of Basic Sciences and Life Sciences, Karpagam Academy of Higher Education, Coimbatore on 8th to 10th June 2022.

M.R.Ezhilarasi,(2021)Synthesis, spectral Characterization, in-vitro and in-silico studies of Benzo-Dioxin Pyrazoline derivatives in the **“International Virtual Conference on Chemical Research Sustainable Development(ICCRSD-2021)”**, Organized by the Department of Chemistry, SRM Institute of Technology, Ramapuram Campus, Chennai-89 during 24th and 25th September, 2021.

M.R.Ezhilarasi,(2021) **“2nd International Conference on Emerging Trends in Life Science9ICETLS-2021”** Virtual mode Organized by the Department of Botony, Telengana University, Dichpally, Nizamabad, on 28th and 29th January 2021.

M.R.Ezhilarasi,(2020) Synthesis,Spectral Characterization, in-vitro and in-silico studies of benzo-dioxin pyrazoline derivatives, **“One day International Conference on Recent Trends in Chemistry-2020”**,Organized by Sri Ramakrishna Vidyalaya College of arts and Science Coimbatore-641 020, on 7th February 2020.

M.R.Ezhilarasi, (2020) **“International webinar conference on “Biomaterials on Healthcare Application”** conducted by Department of Biotechnology, Karunya Institute of technology and science during 28th to 30th May, 2020.

M.R.Ezhilarasi, **“Indo-UK Virtual Conference “Current Innovations and the Future of Therapeutic Developments CIFTD-2020”**, organized by Centre for Biomaterials Cellular & Molecular Theranostics (CBCMT) at Vellore Institute of Technology (VIT), Vellore, India and Swansea University, United Kingdom during 1st -3rd June, 2020.

M.R.Ezhilarasi,(2020) **“International Web Conference on “Emergence of alternative Therapeutic to Contagious Diseases”** organized by the PG and Research Department of Zoology, Sri Vasavi College, erode during 11th and 12th June 2020.

M.R.Ezhilarasi,(2020) **“International Conference on the web on “Scope of Research in science Post COVID 19”** organized by Department of Chemistry, In associated with Tamil Nadu State Council for

Science and Technology & Department of Science and Technology, Bharathi Women's College (Autonomous) Chennai on 21th June 2020.

C.Raja and M.R.Ezhilarasi, (2020) Synthesis and Characterization of 2-pyrazolinederivatives and evaluation against antimicrobial and Breast cancer. **“International Conference on Innovations in Chemical Sciences”**-2019 on 19th February 2019.

C.Raja and M.R.Ezhilarasi,(2018) Invitro antimicrobial activity and Insilico activity of 1-Thiocarbamoyl derivatives, **“2nd International conference on “Advances in Science, Engineering and Management”**, Organized by Jay Shriram Group of Institutions on 6th and 7th April 2018.

M.Gopalakrishnan, P.Sureshkumar, J.Tanusu, V.Kanagarajan, R.Govintharaju, M.R.Ezhilarasi, (2007) Begin by design one pot synthesis of 3, 4-di hydro pyrimidin-2(1H)-ones and thiones catalyzed by zirconia nano powder. An improved protocol for the biginelli cyclocondensation componts in dry media . **“94th Indian science congress (An international conference)”**, Annamalai University, 3rd – 7th January, 2007

Papers Presented in National Conferences/Seminars

M.R.Ezhilarasi, (2022) Synthesis and Characterization of Cyclohexane-1,3-dione derivatives and their insilico and invitro studies on antimicrobial and anti-cancer activity, **National Level Virtual conference on “ Emerging Trends in Chemical Sciences”** organized by Department of Chemistry, Karpagam Academy of Higher education, Coimbatore on 25th and 26th March 2022.

A.B.Senthiel Khumar and M.R.Ezhilarasi,(2018), Molecular docking studies of novel synthesized pyrazole derivatives and their antibacterial activity, **National Conference on “Emerging Trends in Material, Medicinal and Environmental Chemistry”**, organized by Department of Chemistry, Karpagam University on 8th and 9th March 2018.

C.Raja and M.R.Ezhilarasi,(2017) Synthesis, Characterization and biological studies of 1-(5-biphenyl-2-yl-3-aryl-4,5-dihydropyrazol-1-yl-3-phenylprop-2-en-1-one derivatives, antimicrobial activity and Insilico activity of 1-Thiocarbamoyl derivatives, **National Conference on “Drug discovery from Medicinal and Aromatic Plants”**, organized by Department of Chemistry, Karpagam University on 2nd and 3rd February 2017.

C.Raja and M.R.Ezhilarasi,(2016) Synthesis spectral studies and antimicrobial activity of 1-Thiocarbamoyl derivatives, **Seminar on “Emerging Trends in Frontiers of Metal Organic Chemistry”**, Organized by the Department of Chemistry on 18th February 2016.

M.R.Ezhilarasi, B.Prabha and G.Balamurugan,(2016) Synthesis, Characterization of Some New substituted Dispiropyrrolidines, antimicrobial activity and Insilico activity of 1-Thiocarbamoyl derivatives, **National Conference on advances in “Environmental, Synthetic and Medicinal Chemistry”** Organized by Department of Chemistry, Karpagam University on 5th and 6th April 2016.

M.R.Ezhilarasi , (2015) A facile and rapid solvent free synthesis of Ethyl-1,2,3,4-tetrahydro-2-oxo-4-aryl-6-phenylpyrimidine-5-carboxylates catalysed by ZrO₂ nanopowder in dry media, UGC sponsored **National Conference on “Frontier Areas in Chemistry”**, Organized by Thiyagarajar college, 26th and 27th February 2015.

M.R.Ezhilarasi, (2014) UGC sponsored one day **National level Seminar, “Emerging Trends in Frontiers of Chemistry”**, Organized by the Department of Chemistry, Sri.G.V.G Visalakshi College for Women, Udumalpet, Tamil Nadu on 30th December 2014.

M.Gopalakrishnan, J.Tanusu , M.R.Ezhilarasi, B.Chellakili, (2010) An efficient green protocol for one-pot synthesis of 5, 7-dihydroxy-4-aryl-2H-chromen-2-ones under solvent-free conditions. **National Seminar on “New Frontiers in Chemistry”** ,Mar 15-16, 2010.

M.R.Ezhilarasi, Gopalakrishnan,(2010) Microwave assisted solvent-free synthesis and characterization of 5-carbethoxy-4, 6-diaryl-3, 4-dihydropyrimidine-2-(1H) ones. ISBN No. 978-93-80627-17-5, 2010, **“Tenth Tamil Science Congress”**, Manonmanium Sundaranar University, 21 -23rd May, 2010.

M.Gopalakrishnan, J.Tanusu, V.Kanagarajan, ,M.R.Ezhilarasi, K.Anitha, B.Chellakili, R.Sundaram, (2009) Synthesis and spectral analysis of some 4, 5-diphenyl-2-aryl-1H-imidazoles under microwave irradiation. **National Conference on Materials Science**, Oct 9-10, 2009.

M.Gopalakrishnan, J.Tanusu, V.Kanagarajan, R.Govintharaju, M.R.Ezhilarasi,(2008) Synthesis and in vitro microbial evaluation of 3-chloro-1-hydroxy-2,6- diarylpiperidin-4-ones. **National seminar on “Theoretical and Chemical Sciences”**, Annamalai University, 22nd &23rd February, 2008.

M.Gopalakrishnan, J.Tanusu, V.Kanagarajan , M.R.Ezhilarasi, R.Govintharaju. (2008) Synthesis and spectral studies and anti-microbial activity of 7-methoxy [1, 2, 3]-thiadiazole and 7-methoxy [1, 2, 3]selenadiazole. **National Conference on “Emerging Trends in Chemical Research”**, Annamalai University, 17th & 18th October, 2008.

M.Gopalakrishnan, P.Sureshkumar, J.Tanusu, V.Kanagarajan, R.Govintharaju, M.R.Ezhilarasi, S.Manikandan ,(2006) One pot synthesis of some 4 – aryl-1, 4-di hydropyridines via hantzsch three components condensation in dry media. **CSIR Seminar on “Recent Advances in Chemistry”**, Annamalai University, 10th & 11th March 2006.

Books Chapters

Book Chapters Published-2 (ISBN Number- 978-81-951871-2-6)

Participation in Workshop

- Two days online workshop programme on **“Chem Draw and Chem sketch software learning”** organized by ACS-International Student Chapter& Lavoisier’s Association, Department of Chemistry, Faculty of Science on 28th – 29th January, 2022.
- Five days Virtual workshop on **“Analytical Instrumentation”** Organized by Department of Chemistry, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai from 5th to 9th July 2020.
- One Week Virtual national level Skill Development Programme entitled **“ Selected Topics in chemical science for CSIR-NET/ SET/ GATE/IIT-JAM Aspirants”** organized by Post Graduate Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi from 8th to 13th July 2020.
- Online Workshop on **“Fluorescence Spectroscopy & Current Research in Fluorescent Nanomaterials”** Organized by the PG Department of Chemistry, V.S.S. government Arts College, Pulankurichi, Sivagangai District on 24th July 2020.
- National Workshop on **“Interpretation of Spectral data and Identification of Phytoconstituents”** Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21 on 11th and 12th October 2019.

- Hands on Training Programme on “**Spectroscopic and Chromatographic Techniques**” Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21, Tamil Nadu, India, on 9th February 2018.
- National Workshop on “**Interpretation of Spectral data and Identification of Phytoconstituents**” Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21 on 26th and 27th September 2018.
- National Level Training com Workshop on **Detection of pollutants in Environment**, organized by Department of Biotechnology, Faculty of Arts Science and Technology, Karpagam University, Coimbatore-21, 8th to 10th February 2017.
- National Workshop on “**Interpretation of Spectral data and Identification of Phytoconstituents**” Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21 on 1st and 2nd September 2017.
- Workshop programme on “**Radiochemistry**” Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21 in association with Indian Association of Nuclear Chemists and Allied Scientist, IGCAR, Kalpakkam, Tamilnadu, on 14th & 15th December 2017.
- Skill Development Workshop on “**E-Content Development, under Quality Improvement Programme (QIP)**” conducted by Human Resource Development Centre, Karpagam University, Coimbatore-21, 31st May to 4th June 2016.
- One Day Workshop on “**Data Analysis using SPSS** , as a part of the One Day Hands on Training Programme” organized by SPSS South Asia Pvt Ltd, Bangalore on 30th August 2014.
- National Workshop on “**Interpretation of Spectral data and Identification of Phytoconstituents**” Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21 on 24th and 25th October 2013.
- National Level Workshop on “**Interpretation of Spectral data and Identification of Phytoconstituents**” Organized by Department of Chemistry, Karpagam Academy of Higher Education, Coimbatore-21 on 17th and 18th February 2012.

Participation in Faculty Development Programme

- “National One week Faculty Development Programme on ICT tools for “**Effective Teaching and Learning**” from 23rd may 2022 to 28May 2022, organized by Amar Sewa mandal’s Kamal Nehru Mahavidyalaya, Nagpur-440024, Maharashtra.
- Six days Faculty Development Program on “**Green Chemistry for Sustainable Development**” organized by the Department of Chemistry, SRM Institute of Science and Technology, Ramapuram campus, Chennai in association with the Association of Chemistry Teachers, Mumbai from 16th May 2022 to 21st May 2022.
- International One week Faculty development Programme on “**Research Methodology**” from 2nd May 2022-7th May 2022, organized by Amar Sewa Mandal’s Kamal Nehru Mahavidyalaya, Nagpur-440024, Maharashtra.
- Successfully completed AICTE Training and Learning (ATAL) Academy Online Elementary FDP on: “**Novel Materials for Next Generation**” from 26.7.2021-30.7.2021 at Nallamuthu Mahalingam College.

- Science Academies sponsored Refresher Course on “**Theoretical and Computational Chemistry**” Organized by Post Graduate Department of Chemistry, PSGR Krishnammal College for women, Coimbatore-4, 27th January to 11th February 2021.
- Virtual International Faculty Development Programme entitled “**Advanced Topics in Chemical Sciences**” organized by Post graduate Department of Chemistry, Nallamuthu Gounder Mahalingam College, Pollachi, 15th to 21st May 2020
- National Level Faculty Development Programme on, “**Facilitation Techniques and Online Tools for College Teachers**”, organized by Microbiology Department in association with Internal Quality Assurance Cell (IQAC), S.M.Joshi College Hadapsar, Pune-28 on 27th and 28th May 2020.
- Online course on “**Recalling the Foundations and frontiers of Thermodynamics**” organized by PG & Research Department of Chemistry, Arignar Anna Government Arts College, Cheyyar, Thiruvannamalai District, on 3rd & 4th June 2020
- National Level Online Course on “**Chemistry in Our Day –to-day Life**” conducted under DBT Star College scheme by the PG and Research department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamil Nadu, from 4th to 8th June 2020.
- 12 hours certificate course on “**Virtual Class Room**” organized by Centre for Future Technology held from 15th to 20th June 2020.
- Fourteen days Online Faculty Development Programme on “**Materials science & Nanotechnology (FDP-MSNT-2020)**” organized by Department of Chemistry, B.S.Abdur Rahman crescent Institute of Science and Technology, Vandalur Chennai, during the period 3rd to 17th August 2020.
- Five days International online Faculty Development Programme on “**Recent Advanced Research in Chemistry**” organized by Department of Science and Humanities-Chemistry, C. Abdhul Hakeem College of Engineering and Technology, Hakeem Nagar, Melvisharam , Rnippet District, From 15th to 19th July 2020.
- Three days online Faculty Development Programme on “**Teaching, learning & Evaluation in the Digital Era**” Under DBT College Scheme organized by the post Graduate and research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli, during the period 17th to 19th August 2020.
- Fifteen days Orientation Programme organized by Academic Staff College, Karpagam University held 12th to 28th June 2013.

SWAYAM NPTEL COURSES COMPLETED WITH FDP

Courses Completed- Eight

1. Mechanism in Organic Chemistry
2. Coordination Chemistry
3. Bioinorganic Chemistry
4. Medicinal chemistry
5. Analytical Chemistry
6. Industrial Inorganic Chemistry
7. Transition Metal Organometallic Chemistry: Principles and Applications
8. SWAYAM ARPIT ONLINE COURSE CERTIFICATION successfully completing the ARPIT course for Career Advancement Scheme(CAS) promotion Online Refresher Course In Chemistry For Higher Education From 1st Dec 2020 to 31st March 2021 , S.G.T.B Kalsha College, University on Delhi

AWARDS/FELLOWSHIPS

1. Elite certificate award received for NPTEL Courses – 4
2. NPTEL Discipline Star award received for NPTEL courses from June-December 2022

CONFERENCE / WORKSHOP / HANDS ON TRAINING PROGRAMME ORGANIZED

1. National conference on Recent Trends in Medicinal Material, Environmental and Battery Research in Chemistry, Karpagam Academy of Higher Education, Coimbatore, 12th & 13th March 2020.
2. National conference on Exploring in New Dimensions and Discoveries in the field of Chemistry, Karpagam Academy of Higher Education, Coimbatore, 8th & 9th March 2019.
3. Workshop Programme on Spectral and Chromatographic Techniques, Karpagam Academy of Higher Education, Coimbatore, 26th September 2014.

RESEARCH PROJECT UNDER TAKEN

S.No.	Funding Agency	Period		Project Title	Amount (Rs.)	Status (Completed /Ongoing)
		From	To			
1	Government of Tamil Nadu (Tamil Nadu State council for Science and Technology) (Students Project scheme) 2021-2022	Dec-2021	May-2022	Study on Bis Pyrazoline Derivatives as a Potent Bioactive Molecules against Human Breast Cancer Cells (BS-718)	7,500	Completed

PATENT FILED/AWARDED

Patent filed-2

Improved synthesis of 2-hydroxy naphthoquinone and its analogues. File:632/CHE/2010 A, March 2010.
Published issue 42, October 17, 2014.

MEMBERSHIP IN PROFESSIONAL BODIES

Association of Chemistry Teachers