

Resume



Name : Dr. (Mrs.) K. Poonkodi
Gender : Female
Qualification : M.Sc., M.Phil., Ph.D.,
Nationality : Indian
Religion : Hindu
Marital Status : Married
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Permanent Address

Dr. (Mrs). K.Poonkodi,
1/64 Karumapuram,
Zamin Muthur (post),
Pollachi-642005.

Official Address

Head & Assistant Professor,
PG Department of Chemistry,
NGM College,
Pollachi-642001.

Educational Qualification : MSc, M.Phil., PhD

Specialization : Organic Chemistry, Phytochemistry, Environmental Chemistry and Nanochemistry

Working Experience:

Under graduate and Post Graduate Level : 17 Years

Research Experience (8Years)

- Synthesis and characterization of Ytria stabilized Zirconia Solid electrolyte –via Polymeric precursor routes. **IGCAR, Kalpakkam.**
- Elemental analysis of Stainless Steel by atomic absorption spectroscopy and atomic emission spectroscopy. **IGCAR, Kalpakkam.**

- Infrared spectral studies and substituent effects of N-Salicyloyl Benzaldehyde Hydrozone. Annamalai University, **Chidambaram**.
- Phytoconstituents from *Ocimum basilicum* Linn. and *Richardia sacbra* Linn. and their biological activities. Karpagam University, **Coimbatore**.

Reviewer of Journals

- Scientific Reports – **Nature**
- Medicinal Chemistry Research-**Springer**
- Waste and Biomass valorization- **Springer**
- Journals from Academic Sciences-**India** (Since 2015)
- Journals from Bentham Science -**Netherlands**
- International Journal of Pharmaceutical Research and Bio-Science- **India**
- Journal of Essential Oil Bearing Plants (**Taylor& Francis**)- **UK**
- Science Domain International-**India, USA** and **UK**
- Journal of Biologically Active Products from Nature (**Taylor& Francis**)- **UK**

Patents

- Hair Growth Stimulants and The Manufacturing Method Thereof -**202241052907**

Awards

1. **Raman- Ramanujam Award for Best teacher** awarded by Rathinam College of Arts & Science College, Coimbatore on 28.02.2020.
2. **Women Researcher** Award by V.D good Professional Association, Tamil Nadu on 16.09.2020.
3. **Global Eminent Academician Award (2021)** by **VIJ Trust**, Thiruninravur

Workshops/Conferences/Guest lecture Organized

1. Coordinated a **Faculty Development Program** on 07/02/15 in Arjun College of Technology, Tamaraikulam. (NLP-Trainer- Mr. Bharat Chaugule).
2. Organized a **Guest Lecture** on “**Quantum Mechanics and Computational Chemistry**” the lecture delivered by Dr. G. Saranya, Post doc., The Beijing

Computational and research Center, China on 03/10/17 at NGM College, Pollachi.

3. Organized a **National Conference on “Recent Innovations in Greener Nanotechnology”** on 21st July 2017 at NGM College, Sponsored by NGM Management, Pollachi.
4. Organized a one day **National level workshop on “Micro scale experiments in Chemistry”** on 9th January 2018 at NGM College, Pollachi.
5. Organized a **one day state level workshop on “Spectral data interpretation and chromatography technique”** on 26th July 2018 at NGM College, Pollachi.
6. Organized a **Guest Lecture on “Magnetic Nanomaterials for Cancer Drug Targeting”**, conducted by the PG department of chemistry 12th September 2018 (Wednesday) at NGM College, Pollachi.
7. **Organized a Guest Lecture on “NMR SPECTROSCOPY”** conducted by the PG department of chemistry 13.10. 2018 at NGM College, Pollachi
8. Organised a **Guest lecture on “Recent research development in chemical Sciences”** by the PG department of chemistry 18th March 2019 at NGM College, Pollachi.
9. Organised **Tamilnadu State Council for Science and Technology sponsored Two days national level seminar** on Advanced materials for Energy, Environment and Medicinal Applications on 11.07.2019 & 12.07.2019 at NGM College, Pollachi.
10. Organised a **Guest lecture on “SUPRA MOLECULAR ASSEMBLY OF NANO AGGREGATES”** conducted by the PG department of chemistry 02.08.2019 at NGM College, Pollachi
11. Organised **Tamilnadu State Council for Higher education sponsored Two days national level Conference on Role of Phytochemical and Advanced Materials in Cancer Prevention and Research”** on 26.02.2020 & 27.02.2020 at NGM College, Pollachi.
12. Organized a **National level Quiz on Corona Awareness** on 18.04.2020
13. Organized **One day International Virtual Faculty Development Programme on Recent Innovations in Herbal Cosmetics** on 12.05.2020.
14. Organized **One Week Virtual International Faculty Development Programme "Advanced Topics in Chemical Sciences** on 15.05.2020 to 21.05.2020.
15. Organized **One day virtual workshop on *Multimedia enriched e-Assignment for students*** on 05.06.2020

16. Organized One Week Virtual "Skill Development Programme" on *Selected Topics in Chemical Sciences for "CSIR-NET/SET/GATE/IIT-JAM Aspirants* on 08.07.2020 to 13.07.2020.
17. Organized One Week Virtual "Skill Development Programme-II on *Selected Topics in Coordination Chemistry* on 24.08.2020 to 28.08.2020.
18. Sanctioned Tamil Nadu State Council for Science and Technology sponsored "Two days State level Exhibition & Quiz for Government School Students of Pollachi Taluk" from 27.02.2021 to 28.02.2021.
19. Organized AICTE-ATAL Sponsored Faculty development program On "Novel materials for Next Generations" from 26.07.2021 to 29.07.2021.

Resource Person

1. Guest lecture on "Chemistry of Plants", Shri Nehru Maha Vidyalaya College of Arts and Science, Coimbatore on 18.10.2016.
2. Delivered Guest lecture on "Chemistry in day today life" in Tamilnadu State Council for Science and Technology sponsored in-service training for government School teachers on 13.08.2017, NGM College Pollachi.
3. Chairperson for Paper Presentation in the "one day State level Seminar on Corrosion Management in Daily Life"-18th August 2017.
4. An extension Activity on "Handmade herbal soap making", in Karumapuram Village, Pollachi Taluk, for Celebration of World's Womens day, on 08.03.2020.
5. Workshop on "Handmade herbal soap making" in Kongunadu Arts & Science College, Coimbatore-20.03.2019.
6. FDP on "ICT Tools for Collaborative learning" in NGM College, Pollachi, on 4th February 2020.
7. National webinar on "e-Learning Tools for Students" organized by SNS College of Technology, Coimbatore on 10.08.2020
8. National level one day virtual workshop on "ICT Tools and Virtual lab" "organized by Sakthi Arts and Science College of Women, Oddanchatram on 16.10.2020.
9. "International Conference on Science, Technology and Mangement-2020" organized by Global Conference Hub, Coimbatore on 5.12.2020.

10. Special invited lecture on “**Electronic spectra for Coordination Complexes**” delivered to **Dr. NGP College of Arts & Science College, Coimbatore** on **25.01.2021**
11. National Level Workshop on “**Digital Transformation**” **organized by** Department of Commerce with Professional Accounting in Sri Ramakrishna College of Arts and Science, Coimbatore on 26th February, 2021.
12. National level webinar on “**Home 'N' Herbs**” organized by Nature club of Kumaraguru College of technology on 18th march 2021.
13. Faculty Development Program on **Recent Trends in Nano Technology** Organized by Department Of Chemistry Dr. N.G.P. Arts And Science College, Coimbatore On 25.01.2022.

Refresher /Induction Course

1. Completed the ARPIT Online Refresher Course In Chemistry For **Higher Education** with a "B" Grade in the proctored examination held on 16.02.2020, Sri Guru Tegh Bahadur Khalsa College, University of Delhi, certificate released date:30.06.2020.
2. Completed **AICTE & ISTE** Sponsored **Induction/Refresher** Programme on Best Educational Practices, organized by Thiagarajar Polytechnic College, Salem, from 23.11.2020 to 28.11.2020.
3. Participated **Science Academics** sponsored **Refresher course** on Computational Chemistry, Organized by PSGR Krishnammal College, Coimbatore, from 27.01.2021 to 11.02.2021.
4. Completed ARPIT Examination on **Pedagogical Innovations And Research Methodology** 1st Dec 2020 to 31st March 2021, with a Grade “A” in the proctored examination held on 21/08/2021, Guru Jambheshwar University of Science & Technology Hisar, Haryana.

Guideship

-  Obtained M.Phil and Ph.D Guideship in Bharathiar University, Coimbatore (1804-6/A2/2016 & 28/08/2016).

Scholarship

Selected for summer training programme conducted by **Indira Gandhi Centre for Atomic Research, Kalpakkam, Chennai**, during my Pre final Post graduate programme from 25/05/1999 to 02/07/2000.

Books Published -08

1. Edited book on “Recent Innovations in Greener Nanotechnology” (ISBN- 9788193388266).
2. Edited book on “Advanced Materials for energy, Environment and Medicinal Applications” (ISBN -9789387009561).
3. Edited Book on Role of Phytochemicals and Advanced materials for Cancer Prevention and Research (ISBN-97903887661)
4. Frontiers of Nanoscience (ISBN -9788195187133)
5. Frontiers of Chemical Sciences (ISBN -9788195187126)
6. Uzhavu Bharatham- paper-I (ISBN -978-93-87009).
7. Uzhavu Bharatham- paper-II (ISBN -978-93-87009).
8. Uzhavu Bharatham- paper-III (ISBN -978-93-87009).

Research Publications-33

1. Poonkodi Kathirvel and Subban Ravi. Chemical composition of essential oil of basil (*Ocimum basilicum* Linn) and its *invitro* cytotoxicity of HeLa, HEP2 human cancer cell lines and NIH 3T3 Mouse embryonic fibroblasts in *Natural product research*, 2012 26(12), 1112-1118.
2. K. Poonkodi and S.Ravi. Isolation of Phytoconstituents of petroleum ether extract of leaves of *Richardia scabra* Linn (Rubiaceae), *Indo American journal of Pharmaceutical and research*.2014, (5), 2514-2518.
3. K. Poonkodi and S.Ravi. Phytochemical investigation and in vitro antimicrobial activity of *Richardia scabra*. *Bangladesh J Pharmacol* 2016; 11: 348-352. Impact factor (1.02).
4. K. Poonkodi. Chemical composition of essential oil of *Ocimum basilicum* L. (basil) and its biological activities—an overview. *Journal of Critical Reviews*, 2016 ;3 (3), 56-62.
5. K.Poonkodi. Phytoconstituents from *Richardia scabra* L. And its biological activities. *Asian J Pharm Clin Res*, 2016; 9(6), 168-171, (Scopus).

6. **K. Poonkodi**, K. Vimaladevi, M. Rubini, R. Priyadarshini and S. Vinitha. Evaluation of invitro anticancer and antiinflammatory potential of *Mitracarpus villosus* (Sw) DC. ***Int.J. Pharm.***, 2017, 7(2).
7. **K. Poonkodi**, R.Anitha, S. Vasanthamani, J. Karthika and V. Tamilselvi. Evaluation Of Invitro Cytotoxicity Of Essential Oil From *Clausena dentata* (Willd) Grown In Western Ghats Region- South India, ***Asian J.Chem.***, 2017, 29(7).
8. **K.Poonkodi**, S.Vidhyabaranika, G.Pryanka, PU. Meha and R.Jeevitha. Chemical Composition and Anti-Inflammatory Potential of Essential Oil of *Alpinia calcarata* ROSC. - grown in South India. ***Int. J. Pharm. Sci. Rev. Res.***, 2017; 42(1), 207-210. (Scopus).
9. **K.Poonkodi**, K. Gomathi, M.Akila, S.Deepadevi and A.Dhivya. Gas chromatography-mass spectrometry analysis and in vitro antioxidant activities of *Ruta graveolens* L. From Western ghats region - South India. ***Asian J Pharm Clin Res***, 2017, Vol 10(5), 297-301. (Scopus).
10. **K.Poonkodi**, V. Jayapriya, K. Sujitha, R. Jeevitha and PU. Megha. In-vitro Anticancer Activity and Essential oil Composition of *Tridax procumbens* (L.), ***Am. J. Pharm Tech Res.***, 2017, 7(2).
11. **K. Poonkodi**, J.Karthika, V. Tamilselvi, R. Anitha and S.Vasanthamani. Chemical composition of essential oil of *Hyptis suaveolens* (L.) POITand its invitro anticancer activity. ***J Pharm Res.***, 2017, 11 (5),410—413.
12. **K.Poonkodi**, K.Vimaladevi and R.Mini, Chemical Composition and In vitro Antimicrobial, Anti-MRSA Activities of Essential Oil of *Clerodendrum inerme* (L.) Gaertn- grown in Western Ghats Region. ***Int. Chemtech Research.***, 2017, 10(8). (Scopus).
13. **K.Poonkodi**. Medicinal plants are boon to future, ***Kalanjium***, Sep2017.
14. VelliangiriPrabhu, **K. Poonkodi**, R. Mini, K.Vimala Devi & M. KarthigaiPriya, GC-MS analysis of bioactive compounds present in the petroleum ether, chloroform and methanol extract of *Ixora coccinea*'s flower and in-vitro cytotoxic activity of methanolic extract against DLA and EAC cancer cell lines. ***International Journal of Research and Analytical Reviews***, 5(4);, 801-807,2018.
15. Saranya. K. S., KarthigaiPriya. M and **Poonkodi. K**, Chemical composition of ethanol extract of *Diosypros montana* rox berg leaves and its biological activities. ***American International Journal of Research in Science, Technology, Engineering & Mathematics***, ,165-167, 2019.(UGC).
16. KarthigaiPriya M, Saranya. K. S and **Poonkodi. K**, Evaluation of phytoconstituents of *Feronialimonia* and its in vitro cytotoxicity. ***American***

17. **Poonkodi, K.**, R. Mini, K. Vimaladevi, V. Prabhu, M. Anusuya, M. Karthigaipriya and K.S. Saranya. In Vitro Cytotoxicity Potential of Ethanol Extract Of *Syzygium Samarangense* (Wt.), **Kong. Res. J.** 6(1): 29-31, 2019.
18. **Poonkodi, K.**, Vimaladevi, K., Suganthi, M and Gayathri, N. Essential Oil Composition and Biological Activities of *Aegle marmelos* (L.) Correa Grown in Western Ghats Region- South India, **Journal of essential oil bearing plants**, Volume 22(4), 2019. (SCI, WoS).
19. **Poonkodi, K.**, Logamadevi, A Suganthi, M and Divya, A. Chemical Composition of Essential oil of *Zingiber zerumbet* (L.) Simth and its Biological activities. **Research Journal of Chemistry and Environment**, 24 (9):16- 21, 2020.(Scopus)
20. **Poonkodi, K.**, Bhavadharini, D.and Raj kumar R. Performance Study of Micro Porous Adsorbent from AegleMarmelos Fruit Shell on Malachite Green Removal, **Indian Journal of Environmental Protection**, 40 (4) : 364-373, 2020,(Scopus).
21. V.Prabhu, **K. Poonkodi**, R.Mini, K.Vimaladevi, K.Pradeep, S.Bhuvaneswari and M.Anusuya, Antidandruff activity of *Cassia auriculata* and *Cassia alata* through fatty acids mediated inhibition of *Malassezia furfur*, *Journal of Applied and natural Science*, 12(4):532 – 540, 2020.(Scopus).
22. K. Vimaladevi, M. Selladurai, **K. Poonkodi**, V. Prabhu, R. Mini & B. Manojkumar, Chemical Composition of Essential Oil of *Cananga odorata* (Lam.) Hook. F. & Thomson Leaves and Its Biological Activities, **Journal of essential oil bearing plants** 24 (3), 596 – 602, 2021.(Web of Science)
23. M. Anusuya, V. Princy, A. Nagaveni, M. Suganthi, **K. Poonkodi** and E. Jayanthi Investigation of Phytochemical Constituents of Tobacco (*Nicotiana Tobacum* L.) Methanol Extract, **Molecular Biology**, 10:4, 2021, 1-2.
24. Chitradevi, P. N. Magudeswaran, Vikas D. Ghadamode, **K. Poonkodi** & V. Anitha Ground and surface water quality assessment of Palladam Taluk using Geographical Information System and Modified National Sanitation Foundation - Water Quality Index", **Journal of Applied and Natural Science**, 13(3): 2021.(Scopus).
25. R. Chitradevi, M. Jeyaraj, Vikas D. Ghadamode, **K. Poonkodi**, V. Rani and P.N. Magudeswaran, Assessment of Water Quality Using Modified Water Quality Index and Geographical Information System in Madathukulam Taluk, Tiruppur District, Tamil Nadu, India, **Orient J Chem**, 2021;37(5), 2021.(Web of Science)
26. R. Chitradevi, P. N. Magudeswaran, Vikas D. Ghadamode, **K. Poonkodi** and V. Anitha Water Quality Assessment of Udumalpet Taluk, South India using MNSF-

WQI and GIS Method, **ARPN Journal of Engineering and Applied Sciences**, 16, (21), 2253-2263, 2021.(Scopus)

27. Anitha V., Rajalakshmi S., **Poonkodi K.** Photocatalytic Activity of ZnO Doped CaAl - Layered Double Hydroxide Nano Composite for Supportable Solar Light - Driven Organic Pollutant Degradation, **Trends in Pharmaceuticals and Nanotechnology**, 4(3), 1-14, 2022.
28. Nagaveni Arumugham, Anusuya Mariappan, JayanthiEswaran,SanthanarajDaniel, RajakumarKanthapazham, **Poonkodi Kathirvel**, Nickel Ferrite-based Composites and its Photocatalytic Application – A review, **Journal of Hazardous Materials Advances**, 8, 100156, 2022.
29. M. KarthigaiPriya , **K. Poonkodi**, K. Vimaladevi , V. Anitha, R. Chitradevi , E. Jayanthi and M. Suganthi.Chemical profile and in-vitro biological activities of *Eupatorium adenophorum* SPRENG, **Rasayan Journal Chemistry**,Vol. 15 (4), 2366-2372, 2022. (Scopus).
30. K. Vimaladevi, M. Selladurai, **K. Poonkodi**, Velliangiri P, Raman M, Anandhan A. Chemical Profile and Biological Activities of Essential oil from *Artabotrys hexapetalus* (L.f.) Bhandari Grown in Southern Parts of Western Ghats. **Orient J Chem**, 38(6). 2022. (Web of Science).
31. **K. Poonkodi**, V. Anitha, R. Chitradevi , M. Suganthi, K. Vimaladevi, V. Prabhu, R. Mini, M. Anusuya. Adsorption of crystal violet dye on biomass from *Bauhinia tomentosa* seed pod powder: equilibrium and kinetic studies, **Indian Journal of Natural Sciences**, 75, 2022. (Web of Science)
32. R. Mini, V. Prabhu, **K. Poonkodi**, K.Vimaladevi, K. Revathi. Green synthesis of silver nano particles from *Scoparia dulcis* L. plant extract and its invitro acetylcholinesterase, antioxidant activity, **Rasayan Journal of Chemistry**, 16(1), 2023. (Scopus).
33. R. Rakkimuthu, A. Nishana, P.Sathiskumar, A.M. Anandakumar, D. Sowmya and **K.Poonkodi**, Green Synthesis of silver nanoparticles from *Chaetomorpha antennina* (Bory) Kutzing and its antibacterial activity, **Indian Journal of Natural Sciences**, 75, 2022, (Web of Science)

CONFERENCE PROCEEDINGS

1. **Poonkodi, K.** A review on decolourisation of dyes by photo degradation using various metal/GO/RGO Nanocomposites, National Conference on recent innovations in greener Nanotechnology, proceedings, NGM College, Pollachi. 2017.
2. **S. Saranya and Poonkodi, K.** Phytochemical and Pharmacological studies of *Bombaxceiba*Linn-An updated Review, National Seminar on Advanced materials for energy, environment and medicinal applications proceedings, NGM College, Pollachi. 2019.

3. **Poonkodi. K** and S. Sharmila Devi, GC-MS analysis and invitro Cytotoxicity potential of ethanol extract of *Azima tetraantha* Lam, National seminar on Advanced materials for energy, environment and medicinal applications proceedings, NGM College, Pollachi. **2019**.
4. M. KarthigaiPriya and **K. Poonkodi**, Phytochemical and Pharmacological Studies of *Adansonia digitata* an updated Review. National Seminar on Advanced materials for energy, environment and medicinal applications proceedings, NGM College, Pollachi. **2019**.
5. **K. Poonkodi**, K.S. Saranya, M. KarthigaiPriya, E. Kanimozhi B. Pravva, S. Aprose Banu. Essential Oil Composition and Its *In-Vitro* Anti Cancer Activity Of *Toddalia Asiatica* (L.) Lam Leaves. UGC Sponsored International Conference on Expanding Frontiers in Chemistry, organised by PG Department of Chemistry, Arul Anandar College, Madurai on 13th September 2019.
6. M. KarthigaiPriya, K. S. Saranya, P.U. Megha, E. Kanimozhi, B.Pravva, K.Pandidhurai, S. AproseBanu and **K. Poonkodi** Essential oil composition of *Cinnamomum Zeylanicum* Blume (L.) leaves and its biological activity in International Conference on 'Impact Of Innovations In Science And Technology For Societal Development, Kongu Nadu Arts and Science College, Coimbatore, 19 - 21, September 2019.
7. **K. Poonkodi** and Kanimozhi E, Recent Advances in electrochemical sensors-An updated review, TNSCST Sponsored "National seminar on recent trends in Chemistry", Arulmigu Palaniandavar College of Arts & Science, Palani on 23, 24th January 2020.
8. **Poonkodi K**, Pravva B, Pandidhurai K and Kanimozhi E, and AproseBanu K. Photophysical Properties of Anthracene Incorporated Silica Nanoparticles, TNSCST Sponsored "National Conference in Green Chemistry and its Applications" Sri Ramakrishna College Of Arts & Science, Coimbatore, 30th January 2020.
9. **Poonkodi K**, Athira. S, Akshaya, V. Sajana. M.S. And Subhaharini, Interesting morphology of La doped CuC_2O_4 and Na doped CuC_2O_4 synthesized via thermal decomposition TNSCST Sponsored "National Conference on Role of Phytochemicals and Advanced materials for cancer prevention and research, NGM College, Pollachi 26th and 27th february 2020.
10. Karthigaipriya, M. Saranya K.S, and **K. Poonkodi**. Phytochemical and pharmacological activities of *Eupatorium adenophorum* SPRENG- a review, TNSCST Sponsored "National Coference on Role of Phytochemicals and Advanced materials for cancer prevention and research, NGM College, Pollachi 26th and 27th february 2020

11. **Poonkodi, K.,**Sathiyabama, M.V. and Vijayakumar.S. Plagiarism-Pros and Cons, ICSSR sponsored National Conference on Digital Scholarship, Central university of Tamilnadu, Thiruvavur,12th and 13th March 2020.
12. **Poonkodi, K.,** and Sathiyabama, M.V. Awareness of social media among Rural area Librarians, ICSSR sponsored National Conference on Digital Scholarship, Central university of Tamil Nadu, Thiruvavur, 12th and 13th March 2020.
13. **K. Poonkodi,** and K. Pandidhurai, Studies on the adsorptive removal of malachite green dye by green activated carbon from *Bombax ceiba* (L.) Fruit hull. Two days national conference on Recent trends in Phytochemical, Nano and battery research in Chemistry, 12th and 13th March 2020, Karpagam University, Coimbatore.
14. **Poonkodi. K,** Synthesis of Silver Nanoparticles by Using essential oil of *Alpinia Calcarata* Leaves-An Ecofriendly Approach in International Virtual Conference on Advances in Nanoscience and Nanotechnology ICANN 2021, organized by Bharath Institute of Higher Education and Research Chennai, 5 –6 February2021.
15. **Anusuya. M, Nagaveni. A, Poonkodi. K, Jayanthi. E.** Synthesis of New Schiff Base containing Coumarin Moiety and their Spectral Characterization in International Interdisciplinary Virtual Conference On "Breakthroughs And Approaches In Contemporary Scientific Research organized by PSGR Krishnammal College for Women, Coimbatore from 17.02.21 to 19.02.21.
16. **K. Poonkodi and Jane Joshi,** Chemical Profile and Biological Activity of *Solanum Torvum* Fruits in International Interdisciplinary Virtual Conference On "Breakthroughs And Approaches In Contemporary Scientific Research organized by PSGR Krishnammal College for Women, Coimbatore from 17.02.21 to 19.02.21.
17. **K. Poonkodi,** Green Adsorptive removal of Malachite Green activated carbon prepared from *Capparis divericata* Linn fruit shell, organized by Mission Vidyalaya College of Arts and Science, Coimbatore -641 020 on 26/04/2021 and 27/04/2021.
18. **K. Poonkodi,** R. Chitradevi, V.Anitha, K. Priyanka and P. Karthika, S. Sreenisa, Equilibrium and Kinetic studies on Adsorptive Removal of Crystal Violet dye Solutions by Green Adsorbent from *Bauhenia tomentosa* Seed pod Powder in "International Conference on Emerging trends in Science and Technology" organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
19. V. Prabhu, M. Krishnaraji, R. Mini, **K. Poonkodi,** K. Vimaladevi, M. Anusuya, Chemical profiling of root of *Bacopa monnieri* and its anti cholineesterace activity in "International Conference on Emerging trends in Science and Technology" organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.

20. R. Mini, V. Prabhu, **K. Poonkodi**, K.Vimaladevi, M. Anusuya and N. Subasree. Chemical Composition of *Couroupita guianensis* (Aubl) Flowers and its in-vitro Acetyl cholinesterase Activity in “**International Conference on Emerging trends in Science and Technology**” organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
21. K. Vimaladevi, **K. Poonkodi**, M. Selladurai, V. Prabhu, R.Mini, M. Anusuya, R.S. Sivatharani. GC-MS Analysis and Pharmacological Activities of Methanol Extract of *Muntingia Calabura L.* Leaves, in “**International Conference on Emerging trends in Science and Technology**” organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
22. I. Mary Jency, J. Krishnaveni & **Poonkodi K.** Kinetic studies of Methyl violet dye removal using biomass, in “**International Conference on Emerging trends in Science and Technology**” organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
23. Sudha D, Mary Jency I, **Poonkodi K** and Dhanalakshmi H. Corrosion Inhibitory Action of Phenyl Indoloimidazole Derivative on Mild Steel in 1M HCl Medium. “**International Conference on Emerging trends in Science and Technology**” organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
24. Gowrisankar L, Dhanalakshmi H, **Poonkodi K** and Usha P. Extraction of Copper, Lead and Tin from the Waste Printed Circuit Boards by Anodic Dissolution Method. “**International Conference on Emerging trends in Science and Technology**” organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
25. V. Prabhu, R. Dhevayani, **K. Poonkodi**, R. Mini, K.Vimaladevi and M. Anusuya. Chemical profiling of petroleum ether extract of seeds of *Elaeocarpus granitus*. “**International Conference on Emerging trends in Science and Technology**” organized by Nallamuthu Gounder Mahalingam College, Pollachi on 27.10.2021.
26. M. Karthigaipriya, E. Jayanthi and **K. Poonkodi**, Phytochemical and Pharmacological Profile of *Ageratum Conyzoides L.* An Updated Review organized by Rathinam College of Arts & Science, Coimbatore on 7.1.2022.
27. **K. Poonkodi**, M. Karthigaipriya, K.Vimaladevi, V.Prabhu, R.Mini, V.Anitha, R.chitradevi, Preliminary phytochemical analysis and invitro anticancer and anti inflammatory activities of *A. heterophyllum* leaves, in Virtual International Conference on Multidisciplinary Aspects in Chemistry, organised by Ramakrishna Arts & Science College, Coimbatore from 20.01.2022 to 21.01.2022.
28. R. Mini, V. Prabhu, **K. Poonkodi**, K.Vimaladevi, M. Anusuya and B.Hafsa. GC-MS Analysis and phytochemical screening of *Justicia gendarussa* (Burm.f) leaves chloroform extract. , in Virtual International Conference on Multidisciplinary

Aspects in Chemistry, organised by Ramakrishna Arts & Science College, Coimbatore from 20.01.2022 to 21.01.2022.

29. **Poonkodi, K.**, Prabhu, V., Mini, R., Vimaladevi, K., Anusuya, M., Anitha, V and Chitradevi, R. Hydrothermal Synthesis of BiVO₄/RGO- BiVO₄ for Photocatalytic Performance under Visible Light towards Congo Red and Methylene Blue Dye Removal, Indo-Norwegian International Online Conference on “Functional mAterials for eneRgy, environment, And biomedical applicatioNs” “FARAON - 2022” during 02 - 04, February 2022.
30. K.Vimaladevi, **K. Poonkodi**, R. Mini, V. Prabhu, Phytochemical Constituents and *In vitro* Antioxidant Acitivity of Methanolic Extract of *Barleria Prionitis* Linn in International Conference on Smart Technologies and Applications - 2022, Ramco institute of technology, Rajapalayam on 11.03.2022 to 12.03.2022.
31. R.Mini, V.Prabhu.**K.Poonkodi**, K.Vimaladevi, M.Anusuya, Chemical Composition of *Malpighia glabra* (Linn.) Fruits Chloroform Extract and its in-vitro Acetylcholinesterase Activity, International Conference on Smart Technologies and Applications - 2022, Ramco institute of technology, Rajapalayam on 11.03.2022 to 12.03.2022.
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Book Chapters

1. Sudhanthra Indiavil Velan Puratchi
2. Maanium marrum payir Kaapidu
3. Neer Melanmai
4. Maasarra Kaarum valam kunraa valarrchium
5. Uzhavar vadivil pudhya vidiyal