

Name : Dr. N. P. Krishnan
Designation : Assistant Professor
Department : Chemistry
Date of Joining : 20.01.2016
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Educational Qualification: M.Sc., M.Phil. Ph.D.,

Degree	Subject	College / University & Place	Year Completed
B.Sc	Chemistry	Sourashtra College, Madurai	2002
M.Sc	Chemistry	School of Chemistry, Madurai Kamaraj University, Madurai	2006
M.Phil.,	Chemistry	Madurai Kamaraj University, Madurai	2007
Ph.D	Chemistry	Madurai Kamaraj University, Madurai	2015

ACADEMIC EXPERIENCE IN OTHER INSTITUTIONS:

Designation	Institution	Duration
Associate Professor	K.L.N.College of Engineering, Pottapalayam -630612.	March 2012 – December 2015
Assistant Professor		Feb 2008 - Feb 2012
Lecturer	K.L.N.Polytechnic College, Madurai.	Aug 2007 – Jan 2008.

Specialization in Teaching:

1. Physical Chemistry
 - Electrochemistry
 - Photochemistry
 - Gaseous state
 - Liquid state
2. Organic Chemistry
 - Biomolecules
 - Olefins
 - Organic Estimation

3. Inorganic Chemistry
Atomic structure and periodic properties
Metallurgy
Organometallic compounds
4. Applied Chemistry
5. Computer applications in Chemistry
6. Green and Nano chemistry

Specialisation in Research: Physical Chemistry

Research Interests:

1. Adsorption studies for metal / dye removal
2. Nano materials
3. Corrosion

Publications:

Books:

1. MKU - DDE - B.Sc., Chemistry III year Physical Chemistry study material – Five units.

Articles Published in International Journals:

1. Spectroscopic analysis of Crystal violet dye removal by *Sida rhombifolia*: Kinetic, Equilibrium, Thermodynamic studies N.P.Krishnan, M.Ilayaraja, R. Sayee Kannan * *World J. Pharm. Pharma. Chem.* 10 (2014) 713 -732.
2. Modeling Studies on adsorption of Pb(II) and Hg(II) by using *Acalypha indica* N.P.Krishnan,M.Ilayaraja ,R.Sayee Kannan * *Int.J.Applied chem.*1 (2013) 12-28.
3. Preparation and application of β -Cyclodextrin polymerized with phenol – formaldehyde as an adsorbent for the removal of Pb(II) and Hg(II) form aqueous media, N.P.Krishnan,M.Ilayaraja ,R.Sayee Kannan, *International Journal of current Research*, Vol.7,issue 7,17829-17838,July2015.

Conference / Seminar Presentations:

1. Participated in “UGC sponsored National Level Seminar on Expanding Frontiers in Chemistry (EFC-17)” held on 8th December 2017 organized by the PG Department of Chemistry, Arulanandar College, Karumathur-625514.
2. Presented a paper on the title “Novel Au-Co Alloy Nanoparticles Decorated g-C₃N₄ Nanosheets With Enhanced Photocatalytic Activity for Degradation of Organic Pollutants” in *International conference on Advanced Functional Materials for Energy, Environment and Bio medical applications (AFMEEB’2017)* held on 11th & 12th December 2017 organized by Department of Chemistry and Energy Science, Madurai Kamaraj University, Madurai -625021.
3. Participated in “State level *Workshop on Chromatography Techniques*” held on 23rd September 2017 organized by the Department of Chemistry, K.L.N. College of Engineering, Pottapalayam-630612.
4. Presented a paper on the title “A facile synthesis of Copper particle decorated on reduced Graphene oxide composites for enhanced detecting of Nitrite” in DST–SERB Sponsored *International conference on Functional Materials (ICFM’2017)* held on 7th & 8th September 2017 organized by Department of Chemistry, Thiagarajar College, Madurai-625009.
5. Presented a paper on the title “*Ecofriendly Biodegradation and Detoxification of Crystal violet textile dye using developed Microbial Nannochloropsis algae*” in *International conference on Chemistry and Materials (ICCM’2014)* held on 14th & 15th November 2014 organized by Department of Chemistry, Bharathidasan Institute of Technology (BIT) campus, Anna University, Tiruchirappalli -620 024.
6. Presented a paper on the title “*Spectroscopic analysis of Crystal violet dye removal by Sida rhombifolia: Kinetic, Equilibrium, Thermodynamic studies*” in *National Seminar*

on Modern Trends in Chemistry – MTC-II “ Newer Perspectives in Nano and Green Chemistry” held on 24th & 25th July 2014 organized by Department of Chemistry, PSNA College of Engineering and Technology, Dindigul -624 622.

7. Participated in the *National Lecture Workshop* on “ *Current Trends in Chemistry* ” held on 26th & 27th February 2014 organized by Department of Chemistry, Arul Anandar College, Karumathur -625 514.
8. Participated in the *National Seminar* on “*Innovative Green Technologies for Geologic Sequestration of Carbon dioxide (CO₂) and to protect atmosphere*” held on 7th & 8th January 2014 organized by Department of Chemical Engineering, Erode Sengunthar Engineering College, Erode-638 057.
9. Participated in the *National Seminar* on “*Modern Trends in Chemistry (MTC-2013)*” held on 17th & 18th December 2013 organized by Department of Chemistry, Bharathidasan Institute of Technology (BIT) campus, Anna University, Tiruchirappalli -620 024.
10. Presented a paper on the title “Algal Fuels - A Sustainable Energy for Future in *National conference* on “ *Recent development in Nano materials –2013 (RDNM – 2013)*” held on 11th April 2013 organized by Department of Chemistry, Mohamed Sathak Engineering College, Kilakarai -623 806.
11. Presented a paper on the title “*A new approach for Biofuel production from Microalgae*” in *International conference on Recent Advances in Textile and Electrochemical Sciences-2013(RATES-2013)* held on 21st to 23rd March 2013 organized by Department of Industrial Chemistry, Alagappa University, Karaikudi-630 003.
12. Presented a paper on the title “*Synthesis and Characterisation of Biofuel production from microalgae*” in *International conference on Biological Inorganic Chemistry*

(ICBIC-2013) held on 20th-22nd February 2013 organized by Department of Chemistry, Periyar University, Salem-630 611.

13. Participated in the *National Conference on “Recent Advances in Chemical Sciences-2013 (RACS-2013)”* held on 20th February 2013 organized by Department of Chemistry, University College of Engineering, Dindigul-624 622.
14. Participated in the *National Seminar on “Expanding Frontiers in Chemistry ”* held on 14th & 15th February 2013 organized by Department of Chemistry, Arul Anandar College, Karumathur -625 514.
15. Presented a paper on the title “*Synthesis and Characterisation of Biofuel production from microalgae*” in *National conference on New Vistas and Challenges in Chemistry, (NEVACC-2013)* held on 23rd to 25th January 2013 organized by Department of Chemistry, Sathyabama University, Chennai.
16. Presented a paper on the title “*Production and Evaluation study of Biodiesel from Jatropha and Algae*” in *International workshop and conference on “Renewable Energy and Climate change – Exploring Opportunities for Sustainable Development”* held on 5th-7th April 2012 organized by School of Energy, Environment and Natural Resources, Madurai Kamaraj University, Madurai-625 021.
17. Presented a paper on the title “*Optimisation studies on the removal of metal ions using new modified cation exchange resins*” in *National Seminar on Modern Trends in Chemistry – MTC-2012 “Green Chemistry”* held on 23rd&24th February 2012 organized by Department of Chemistry, PSNA College of Engineering and Technology, Dindigul -624 622.
18. Participated in the *National Conference on “ Emerging Trends in Chemistry ”* held on 14th & 15th February 2013 organized by Department of Chemistry, Bishop Heber College, Tiruchirappalli -620 017.

Attended Orientation/Refresher/FDP/Other Programme

1. Participated One day Faculty Development Programme on Management of Self- A Holistic approach organized by SCAAN & IQAC held on 29/08/2017 at Sourashtra College, Madurai
2. Participated One Day Faculty Development Programme on Redefined Role of Teachers held on 05/03/2016 organized by Sourashtra College, Madurai

Other activities / information / academic credentials you would like to mention:

1. Governing Council Member of K.L.N. College of Engineering for the year 2015.
2. Additional Examiner in the Board of Chemistry - Major & Ancillary - Madurai Kamaraj University, Madurai ,Kalasalingam University & Mother Teresa University
3. Examiner - Practical Examinations in various autonomous colleges and Madurai Kamaraj University, Madurai