

CURRICULUM VITAE



Name : **Dr. L. RAKESH SHARMA**

Educational Qualification : M.Sc., M.Phil., M.Ed., M.Phil., Ph.D. (Che.), PGDCA.,

Designation : Head and Assistant Professor of Chemistry,

Official Address : Department of Chemistry,
Loyola College of Arts & Science,
Mettala, Rasipuram Taluk,
Namakkal, Tamilnadu, India,
Pin Code: 636 202

E-mail : 007chemistry@gmail.com

Date of Birth : 12-06-1985

Sex : Male

Mobile Number : +91-9751325596

Area of Research : Coordination Chemistry.

Teaching Experience : Working as Head and Assistant Professor of Department of Chemistry at Loyola College of Arts and Science, Mettala, Rasipuram Taluk, Namakkal District, Tamil Nadu-India from 23rd June 2016 to till date.

Research Experience : Worked as a St. Joseph's College, under Bharathidasan University, Trichy, from 10th October 2012 to 17th May 2016.

EDUCATIONAL QUALIFICATION:

COURSE	COLLEGE / UNIVERSITY	DURATION	% OF MARKS
Ph.D (Chemistry)	St. Joseph's College Tiruchirappalli, Bharathidasan University,	2012 – 2016	Highly Commented (April 2018)
M.Phil (Chemistry)	St. Joseph's College, Tiruchirappalli Bharathidasan University.	2010 – 2011	71
M.Sc (Chemistry)	J.J College of Arts and Science, Pudukkottai, Bharathidasan University.	2007 – 2009	67
B.Sc (Chemistry)	H.H The Rajah's College Pudukkottai, Bharathidasan University.	2003 – 2006	64

PROFESSIONAL QUALIFICATION:

COURSE	COLLEGE / UNIVERSITY	DURATION	% OF MARKS
M.Phil (Education)	Prist University, Thanjavur.	2011 – 2012	71
M.Ed	St .Xavier's College of Education Palayamkottai. Tamil Nadu Teacher Education University-Chennai	2009 – 2010	70
B.Ed	J.J College of Education Pudukkottai. Bharathidasan University.	2006 – 2007	72

TECHNICAL QUALIFICATION:

COURSE	INSTITUTION / UNIVERSITY	DURATION	% OF MARKS
PGDCA	Bharathidasan University.	2008 - 2009	73
DCA	Mass Computer	6 Months	First Class
DTP	Mass Computer	6 Months	First Class
TALLY	Mass Computer	6 Months	First Class

ACADEMIC EXPERIENCE:

NAME OF THE POSITION	COLLEGE / UNIVERSITY	DURATION
Head of the Department of Chemistry	Loyola College of Arts and Science, Mettala	23 June 2016 to till date
Coordinator of Environmental Club	Loyola College of Arts and Science, Mettala	23 June 2016 to till date

BOOK PUBLISHED:

S. No.	TITLE OF THE BOOK	PUBLISHER	YEAR	ISBN No.
1	Easy to learn English Grammar through Tamil	Ananya Publication	2015	-
2	Organic qualitative Analysis	Mayas Publication	2018	9789387756548
3	Semi-Micro Qualitative Inorganic Analysis	Mayas Publication	2018	9789387756588
4	Volumetric Analysis and Inorganic Preparations	Mayas Publication	2018	9789387756687
5	Gravimetric Estimations, Organic Qualitative Analysis and Organic Preparations	Mayas Publication	2018	9789387756663
6	Volumetric Analysis and Organic Analysis	Mayas Publication	2018	9789387756694
7	Food Chemistry	Mayas Publication	2020	9789387756700
8	Agricultural Chemistry	Mayas Publication	2020	-
9	Pharmaceutical Chemistry	Mayas Publication	2020	-
10	Dye stuffs and Treatment of effluents	New Century	2020	-
11	Industrial Chemistry	New Century	2020	-
12	Polymer Chemistry	New Century	2020	-

AWARD RECEIVED:

- I received a **BEST TEACHER AWARD** in the academic year 2018-2019 at Loyola College of Arts and Science, Mettala, Namakkal.

PROGRAMME ORGANIZED:

- Convener of state level workshop on **SEMI-MICRO ANALYSIS** at Loyola College of Arts and Science, Mettala, Namakkal on 9th January 2019.
- Convener of **SCIENCE EXHIBITION** at Loyola College of Arts and Science, Mettala, Namakkal on 5th October 2018.
- Coordinator of **ECO-CLUB AWARENESS PROGRAMME** at Loyola College of Arts and Science, Mettala, Namakkal on 16th August 2019.
- Coordinator of **SCIENCE EXHIBITION** at Loyola College of Arts and Science, Mettala, Namakkal on 30th August 2019.

OTHER DISTINCTIONS:

- Serving as a member of the Vineyard Trust in Thanjavour, since 10th April 2015.

COMPUTER SKILLS:

- PGDCA
- MS-Office Packages
- OriginPro 8
- ChemSketch
- ChemDraw 8.0

INSTRUMENTATION SKILLS:

- Glow Box (MBRAUN) and Ball Milling (FRITSCH).
- X-Ray Diffraction Technique - To analyze the crystal compounds, Powder samples and indexing through JCPDS data. (BRUKER 08).
- High Pressure Liquid Chromatography (HPLC) (LC-20AD) SHIMADZU - JAPAN.
- AAS - Atomic Absorption Spectroscopy - To analyze the elemental composition of the compounds.
- Gel Permeation Chromatography (GPC) SHIMADZU - JAPAN.
- Cyclic Voltammetry (CV).
- SEM/EDS - Scanning Electron Microscopy/Energy Dispersive Spectroscopy - To analyze the morphology and elemental composition of compounds.
- FT-IR - Fourier Transform Infra-Red Spectroscopy - To analyze the functional group of powder samples. Chemical Oxygen Demand Analysis (COD).
- PC based double beam UV-VIS Spectrophotometer (Systronics 2202).
- Elico LI 120 Electronic pH Meter.
- Systronics Electronic Photo Colorimeter 112.

LIST OF PUBLICATIONS:

1. Published a paper entitled "***Synthesis and Characterization of [16]-Membered Dioxo Diaza Naphthaldehyde based Macrocyclic Ligand and its Complexes of Co(III), Ni(II) and Cu(II) Perchlorate Ions***" International Journal Pharmaceutical Sciences and Research, *IJPSR*, 2015; Vol. 6(11): 4895-4903. E-ISSN: 0975-8232; P-ISSN: 2320-5148, 2015
2. Published a paper entitled "***Synthesis, Characterization and Electrochemical Investigation of novel 17- Membered Dioxadiaza Naphthaldehyde based Macrocyclic Ligand and its Complexes of Co (III), Ni (II) and Cu (II) Perchlorate Ions***" International Journal of Pharmacy and Pharmaceutical Sciences, ISSN- 0975-1491, Vol 7, Issue 11, 2015.
3. Published a paper entitled "***Synthesis and Characterization of Resorcinol based Schiff Base Ligand and Its Complexes of Co(III), Ni(II), Cu(II) and Zn(II) Metal Ions***" International Journal of ChemTech Research, ISSN: 0974-4290, ISSN(Online):2455-9555, Vol.10 No.15, pp 247-254, 2017.
4. Published a paper entitled "***Synthesis, Characterization And Electrochemical Investigation of [16]-Membered Dioxo Diaza Naphthaldehyde Based Macrocyclic Ligand and its Complexes of Co(III), Ni(II), Cu(II) and Zn(II) Perchlorate Ions***" International Journal of ChemTech Research, ISSN: 0974-4290, ISSN(Online):2455-9555, Vol.11 No.01, pp 216-227, 2018
5. Published a paper entitled "***Synthesis Characterization and Electrochemical investigation of [17] membered Naphthaldehyde based Macrocyclic ligand and its perchlorate ions***" in *International Journal of Research and Analytical Reviews* (UGC Approved).
6. Published a paper entitled "***Synthesis Characterization and Electrochemical investigation of [16] membered Naphthaldehyde based Macrocyclic ligand and its perchlorate ions***" in *International Journal of ChemTech Research* (UGC Approved).
7. Published a paper entitled "***Synthesis Spectral Characterization and Antimicrobial Studies of Co(III), Ni(II), Cu(II) and Zn(II) Metal Complexes of Schiff base derived from 4,6-Diacetyl Resorcinol and 4-Chloro-2-Amino Phenol***" in *Journal of Emerging Technologies and Innovative Research* (UGC Approved).

8. Published a paper entitled “*Synthesis, Spectral Characterization and Antimicrobial of Ni(II) and Cu(II) Schiff base Complexes*” in *Journal of Emerging Technologies and Innovative Research* (UGC Approved).

SPECIAL GUEST LECTURE DELIVERED:

1. Special lecture on “CHARACTERISTICS OF A GOOD TEACHER” organized by M.R.M College of Education, Pudukkottai on 30th July-2018.

ATTENDED FACULTY TRAINING PROGRAMME:

1. Attended *Faculty Development Programme - Chemistry* which was conducted by *Periyar University* at Bharathiyar Arts & Science College for Women, Deviyakurichi, on 8th & 9th November 2019.

PAPER PRESENTED NATIONAL CONFERENCE:

1. Presented a paper entitled “*Synthesis Characterization and Electrochemical investigation of [17] membered Naphthaldehyde based Macrocyclic ligand and its perchlorate ions*” in a national conference held at Sun Arts and Science College, Tiruvannamalai on 1st February 2019.
2. Presented a paper entitled “*Synthesis Characterization and Electrochemical investigation of [16] membered Naphthaldehyde based Macrocyclic ligand and its perchlorate ions*” in an international conference held at RSP Conference Hub, Coimbatore on 10th and 11th October 2019.

PARTICIPATED IN SEMINARS / WORKSHOPS:

- 1) “*International Corrosion Awareness Day- 2011*” Organized by CSIR-CECRI Karaikudi. Tamil Nadu - India on 25th April 2011.
- 2) National Workshop on “*Recent Trends in Electrochemistry*” Organized by CSIR-CECRI Karaikudi. Tamil Nadu - India on 28th April 2011.
- 3) National workshop on “*Green Techniques in Chemistry Laboratory Experiments*” Organized by Department Chemistry, Holy Cross College, Tiruchirappalli, Tamil Nadu-India on 9th January 2013.
- 4) “*Electrochemistry - Energy and Environment Applications*” short term course Organized by Department of Chemistry, National Institute of Technology, Tiruchirappalli, Tamil Nadu - India. During 11th and 12th February 2013.
- 5) National workshop on “*Modern Trends in Chemistry*” Organized by Postgraduate and Research Department of Chemistry Vivekananda College Tiruvedakam West, Madurai, Tamil Nadu - India. During 22nd and 23rd February 2013.

- 6) Science Academies Lecture Workshop on *“Advances in Chemistry”* Organized by Department of Chemistry, Gandhigram Rural Institute, Deemed University, Tamil Nadu - India. During 6th and 7th September, 2013.
- 7) International workshop on *“Frontier Areas in Chemical Technologies - 2014”* Organized by Department of Industrial Chemistry, School of Chemical Science, Alagappa University, Karaikudi, Tamil Nadu - India. During 21st and 22nd February, 2014.
- 8) *“Recent Advances in Material Chemistry”* organized by Department of chemistry Bharathidasan Institute of Technology Anna University, Tiruchirappalli, Tamil Nadu- India. During 7th and 8th March, 2014.
- 9) *“Electro Analytical Methods in Practical Chemistry and Industrial applications of Electrochemistry”*, Department of chemistry, National Institute of Technology, Tiruchirappalli, TamilNadu, India. During 10th to 12th, March, 2014.
- 10) National Level workshop on *“Innovations in Water Management in Educational Institutions”* on 24th and 25th November 2016 at Loyola College Chennai.
- 11) *“Expanding Frontiers in Chemistry”*, Department of chemistry, Arul Anandar College Karumathur, TamilNadu, on 8th December, 2014.
- 12) Participated in workshop on *“Green Approach to Chemistry Experiments”* organized by “Department of Chemistry Loyola College - Chennai, during august 9th -11th, 2018.

PERSONAL PROFILE:

Name	: Rakesh Sharma. L
Father's Name	: Mr. A. Lazar
Date of Birth	: 12-06-1985
Sex	: Male
Marital Status	: Married
Nationality	: Indian
State	: Tamil Nadu
Language known	: Tamil (Mother Tongue) & English
Address	: Paruthivayal, Thalanur (Post), Avudaiyarkovil (Taluk), Pudukkottai (District), Tamil Nadu, India, Pin Code - 614 621.
E-mail-ID	: 007chemistry@gmail.com
Mobile Number	: +91-9751325596

-----*****-----