

**Dr. M.Karpakavalli M.Pharm., Ph.D.,**  
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Prof. & Head, Dept. of Pharmaceutical Chemistry, Karpagam COP, Cbe-32, TN, India

- **Publications** : 54
- **Patents** : 01 (Patent Journal Published and is now under examination)
- **H index** : 07
- **i-10 Index** : 06
- **Citations** :188
- **Orcid I.D. No.** : 0000-0002-1907-2536
- **Web of Science I.D. No.** : ACV-0489-2022
- **Publons I.D. No.** : CAF-8142-2022
- **Research proposal communicated** : 22
- **No. of Recd. Funded Grants** : DST-SERB, New Delhi, India  
TNSCST, Tamil Nadu, India
- **Books/Book Chapters Published** : 06
- **MoU arrangements** : 03
- **NPTEL Courses** : 22
- **Post-doctoral experience** : 11 years
- **Industrial Experience** : 1 year
- **Academic Teaching Experience** : 21 years
- **UG Projects Guided** :15
- **PG Projects Guided** : 06
- **Recognized Inspector** of PCI, New Delhi and The TN DR MGR Medical University, Chennai, Tamil Nadu
- **Recognized Examiner** of the TN DR MGR Medical University, Chennai, Tamil Nadu and other equivalent Universities for Pharmacy Curriculum
- **NPTEL Translator (Tran 5612)** to do translation process of NPTEL lectures
- **Member of Advisory Panel** of an academic excelling Dfree Novelish Association, AP
- **As a Guest Editor to IJHC, Connect Journals, Vol 34, Issue 04, 2024**
- **Editorial Board Member**-Journal of Ethno-pharmacology & Toxicology; Journal of Medical Surgical and Allied Sciences; Innovative Publications (P) Ltd.,
- **Reviewer** for a few scientific journals

**Honors/Awards received:**

- Rewarded with “**Best Academician Award**” by **AEDS & NABARD** Govt sectors, North India in the month of August 2021.
- Rewarded with “**Distinguished Alumni Award**” by my **UG Almamater, RVS COP**, Sular, in March 2025
- Rewarded with “**NPTEL STAR-Enthusiastic Award**” in October 2022; “**NPTEL STAR-Believer Award**” in October 2023; “**NPTEL STAR-Motivated Learner Award**” in October 2023; “**NPTEL STAR-Discipline Star Award**” in October 2023; and “**NPTEL STAR-Believer Award**” in April 2024; “**NPTEL STAR-**

*Enthusiastic Award*’ in Jul-Dec 2024 and “*NPTEL STAR-Evangelist Award*” in Jul-Dec 2024.

- Rewarded with “*Women Researcher Award*” by INSO, Pondicherry, India in the month of April 2022.
- Rewarded with “*Bharat Gaurav Puraskar*” by KTK Outstanding Achievers & Education Foundation and Helium Production, in the month of April 2022.
- Rewarded with *PhD Guideship* for doctoral students from *The Tamil Nadu Dr. MGR Medical University*, Chennai since from the year 2019.
- Obtained the *AICTE-QIP scholarship* for two years (2004-2006) to pursue the PG degree in pharmaceutical chemistry discipline.

### Other Credits

- Well known about *the NAAC & NBA Accreditation practices*
- **Professional Affiliations:** State Pharmacy Council, APTI, IPA, IPGA, Agro-Environmental Society
- Department Head : Since from 2010
- NPW Coordinator : 2017 & 2020
- Academic Coordinator : AY 2020-21
- College Alumni Coordinator : Since from 2011
- College NPTEL Coordinator : Since from 2022
- **Commercial works done** for HPTLC i) qualitative analysis ii) method validation and iii) isolation of phyto-constituents; HPLC qualitative analysis ii) method development & validation iii) Estimation iv) Cmax & Tmax study v) Reaction conversion and vi) Impurity estimation.

### ➤ Speaker, Lead Lecturing, Co-Chairing & e-Poster & Oral Evaluator:

S. N.	Date of the Event	Details of the Event	Role of Responsibility
01.	27 <sup>th</sup> February 2025	In an <i>International</i> conference organized by Dept. of Pharmacology, Karpagam College of Pharmacy, Tamil Nadu	As a <i>Chairperson (Session Chair)</i> to the scientific session on “Significance of Zebra fish model in the biological activity prediction”
02.	04 <sup>th</sup> September, 2024	In a <i>DST-SERB</i> co-sponsored <i>International conference</i> organized by Dept. of Pharmaceutical Chemistry, Karpagam college of Pharmacy, Tamil Nadu	As a <i>resource person</i> has delivered a scientific talk on “Novel Synthetic Methodologies in Resolving the Scale up of Drug Candidates”
03.	20 <sup>th</sup> August 2024	In a <i>One-day Workshop</i> Co-sponsored by <i>DBT STAR</i> , organized by Thassim Beevi Abdul Kader College for Women, Ramnad Dt, Tamil Nadu	As a <i>resource person</i> has delivered a scientific talk on “Nutritional Pharmacology: Integrating Food & Medicine for Optimal Health”
04.	26 <sup>th</sup> April 2024	In a national conference organized by <i>Sree Abirami COP</i> , Coimbatore	As a <i>resource person</i> has delivered a scientific talk on “Application of the latest and potent analytical techniques in chemical profiling of natural products”
05.	09 <sup>th</sup> March	On behalf of <i>Quiz club of our college</i> ,	As a <i>motivational speaker</i> has delivered talk

	2024	<b>KCP</b>	on “Limelight of Professional ethics along with an extensive reading habit”
06.	25 <sup>th</sup> October 2023	Organized by Women Empowerment Cell, <b>PSGiTech, Coimbatore</b>	<b>As a Motivating Speaker</b> , had presented a speech on “Empower Young Women: Mental & Health Well-being”
07.	26 <sup>th</sup> September – 01 <sup>st</sup> October 2021	In a <b>STTP programme</b> of “Recent Advances in Spectrophotometric analysis of Tablets & Capsules” organized by <b>Venkateswara College of Pharmacy, Chittoor, Andhra Pradesh</b>	<b>As a Scientific Session’s Resource Person</b> , had presented a speech on “Advances in Spectrophotometric Analysis”
08.	October 2020	“Transformation of Global Health” organized by <b>KCP, Coimbatore</b>	<b>As an evaluator</b> of an international conference e-conference Oral presentation
09.	24 <sup>th</sup> July 2020	In a National Webinar Series 2020 organized by <b>Dhanvanthri College of Pharmaceutical Sciences, Mahabubnagar, Telangana</b> , Affiliated to Palamuru University	<b>As a Scientific Session’s Resource Person</b> has presented a speech on “Molecular Modelling- A Popular Tool in Contemporary Drug Design”
10.	24 <sup>th</sup> , January 2019	“Recent trends in Mycology & Mycotechnology” at <b>Mother Teresa Women’s University, Kodaikanal</b> , Co- sponsored by TNCST & TNHER	<b>Lead Lecturer</b> of the session “Panoptic Implication of Computational Oss in the eradication of Virulent factors and or from MDR/PDR/XDR type Microbial Contagions” in the International conference
11.	25 <sup>th</sup> , January 2019	“Recent trends in Mycology & Mycotechnology” at <b>Mother Teresa Women’s University, Kodaikanal</b> , Co- sponsored by TNCST & TNHER	<b>Co-Chairperson</b> of a Bioinformatics session in the International conference
12.	20 <sup>th</sup> – 22 <sup>nd</sup> December 2019	<b>Indian Pharmaceutical Congress (IPC) conference</b> held at SRMC, Chennai	<b>As an e-Poster evaluator</b>

### Seminars / Workshops / Quality Improvement Programmes -Participation

Attended many Q.I.P programmes, Seminars, Workshops, Webinars, e-FDP, e-conferences, e-quizzes, e-workshops.

### Administrative Skill

Have led the **Department of Pharmaceutical Chemistry as a Head since from the year 2014**, with Associate professor, Assistant professor & non-teaching lab technician, attenders and enriched the department development activities with

- ✓ **Two fuming cup board installation** (around 2 lakhs worth),
- ✓ **Millipore Water purifier** (Shimadzu, around 6 lakhs)
- ✓ **Purchase of UV-Visible Spectrophotometer** (Shimadzu, around 6 lakhs worth),
- ✓ **Many analytical instruments (for the first time and in multiples, in due course, every year till 2022),**
- ✓ **Online stock registering of dept. chemicals/liquids/glassware & misc. items with due tally** at regular intervals,

- ✓ Have implemented an easy study system for slow learners viz., ***Question bank collection*** (from past 10 years University exam question papers); ***2M Q & A collection & Lab manuals*** for all Pharmaceutical Chemistry (11) subjects & analytical (05) subjects;
- ✓ ***Motivated the dept. faculties*** to teach the students with enough teaching aids viz., ***boards class for chemistry structures, synthesis, PPTs in LED*** for MOA, ADR, SAR etc., ***Video classes*** for running pictures; ***Smart board classes*** for overall chemistry concepts

### **Organizational Skill**

Have ***worked as a coordinator for many curricular & co-curricular Programmes*** in our college since from the past 16 years for conducting

- ✓ Seminars /Webinars
- ✓ National Pharmacy Week Celebration
- ✓ Intercollegiate e-quiz competition in State Level
- ✓ Intercollegiate Sports event
- ✓ Editor for a college Manual & a Newsletter

### **As a Reviewer & Editorial member**

Since from the ***past fifteen years, reviewing the research articles*** for a few national and international journals.

### **Fields of Interest**

Synthetic, Medicinal, Analytical, Phyto-chemical, Computational- and Pharmaceutical research works with a basis of Chemistry

### **Techniques known**

- ✓ Organic synthesis, Spectral characterization, Interpretation of I.R, <sup>1</sup>NMR, <sup>13</sup>CNMR and Mass, Instrumental technique, Phytochemical extraction, Phytochemical analysis, Phytochemical isolation, Phytochemical standardization (a few methods), Molecular modelling software

### **Completion of NPTEL Courses, Proctored exams (from 2021 to till date)**

1. Medicinal Chemistry, 2. Analytical chemistry, 3. Biological Inorganic chemistry, 4. Research Methodology in Natural sciences, 5. Experimental biochemistry, 6. Organometallic chemistry, 7. Reagents in Organic synthesis, 8. Biophysical Chemistry, 9. Industrial Inorganic Chemistry, 10. Chemical Process Safety and 11. Business Analytics & Data Mining Using R Part II 12. Classics in Total Synthesis, 13. Stereochemistry 14. Mechanisms in Organic Chemistry 15. Organic Chemistry in Biology & Drug Development 16. Environmental Chemistry 17. Chemistry of main group elements 18. Enhancing Soft skills & Team Management 19. Project management 20. Leadership & Team Effectiveness and 21. Intellectual Rights for Engineering and biologists

Now, ***as recognized as a NPTEL STAR Faculty and as a NPTEL Translation Editor by NPTEL***

**Educational Qualifications:**

Degree	Year of Passing	University	Discipline
PhD	2014	Karpagam Academy of Higher Education	Pharmaceutical Chemistry
M.Pharm	2005	The TN Dr. MGR Medical University	Pharmaceutical Chemistry
B.Pharm	1997	The TN Dr. MGR Medical University	Pharmacy