

1. Name of the Faculty : Dr. S. Satheeshkumar
2. Qualification : M. Pharm., Ph.D.
3. Faculty ERP ID : P0051
4. Designation : Professor
5. Department : Pharmaceutical Chemistry
6. Date of joining : 25-01-2021
7. Official E-Mail ID : satheeshkumar.s@kcp.edu.in



Work Experience:

S. No.	Professional	Subject	Institutions	University	Month & Year
1.	Professor	Pharmaceutical Chemistry	Karpagam College of Pharmacy, Coimbatore	The Tamil Nadu Dr. M.G.R. Medical University, Chennai	Jan 2024 to Till date
2.	Associate Professor	Pharmaceutical Chemistry	Karpagam College of Pharmacy, Coimbatore	The Tamil Nadu Dr. M.G.R. Medical University, Chennai	Jan 2021 to Dec 2023

S. No.	Designation	Organization	Month & Year
1.	Scientist	Dr. Reddy's Laboratories (Integrated Product Development Organization), Hyderabad	Oct 2018 to Dec 2020

Educational Details:

S. No.	Degree	Subject	College/School	University	Month & Year of Passing
1.	Ph.D	Pharmaceutical Chemistry	Indian Institute of Technology (Banaras Hindu University) Varanasi	Indian Institute of Technology (Banaras Hindu University) Varanasi	August & 2018
2.	M. Pharm	Pharmaceutical Chemistry	College of Pharmacy, Madras Medical College, Chennai	The Tamil Nadu Dr. M.G.R. Medical University, Chennai	April & 2013
3.	B. Pharm	Pharmacy	Swamy Vivekananda college of Pharmacy, Tiruchengode	The Tamil Nadu Dr. M.G.R. Medical University, Chennai	August & 2010

8. Teaching Experience (in years) : 9 years
9. Industrial Experience (in years) : 2.3 years
10. No. of Publications & Books/Book Chapters : Publications in Scopus: 12; Book Chapters: 2
11. No. of Papers Presented in Conferences : International: 04; National: 05
12. No. of Conference/ Seminar/ FDP/ Workshop attended : 17
13. No. of Research Grants / Projects received : Nil
14. Patents : Published: Nil; Granted: Nil
15. No. of Consultancy services offered : Nil

Achievements/ Awards/ Fellowship/ Scholarship

1. **Teaching Assistantship** from Indian Institute of Technology (Banaras Hindu University), Varanasi funded by Ministry of Human Resource & Development, Govt. of India
2. **Meritorious Post-Graduation Scholarship** from College of Pharmacy, Madras Medical College, Chennai funded by Govt. of Tamil Nadu
3. Graduate Pharmacy Aptitude Test (GPAT)-2013: **All India Rank-849**

List of Publications

1. **Satheeshkumar Sellamuthu**, Mohan Sellapan, C. S. Kandasamy, Dileep Kumar, Kavitha Kasimayan, and Sasikala Manickavasagam. Analog-based Design and Development of Novel Molecules as Anti-tubercular Agents. *Indian Journal of Pharmaceutical Education and Research*, 2023, 57(1s), S105-S113
2. Bhargavi Kulkarni, Dileep Kumar, Natália Cruz-Martins, **Satheeshkumar Sellamuthu**. Role of TREM2 in Alzheimer's Disease: A Long Road Ahead. *Molecular Neurobiology*, 2021, 58: 5239-5252.
3. Balavigneswaran CK, Kumar G, Vignesh Kumar C, **Satheeshkumar Sellamuthu**, Kasiviswanathan U, Ray B, Muthuvijayan V, Mahto SK, Misra N. Gelatin grafted poly(D,L-lactide) as an inhibitor of protein aggregation: An in vitro case study. *Biopolymers*. 2020, 111(8), e23383.
4. **Satheeshkumar Sellamuthu**, Ashok Kumar, Gopal Nath and Sushil Kumar Singh. Design, Synthesis and Biological profiling of Novel Phenothiazine derivatives as Potent Antitubercular Agents. *Anti-Infective Agents*, 2019, 17 (1), 50-65.
5. **Satheeshkumar Sellamuthu**, Ashok Kumar, and Sushil Kumar Singh. *De novo* drug design, pharmacophore search and molecular docking for inhibitors to treat TB and HIV co-infection. *International Journal of Computational Biology and Drug Design*, 2019, 12 (3), 230-250.
6. **Satheeshkumar Sellamuthu**, Mohammad Faizan Bhat, Ashok Kumar, Gopal Nath and Sushil Kumar Singh. Design, Synthesis, and Biological Evaluation of Carbazole Derivatives as Antitubercular and Antibacterial Agents. *Current Bioactive Compounds*, 2019, 15 (1), 83-97.
7. **Satheeshkumar Sellamuthu**, Mohammad Faizan Bhat, Ashok Kumar, and Sushil Kumar Singh. Phenothiazine: A better Scaffold against Tuberculosis. *Mini-Reviews in Medicinal Chemistry*, 2018, 18 (17), 1442-1451.
8. **Satheeshkumar Sellamuthu**, Gopichand Gutti, Devendra Kumar, and Sushil Kumar Singh. Carbazole: A Potent Scaffold for Antitubercular Drugs. *Mini-reviews in Organic Chemistry*, 2018, 15(6), 498- 507.
9. **Satheeshkumar Sellamuthu**, Amer H. Asseri, Hojjat Ghasemi Goojani, Gopal Nath, and Sushil Kumar Singh. Preliminary studies on ligand-based design and evaluation of new mycobacterial ATP synthase inhibitors. *Current Drug Therapy*, 2018, 13 (1), 56-73.
10. **Satheeshkumar Sellamuthu**, Meenakshi Singh, Ashok Kumar, and Sushil Kumar Singh. Type-II NADH Dehydrogenase (NDH-2): A promising therapeutic target for antitubercular and antibacterial drug discovery. *Expert Opinion on Therapeutic Targets*, 2017, 21(6), 559-570.
11. Meenakshi Singh, **Satheeshkumar Sellamuthu**, Sudhir Kumar Singh, Mayank Gangwar, Gopal Nath, and Sushil Kumar Singh. Antimicrobial potency and Molecular Mechanism of Benzothiazole Schiff Base Hybrids. *Saudi Journal of Medicinal and Pharmaceutical Sciences*. 2017;3:1360-1369
12. Meenakshi Singh, Sudhir Kumar Singh, Mayank Gangwar, **Satheeshkumar Sellamuthu**, Gopal Nath, and Sushil Kumar Singh. Design, Synthesis and Mode of Action of Some New 2-(4' aminophenyl) benzothiazole Derivatives as Potent Antimicrobial Agents. *Letters in Drug Design & Discovery*, 2016, 13(5): 429-437.

List of Book Chapters

1. Gadde Shareena, Dileep Kumar, **Satheesh Kumar Sellamuthu**, Chapter 4-The TREM2 Receptor Puzzle in Alzheimer's Disease: Assembling the Pieces: Molecular Targets and Therapeutic Interventions Against Neurodegenerative Diseases, 2025, ISBN 9781003506317, CRC Press, Taylor & Francis Group.
2. Gadde Shareena, Dileep Kumar, **Satheesh Kumar Sellamuthu**, Chapter 6-The NMDA receptor hypothesis in Alzheimer's disease: Unraveling the Mechanisms: Molecular Targets and Therapeutic Interventions Against Neurodegenerative Diseases, 2025, ISBN 9781003506317, CRC Press, Taylor & Francis Group.

List of Papers Presented in Conferences

1. Tamizharasu, **Satheeshkumar Sellamuthu**, Mohan Sellapan, Kandasamy CS, Dileep Kumar. Design & Development of Tetrahydrocarbazole derivatives as Antitubercular agents. National Seminar on Artificial intelligence in Drug Discovery and Healthcare, Rathinam College of Pharmacy, 15th March 2025.
2. Swathi Veerabathiran, **Satheeshkumar Sellamuthu**, Kandasamy CS, Mohan Sellapan. Rational Design and Development of Novel Linezolid based Antitubercular Agents. 3rd National Seminar on “Pioneering Pharmacy’s Future: Fostering Industry-Academia Collaboration through Technological Innovations for Sustainable Healthcare”, organized by Dhanalakshmi Srinivasan University, Perambalur and Association of Pharmaceutical Teachers of India (APTI-TN), 22nd February 2025.
3. Sree Priyadharshini Ragupathi, **Satheeshkumar Sellamuthu**, Mohan Sellapan, Kandasamy CS, Dileep Kumar, Tetrahydrocarbazole Derivatives as Antitubercular Agents: A Rational Drug Discovery Approach. Two Days National Conference on Neuropharmacology & Neurogenetics (NPNG 2025), Organized by Department of Pharmaceutical Chemistry, JSS College of Pharmacy, Ooty 7-8th February 2025
4. Michel Ashik Moses, **Satheeshkumar Sellamuthu**, Mohan Sellapan, Molecular Design and Synthesis of Novel Linezolid based Anti-tubercular Agents. International Conference on Advancements in Global Pharma Arena. Holy Grace Academy of Pharmacy, Mala, Thrissur, 9th January 2025.
5. Rajkumar Dhandapani, Arumugam Nagarajan, **Satheeshkumar Sellamuthu**, Mohan Sellapan. Design and Computational Evaluation of Dihydropyrimidinone –fused Andrographolide Hybrid as Anti-tubercular Agent, International Conference on Medicinal Chemistry in Integrated Drug Discovery, organized by Department of Pharmaceutical Chemistry, Karpagam College of Pharmacy, Coimbatore, 3-4th September, 2024.
6. Navaneetha Krishnan, **Satheeshkumar Sellamuthu**. A Review on Pharmacological insight of Omaveloxolone: The first treatment for Friedreich’s Ataxia, National Seminar on Preclinical to Clinical approach in Neuropharmacology-Global Concern, Karpagam College of Pharmacy, 16-17th March 2023.
7. **Satheeshkumar Sellamuthu**, Mohan Sellapan, C. S. Kandasamy, Dileep Kumar, Kavitha Kasimayan, and Sasikala Manickavasagam. Analog-based Design and Development of Novel Molecules as anti-tubercular agents, 25th APTICON 2022, JSS Academy of Higher Education and Research, 2-4th September, 2022.
8. **Satheeshkumar Sellamuthu**, Gregory M. Cook, Gopal Nath and Sushil Kumar Singh. Targeting NADH dehydrogenase-An alternative target to address bedaquiline resistance. 2nd International Conference on Regulatory Network Architecture in Bacteria, SASTRA University, Thanjavur, India 16-18th December, 2016.
9. **Satheeshkumar Sellamuthu** & Sushil K. Singh. Pharmacophore search of the ZINC database and molecular docking: In quest for anti-tubercular lead molecules. 21st ISCB International Conference on Current Trends in Drug Discovery and Developments, Central Drug Research Institute, Lucknow, 25-28th February, 2015.

Conferences/Seminars/ FDPs/ Workshops attended

1. 3rd National Seminar on “Pioneering Pharmacy’s Future: Fostering Industry-Academia Collaboration through Technological Innovations for Sustainable Healthcare”, organized by Dhanalakshmi Srinivasan University, Perambalur and Association of Pharmaceutical Teachers of India (APTI-TN), 22nd February 2025.
2. One week online refresher programme on “Navigating the future of Pharmaceuticals: Addressing challenges and seizing opportunities”. Organized by V. V. Institute of Pharmaceutical Sciences, Gudlavalleru, Andhra Pradesh and APTI-AP, 4-9th September 2024.
3. The 27th Annual National Convention of the Association of Pharmaceutical Teachers of India, Beyond the Counter: Transforming Pharmacy Education for Industry and Patient Impact, Utkal University, Bhubaneswar, 27- 28th September 2024.
4. International Conference on Medicinal Chemistry in Integrated Drug Discovery, organized by the Department of Pharmaceutical Chemistry, Karpagam College of Pharmacy, Coimbatore, 3-4th September, 2024.
5. Three-day onsite Training on CAMAG HPTLC System. Organized by the Department of Pharmaceutical Analysis, Karpagam College of Pharmacy, Coimbatore and in association with

Anchrom Enterprises (I) Pvt Ltd, Mumbai. 1-3rd August, 2024.

6. Two days National Seminar on “Envisioning New Bharat: Educational Reforms and Indigenous Systems”, organized by Akhil Bhartiya Rashtriya Shaikshik Mahasangh (ABRSM) in collaboration with Tamilnadu Higher Education Teachers Association (THETA) and Unnatha Vidyabhyasa Adhyapaka Sangham (UVAS), 8-9th June 2024.
7. Five days National level online faculty development program on “Pharmacy Teaching, Learning and Research: Trends and Tools”, organized by Department of Pharmacology, Karpagam College of Pharmacy, 22-26th April 2024.
8. National e-FDP on “Fostering the Drug Design via Artificial Intelligence and Sanctifying Molecular Docking Studies”. Department of Pharmaceutical Chemistry & Analysis, School of Pharmaceutical Sciences, VELS Institute of Science, Technology & Advanced Studies, Chennai, 24-28th July 2023.
9. One-day Hands-on workshop on “Statistical Discovery for Pharmaceutical Sciences using JMP”. Organized by Karpagam College of Pharmacy in association with JMP Statistical Discovery LLC. 28th June 2023
10. National Seminar on “Effective Teaching, Learning Strategies and Research in Pharmacy”, organized by PSG College of Pharmacy, Coimbatore and Association of Pharmaceutical Teachers of India (APTI-TN), 1st April 2023.
11. National Seminar on “Preclinical to Clinical Approach in Neuropharmacology –Global Concern”, organized by Department of Pharmacology, Karpagam College of Pharmacy, 16-17th March 2023.
12. Two days International Conference on “Developments in Drug Delivery (IC-D³-2K23)” organized by Department of Pharmaceutics, Karpagam College of Pharmacy, 27-28th February 2023
13. The 25th Annual National Convention of the Association of Pharmaceutical Teachers of India on “Empowering Academia for Advancing Pharmacy Education”, JSS College of Pharmacy, JSS Academy of Higher Education & Research, Mysuru. 2-4th September 2022.
14. Two Days National Workshop on “Interpretation of Organic Compounds using NMR techniques” Organized by Faculty of Pharmacy, Karpagam Academy of Higher Education and Research, 4-5th May 2022.
15. Three days faculty development programme on “Art of writing a Research Article and Indexing & Publishing”, organized by Ashoka Women’s Engineering College, Kurnool. 9-11th June 2022.
16. 2nd International Conference on “Regulatory Network Architecture in Bacteria”, SASTRA University, Thanjavur, India December 16-18th, 2016.
17. 21st ISCB International Conference on “Current Trends in Drug Discovery and Developments”, Central Drug Research Institute, Lucknow, February 25-28th, 2015.