

PROFILE

1. **NAME** : Mrs. S. SWARNAKUMAI
2. **QUALIFICATION** : M. Pharm., (Ph. D)
3. **FACULTY ID** : P0012
4. **DESIGNATION** : Associate Professor
5. **DEPARTMENT** : Pharmacognosy
6. **DATE OF JOINING** : 18.09.2015
7. **OFFICIAL E-MAIL I.D** : swarnakumari@kcp.edu.in



WORK EXPERIENCE:

S.NO	PROFESSIONAL	INSTITUTION	UNIVERSITY	MONTH & YEAR
1	Associate Professor	Karpagam College of Pharmacy, Coimbatore	The Tamil Nadu Dr. M.G.R Medical university	4years 6 months and till date
2	Assistant Professor			3years 6 months
3	Lecturer			1 year 6 months

EDUCATION QUALIFICATION:

S.NO	DEGREE	NAME OF THE INSTITUTION	UNIVERSITY	MONTH & YEAR OF PASSING
1	M.Pharm	Madurai medical college, Madurai	The T.N. Dr. M.G.R Medical university	2010 & March
2	B. Pharm	Annamalai university, Chidambaram	Annamalai university	2007 & May

8. Teaching experience (in years) : 9.6 years
9. Clinical experience (in years) : 6 months
10. No. of Publications : Scopus : 04; Peer reviewed : 08
11. No. of paper presented in Conference: International : 03; National : 06
12. No. of conference / Seminar attended: 10
13. No. of Research Grants/ Projects received : 01
14. Patents: Published: Nil; Granted : Nil
15. No. of Consultancy services offered: Nil

No. of Awards:

1. **Post Graduate Scholarship** awarded by State Govt. of Tamil Nadu for 2 years.
2. Received **Certificate of Appreciation** from **Dr. P. D. Sethi Memorial Annual National Awards 2018**, in category of **Best Research Papers** on Application of TLC / HP-TLC in Pharma, Herbal & Other Chemical Analysis for the research paper “Isolation and High-Performance Thin-Layer Chromatography Analysis of Conditional Amino Acids from the fresh leaves of *Alternanthera sessilis*” published in Asian Journal of Pharmaceutical and Clinical Research 2019; 12(2):137-141

No. of Publication:

1. Sasikala, M; Mohan, S; **Swarnakumari, S**; Nagarajan, A. Isolation and in vivo evaluation of anti-breast cancer activity of resin glycoside merremoside from *Ipomoea aquatica* Forsskal in overcoming multi-drug resistance. Phytomedicine Plus. 2022; 2(4): 100359
2. Sasikala, M; Mohan, S; **Swarnakumari, S**; Nagarajan, A. Evaluation of the Role of Merromoside from *Ipomoea aquatica* Forsskal Hydroalcoholic Extract in the Downregulation of ROS Species in Overcoming MDR in Breast Cancer. Asian Pacific Journal of Cancer Prevention: APJCP. 2022; 23(11): 3657
3. **S. Swarnakumari**, S Mohan, M Sasikala and T. Umapoorani , Comparative Studies On *Amaranthus Viridus And Amaranthus spinosus*. International journal of Pharmaceutical science and research. 2021; 12(10).5618-23.
4. **Swarnakumari S**, Sasikala M, Mohan S, Divyanand Maharaj U, Kavipriya G. Estimation of Phenolic acid and Flavonoids in leaves of *Amaranthus viridis and Amaranthus spinosus*. Research Journal of Pharmacy and Technology. 2021; 14(7):3889-5. doi: 10.52711/0974-360X.2021.00675
5. Sasikala M, **Swarnakumari S**, Mohan S. Defensive Consequences of Hydroalcoholic Extract and Isolated Compounds of *Ipomoea aquatica* Forsskal against DMBA Method. Research Journal of Pharmacy and Technology. 2021; 14(7):3863-8. doi: 10.52711/0974-360X.2021.00670
6. Sasikala M, Mohan S and **Swarnakumari S**. Highlights of Spectroscopic Analysis – A Review. International Journal of Life science and Pharma Research. 2021; 11(2): 136- 145
7. **Swarnakumari S**, Mohan S, Ida Christi V. E. Abinaya S and Kalaivani S. Isolation and High-Performance Thin-Layer Chromatography Analysis of Conditional Amino Acids from the fresh leaves of *Alternanthera sessilis*. Asian Journal of Pharmaceutical and Clinical Research **2019**; 12(2):137-141.

8. **Swarnakumari S**, Mohan S. Pharmacognostical standardization and quantitative estimation of amino acid in *Alternanthera sessilis*. International Journal of Pharma and Bio Sciences **2019**; 10(1):141-146.
9. V. E. Ida Christi, S. Mohan, **S. Swarna Kumari**. Comparative phytochemical study on some cassia species. Asian Journal of Science and Technology **2018**; 9(9):8550-8556.
10. **Swarnakumari S**, Premanand S. Pharmacognostical, Phytochemical, Physio-Chemical and Acute Toxicity Studies on the Leaves of *Manilkara zapota* (L) Van Royen var PKM1. International Journal of Pharmacognosy and Phytochemical Research 2017; 9(10): 1309-1313.
11. **Swarnakumari S**, Periyannayagam K, Ida Christi V. E. and Mohan S. Phytochemical screening and *In-vitro* corneal wound healing activity of the leaves of *Manilkara zapota* (L) van royen var. pkm1 in newer herbal drug development. World Journal of Pharmaceutical Research. 2017; 6(9): 639-647.
12. **V. E. Ida Christi***, **S. Mohan**, S. Swarna Kumari, **T. K. Sreehari**, **R. Karthiyaraj**, **N. K. Franklin**. Phytochemical, antioxidant and antimicrobial study on rind of the fruit extract of *Punica granatum* linn. European Journal of pharmaceutical and medical research. 2017; 4(8): 658-665.

PAPER PRESENTATION:

- E- Poster presentation on the topic Formulation and Evaluation of Herbal Syrup for anti-Microbial Activity from Hydro Alcoholic Extract of *Terminalia arjuna* at two days International Convention on Neuropsychopharmacology: An Emerging Field in the Pharmacology organized by Department of Pharmacology, Karpagam College of Pharmacy, Coimbatore on 27th & 28th February 2025
- E- Poster presentation on the topic, HPTLC Fingerprint profile of methanolic extract of different chromatographic fractions of *Rauwolfia tetraphylla*. L in 27th Annual Convention of APTI (APTICON 2024), held at Utkal University, Bhubaneswar, Odisha on 27 & 28 September 2024.
- E- oral competition on the topic, “Preparation and clinical evaluation of traditional hepatoprotective Polyherbal formulation – A phase II clinical trial” in the AICTE sponsored Decennial national conference on Recent Trends in Industrial Pharmacognosy 2021, organised by MTPG & RIHS, Puducherry on 3rd September 2021.
- Poster presented on the topic, Preliminary Phytochemical screening and HPTLC fingerprinting analysis of isolated free amino acid from leaves of *Alternanthera sessilis* in the International seminar and exhibition on Phytopharmaceuticals emerging challenges and opportunities held at JSSCP, Ooty from December 11th to 12th, **2017**. (Co-Author)

- Poster presented on the topic, “ In-vitro corneal wound healing activity of the Leaves of manilkara zapota (l) van royen var. Pkm1 in Newer herbal drug development” in the National conference on Convergence of technology in Phytopharmaceuticals and its importance in trade and entrepreneurship held at PSG College of Pharmacy, Coimbatore from November 11th to 12th, **2016**. (DST & ICMR Sponsored).
- Poster presented on the topic, “Structural Bioinformatics- A Tool to Improve Plant Biology” in the National Conference on Indigenous medicinal plants held on August 18 & 19, **2016** at Karpagam University, Coimbatore. (Co-Author)
- Poster presented on the topic, “Plant Tissue Culture of Endangered Medicinal Plants: Current Status and Opportunities” in the National Conference on Indigenous medicinal plants held on August 18 & 19, **2016** at Karpagam University, Coimbatore.
- Poster presented on the topic, “DNA Barcoding-A mean for identifying medicinal plants” in the National conference on Indigenous medicinal plants held on August 18 & 19, **2016** at Karpagam University, Coimbatore. (Co-Author)
- Poster presented on the topic, “Isolation and purification of DNA from onion” in the International E-Symposium on “Pharmaceutical Engineering- An Insight into the latest developments” held at School of Engineering and Technology, Bharathidasan University, Tiruchirappalli on 3rd March **2006**. (Co-Author)

WORKSHOPS/SEMINARS/CONFERENCES ATTENDED:

- 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 on 28th June 2023
- Cloud-based Hands-on Workshop on “COMPUTATIONAL METHODS IN HIT AND LEAD IDENTIFICATION / OPTIMIZATION FOR DRUG DISCOVERY” held on 08.08.2022 & 09.08.2022 Co-organized By Karpagam Academy of Higher Education and Schrödinger
- National workshop on “Global Phyto-analytical trends in Botanicals”, organized by MVP Samaj's College of Pharmacy, Nashik on 29th September 202
- e- Workshop on “Structure based and ligand based drug design” organized by Department of pharmaceutical chemistry, JSS college of pharmacy, Mysuru held on 13.07.2020-14.07.2020.
- National seminar on Neurodegenerative Diseases: Current and Future Perspectives” held at Karpagam college of pharmacy , Coimbatore on 30th June, 2017. (TN MGR sponsored)

- National Conference on Convergence of technology in Phytopharmaceuticals and its importance in trade and entrepreneurship held at PSG College of Pharmacy, Coimbatore from November 11th to 12th, 2016. (DST & ICMR Sponsored).
- National Conference on Indigenous medicinal plants held on August 18 & 19, 2016 at Karpagam University, Coimbatore. (TN MGR sponsored)
- National Seminar on Advancing chemotherapy with a merge of Medicinal chemistry and Bioinformatics held at Karpagam College of Pharmacy, Coimbatore on 17th June, 2016.
- International Seminar on “Herbal Drug Research: Present and Future Prospects” held on 4th & 5th December 2009 at JSS college of Pharmacy, Ootacamund, Tamilnadu.
- National Seminar on “*Invitro- Invivo* Correlation” held on 24th November, 2009 at Madurai Medical College, Madurai.
- National Seminar on “*Invitro- Invivo* Correlation” held on 24th November, 2009 at Madurai Medical College, Madurai.
- National Seminar on “drug discovery from medicinal plants” held at Arulmigu Kalasalingam College of Pharmacy, Krishnankoil, Tamilnadu on November 6th to 7th, 2009.
- National Conference on Hospital Acquired Infection- A Challenge to Clinicians HAICON 2009” held at Madurai Medical College, Madurai on 2nd May 2009. (IAMM & TN MGR university sponsored)
- National Symposium on “Diverse Dimensions of Drug Discovery” held at Ultra College of Pharmacy, Madurai on 28th July 2008.
- International E-Symposium on “Pharmaceutical Engineering- an Insight into the latest developments” held at School of Engineering and Technology, Bharathidasan University, Tiruchirappalli on 3rd March 2006.

FACULTY DEVELOPMENT PROGRAMME

- One week Faculty Development program on “Pharmaceutical Education: Trends and Tools” organized by Sri Venkateshwara College of Pharmacy, Puducherry on 18.12.2023 to 23.12.2023

- One week Faculty Development program on “Soft skill and Industrial Awareness” organized by JBIT college of Pharmacy on 27.03.2023 – 01.04.2023
- One day Faculty Programme Organized by Sree Sastha Pharmacy College, Chennai, on 13th August, 2021 on the title “Good Pedagogical approaches in Pharmacognosy & “Phytopharmaceutical’s regulations in India:- Overview of quality and safety”
- e- Faculty Development program on “Emerging trends and challenges in pharmaceutical sciences and health care” organized by Nehru College of Pharmacy, Thrissur on 07.09.2020 to 20.09.2020.
- e- Faculty Development program on “Promoting effective teaching and Progressive research” at Faculty of Pharmacy, KAHE on 01.09.2020 to 05.09.2020.
- one week Pharma graduates development programme on “Career Opportunities for Pharma Graduates” organized by MNR College of Pharmacy, Sangareddy, Telangana conducted on 3rd to 7th August, 2020
- National level FDP on “Recent Trends In Phytopharmaceuticals” Rajarambapu College of Pharmacy, Kasegaon Tal. Walwa, Dist. Sangli, 12 – 14 July 2020
- Online FDP programme on “Lessons from COVID 19 – The Perspectives on Pharmacological and Pharmaceutical Sciences”, organized by School of Pharmacy, Sathyabama Institute of Science and Technology on 7-9 July 2020
- one-week International FDP-4 on “Innovations in Natural Product Driven Drug Discovery and Analytical Chemistry” organized by Shri Vishnu College of Pharmacy on 6-11 July 2020
- AICTE sponsored Faculty Development Programme on “Building an Innovation Platform about the development of natural products” at Nandha College of Pharmacy, Erode-52 on 06.11.2019 to 19.11.2019.

RESEARCH/SEMINAR GRANTS RECEIVED:

- Received financial support of ₹. 7,500 under final year UG students “**STUDENT PROJECTS SCHEME 2022-2023**” from Tamil Nadu State Council for Science and Technology, DOTE Campus, Chennai for guiding FINAL YEAR project students.

Books/Reports/Chapters/General Articles etc:

Book chapter in Recent Advances in Pharmaceutical Sciences “Comparative Studies on *Amaranthus viridus* and *Amaranthus spinosus*” published by Innovare Academic Sciences Pvt Ltd. ISBN: 978-81-964888-9-5

Published Book chapter in “Pharmaceutical research- Recent Advances and trends” with tile “Isolation and High-Performance Thin-Layer Chromatography Analysis of Conditional Amino Acids from the fresh leaves of *Alternanthera sessilis*”. Vol 4. ISBN: 978-81-977283-0-3(PRINT) , 978-81-977283-9-6(ebook)

NPTEL Online Certification

1. Completed 8 weeks course + FDP in “Introduction to Psychology” with ELITE grade, conducted by IIT, Kanpur.
2. Completed 8 weeks course + FDP in Accreditation and Outcome Based Learning with ELITE grade, conducted by IIT, Madras.