

K. SANDHANAM

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CAREER OBJECTIVE

To work in a professional environment where I can use my knowledge and potentials effectively for the betterment of the organization and work with newer technologies.

EDUCATIONAL QUALIFICATION

Course	School/College	University/ Board of Education	Year	Percentage of Marks
M. Pharm	KMCH College of Pharmacy, Coimbatore	The TN. Dr. MGR Medical University	2019-2021	CGPA 9.01
B. Pharm	Mother Theresa P.G. & R.I. of Health Sciences, Puducherry	Pondicherry University	2014-2018	70.4%
H.SC	Aditya Vidhyashram Higher Secondary School, Puducherry	State Board of Pondicherry	2014	83.5%
S.S.L.C	Subramania Bharathi English High School, Puducherry	State Board of Pondicherry	2012	92.8%

AREAS OF INTEREST

- Clinical pharmacist
- Research & Development
- Clinical trial
- Patent analyst
- Neuropharmacology

TECHNICAL SKILLS

- Operating systems: windows Xp, windows 7.
- Basic knowledge of computer fundamentals, proficient in Microsoft Office Suite (Word, Excel, Power Point Access, Internet, E-mail), C, C++ languages.

CO-CURRICULAR ACTIVITIES

- Participated and presented research article in Oral presentation at the joint International Conferences on Pharmaceutical sciences “**Liyang Conference**” which was held at 7-8 th November 2023, at Universitas Airlangga (Nanizar Zaman Joenoes Building, 1 st floor), Surabaya, Indonesia.
- Participated and presented research article in Oral presentation at the 53 rd Annual conferences of **Indian Pharmacological Society**”-IPSCON 2023, which was held at 14-16th December 2023 in TP Ganesan Hall, SRMIST, Kattankulathur, Chennai-603203.
- Participated and presented a research article in an E-Poster at the 21 st International Medical Pharmaceutical Cosmeceutical and Health Sciences Symposium” which will be held at 3 rd January, MSU-University, Malaysia, Received best E-Poster award from IMPCaHS.
- Participated in Research Day” held at 28 th Feb -2023 and Dr.Parivendar Research Colloquim-2023, March 29-31, 2023 at SRMIST-Kattankulathur.
- Participated in the National Conference on Artificial Intelligence in Drug Discovery and Pharmaceutical Research conducted by SRM College of Pharmacy, SRMIST-Kattankulathur.
- Participated and presented a paper titled “**Evaluation of Antiepileptic Activity of *Cucumis Dipsaceus* Fruit Extract in Animal Models**” organized by SFEC 2020 7th International Congress of Society for Ethnopharmacology, New Delhi, India.
- Participated in 3rd national symposium on “**Emerging Infectious Diseases and Novel Drug**

Development (EID –NDD 2019) organized by **Department of Pharmaceutical Analysis, Swamy Vivekananda College of Pharmacy.**

- Participated in **9th** AICTE sponsored **International Herbinar conference on Recent Trends in Industrial Pharmacognosy (RTIP)** organized by MTPG & RIHS-2020 and won **first prize** in E-Quiz competition.
- Participated in **4th, 5th, 6th** AICTE sponsored **National conference on Recent Trends in Industrial Pharmacognosy (RTIP)** organized by MTPG & RIHS.
- **Presented a paper** titled **“Prevention and Control of Diabetes Mellitus”** in **6th National conference** on RTIP-2017.
- Participated in **2nd Indo-African conference** on **“Advances & Latest Strategies in Pharmaceutical sciences”** organized by MTPG&RIHS in collaboration with APP Karnataka state branch.
- Participated and presented a paper titled **“Stem Cell Therapy in Diabetes Mellitus”** **organized 4th National conference** on Pharma Sciences TPV-16.
- Participated in **ICMR sponsored National conference on Emerging Trends in Target Based Drug Discovery.**

CERTIFICATION COURSE:

- Certification of **CERTIFIED CLINICAL RESEARCH PROFESSIONAL (CCRP)** and completed the training both practical and theory in **Clinical Research, Internal Medicine, Infectious Disease and Biomedical Curriculum** organised by **Deepam Clinical Research.**

AWARDS AND ACHIEVEMENTS:

GPAT

- **QUALIFIED** in **GPAT 2019, SCORE 120** with All India Rank (AIR) **4185**. Received stipend granted by **AICTE** of rupees 2,48,800/- per year during two years of my Post Graduation (2019- 2021).
- **QUALIFIED** in **GPAT 2021, SCORE 153** with All India Rank (AIR) **4462**
- **QUALIFIED** in **GPAT 2022, SCORE 122** with All India Rank (AIR) **4678**
- Won first prize in English essay competition conducted by Pondicherry Pharmacy Council, and received cash prize 1000/-

ACADEMIC PROJECT

UG Project: Pharmacological Evolution of Ethanolic Leaves Extract of *Pyrenacantha Volubilis*.

PG Project: Posterior Salivary Gland Toxin from the Cuttlefish (*Sepia Pharaonis*) Attenuates N-Nitrosodiethylamine and Phenobarbitone-Induced Hepatocellular Carcinoma in Male Rats.

Ph.D Project: Marine Toxin-Based Therapy for Glioblastoma: Formulation, Characterization, and Comprehensive Assessment via In-Silico, In-Vitro 3D Modeling, and In-Vivo Strategies

PUBLICATION (2023-2024)

Bhattacharjee, B., Sandhanam, K., Ghose, S., Barman, D., & Sahu, R. K. (2023). Market Overview of Herbal Medicines for Lifestyle Diseases. In *Role of Herbal Medicines* (pp. 597–614). Springer Nature Singapore. https://doi.org/10.1007/978-981-99-7703-1_30

Siddiqui, S. A., Hadus, M. C. I., Fitriani, A., Guleria, V., Sandhanam, K. S., Bhattacharjee, B., Yudhistira, B., & Maggiolino, A. (2024). Edible cockroaches as food and feed – A systematic review on health benefits, nutritional aspects and consumer acceptance. *Journal of Insects as Food and Feed*, 1–43. <https://doi.org/10.1163/23524588-00001138>

Sandhanam K, Nirenjen. S, A Karpagam, Swathi Suresh (2023). Retrospective comparative study on docetaxel and cyclophosphamide vs doxorubicin and cyclophosphamide in breast cancer chemotherapy. *European Chemical Bulletin*, <https://www.eurchembull.com/uploads/paper/d6342c4584265a5ac9343d2f23b3cb4f.pdf>

Sandhanam K; Gowtham K (2023). Research article. Evaluation Of Anti-Hyperglycemic Activity Of Ethanolic Extract Of Aerial Parts Of *Luffa Acutangula* Against Streptozotocin-Nicotinamide Induced Type II Diabetic Rats *European Chemical Bulletin*, <https://www.eurchembull.com/uploads/paper/05b844e8c5b3eacd543d5a24c5d29342.pdf>

Sandhanam K, T. Tamilanban , Swetha S, Nisma Rahman, Yuvashree S, *Emerging Frontiers: Marine Drugs in the Management of Future Cardiovascular Diseases*. IIP series (2023), *Futuristic Trends in Pharmacy & Nursing*. Volume 3 Book 17.

Unlocking the Potential of Cancer Treatment: Examining Targeted Therapy, Immunotherapy, Epigenetics and Gene Editing. Sandhanam K, Nisma Rahman, Swetha S, T. Tamilanban. IIP series (2023), *Futuristic Trends in Pharmacy & Nursing*. Volume 3 Book 17.

Carbon Nanotubes: Advancements, Properties, and Promising Futures. Sandhanam K, Pavithra K, Manimaran V, Tamilanban T. IIP series (2023), *Futuristic Trends in Pharmacy & Nursing*. Volume 4, Book 17.

Chapter 6, *ONE DIGITAL HEALTH*, Sandhanam K, Bedanta Bhattacharjee. Taylor and Francis-(2024)

INTERNSHIP/WORKSHOP

Summer Internship Programme in Environmental Epigenetics (SIPEE) – 2023, From- 15/06/2022 to 30/06/2023. Venue- ICMR-NIREH, Bhopal, India

Microphysiological Systems Bootcamp at Atal Incubation Centre - Centre for Cellular and Molecular Biology (AIC-CCMB) CSIR, India, from December 4–13, 2023. Focus on 3D cell culture (Organoids and Spheroids) on neural cells, Organ on Chips, Microfluidics and Good cell culture practices.

Quaxon Bio & IT Solutions, India, 3 day international virtual workshop on “Molecular Dynamics Simulation in Bioscience Research: From Theory to Practice.

ASSETS

- Self-motivated, and have the drive to excel.
- Highly motivated to work as a team.
- Hard Worker.
- Good communication skills.

REFERENCE

To be furnished upon request

PERSONAL DETAILS

Father's name : Kuppusamy.P
Mother's name : Gajalakshmi.K
Date of birth : 18-02-1997
Nationality : Indian
Hobbies : Football, Athletics

DECLARATION

I hereby declare that all the information provided above is true to the best of my knowledge

Place: Tamil Nadu
Date: 10.06.2024

K. Sandy

(K. SANDHANAM)