



Dr. S. SENTHIL KUMAR

Principal Investigator in SERB, DST (WTI), MoES, UGC, DST (WMT), INSA & TNSCST funded R&D Projects

Research Advisor in Biotechnology

(Bharathidasan University, Govt of Tamil Nadu)

Assistant Professor (SS) of Botany (Govt of Tamil Nadu)

Fmr. SERB Young Scientist Fellow (Govt. of India)

Scientist In-charge, GEOBIOTECHNOLOGY LABORATORY, NATIONAL COLLEGE (AUTONOMOUS), Tiruchirappalli-620001 (TN), India.

Other Positions held (At present) : **Coordinator, Internal Quality Assurance Cell**
Member Secretary, Institutional Animal Ethical Committee

Specialization : **Geomicrobiology** - Molecular Microbial Ecology;
Bioremediation and **Water Management.**

Research Projects : **11;** Major – Completed : 05 Ongoing: 02
Minor – Completed : 04 Ongoing: 00

Schemes Received for the Host Institution : **03;** (From DBT, Govt of India & UGC, Govt. of India)

Total grants received : **INR 4.57 Crores** (Research Project and Schemes)

International grants received : **Euros: 8000 USD: 2750 KRW: 10 million**

Ph.D., Guidance : **Awarded: 06 Pursuing: 03**

Research Publications : **60;** International: 51 National: 09

Highest Impact Factor : **11.06** (Journal of Cleaner Production - 2022)

Patents granted : **04;** International: 02 Indian: 02

Books published : **02;** International: 01 National: 01

Book chapter : **02;** International: 01 National: 01

CD/audio visuals Released : **01**

Fellowships Received : **19;** International: 09 National: 10

Honors/Awards : **22;** International: 05 National: 17

Recognitions (International):

- Won the **“BEST SOLUTION AWARD OF THE YEAR”** at the most prestigious World Water Challenge 2020, organized by the **Ministry of Environment, South Korea and Korea Water Forum.**

- Recipient of **INQUA (International Union for Quaternary Research) and PAGES (Past Global Changes) fellowship** to participate the PALSEA Event held at **Dublin, Ireland**.
- Won the **BEST PRESENTATION AWARD** at the prestigious 20th INQUA Congress to be held at **Dublin, Ireland**.
- Recipient of **fellowship from INQUA and PAGES** organizations towards participation in the International Conference for Early Career Researchers (ECR) held at **The Netherlands**.
- **Received a 'Ozone generator' from "EP Purification Inc" Illinois, USA**, as a token of appreciation and research collaboration on textile industry waste water treatment and A/C condensate water treatment.
- Recipient of **fellowship from PAGES** organization towards attending the **5th Open Science Meeting held in Zaragoza, Spain**.
- **Recipient of funding** towards travel and accommodation from **Pike Peaks Foundation, Colorado, USA and Colorado College, Colorado, USA** to attend and present the research work at the 4th Conference of the India Network for Learning, Innovation and Competence-Building systems.
- **Invited to deliver key note address** in the 3rd International Conference on Water Resource and Environmental Management held at **Antalya, Turkey**.
- Recipient of **fellowship from** Global Institute for Water, Environment and Health (**GIWEH**), **Geneva, Switzerland**.
- Received the **Best Paper Award** at the 2nd International Conference on Water Resources and Environment held at **Geneva, Switzerland**.
- **Recipient of Finnish Forest Research Institute (METLA) Scholarship, Finland**.

Recognitions (National and Regional Level):

- **Recognized as one of the renowned experts of Botany** to contribute towards vetting and editing terms/terminologies in Botany by the **National Translational Mission, Central Institute of Indian Languages** (Ministry of Education, Govt of India), Mysore.
- **Honoured with Life Membership of the Association of Quaternary Researchers (AoQR)**, a renowned national association with head office at Birbal Sahni Institute of Palaeosciences, Lucknow.
- **Recipient of the prestigious India Science and Research Fellowship (ISRF) Program from Department of Science and Technology**, International Cooperation Division.
- Dr.S.Senthil Kumar's research work was chosen and highlighted in the 2021 Annual Report of the Department of Science and Technology (DST), Govt. of India, New Delhi. **The work has been recognized as one of the "Major Success Stories of DST in 2021"**.

- Recipient of **Young Scientist Award from SERB** (Govt of India),
- **Received books (published by Springer, Elsevier and The CRC Press, LLC.) worth 6 lakhs from United Phosphorus Limited,** Gujarat in contemplation of research work in the field of industrial waste water treatment.
- Recipient of **Tamil Nadu State Council Young Scientist Fellowship** (Govt of Tamil Nadu).
- Recipient of **"Dr.APJ Abdul Kalam award for Scientific Excellence"** from the Marina Labs®, Chennai.

Membership in Professional bodies : **03;** International: 01 National: 02

Experience in Handling: International Students : **2016-2017:** Offered an Elective Course (EC110 - Innovation for Poverty Alleviation: Water in the Tropics) and have taught the students of **Colorado College, Colorado, United States of America.**

Countries Visited (Official Trips alone) : **29;**
North America: United States of America;
Europe: Ireland; The Netherlands; Denmark; Spain; Italy; United Kingdom; Switzerland; France; Finland; Germany; Portugal; Poland; Belgium; Greece; Norway;
Asia: Qatar; United Arab Emirates; Japan; Malaysia; Turkey; Sri Lanka; Hong Kong; Singapore; Thailand; Indonesia;
Africa: South Africa; Mozambique; Tunisia.

ITS from Govt agencies: **DST: 02 SERB: 01 UGC: 02 TNSCST: 01**

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The driving force of my research...

"If you look at the breakthroughs in science, almost always they don't come from the center of that profession. They come from the fringe.

The finest candle makers in the world couldn't even think of electric lights.
 Science is different from research in academia"

- **Allan Savory**, Ecologist