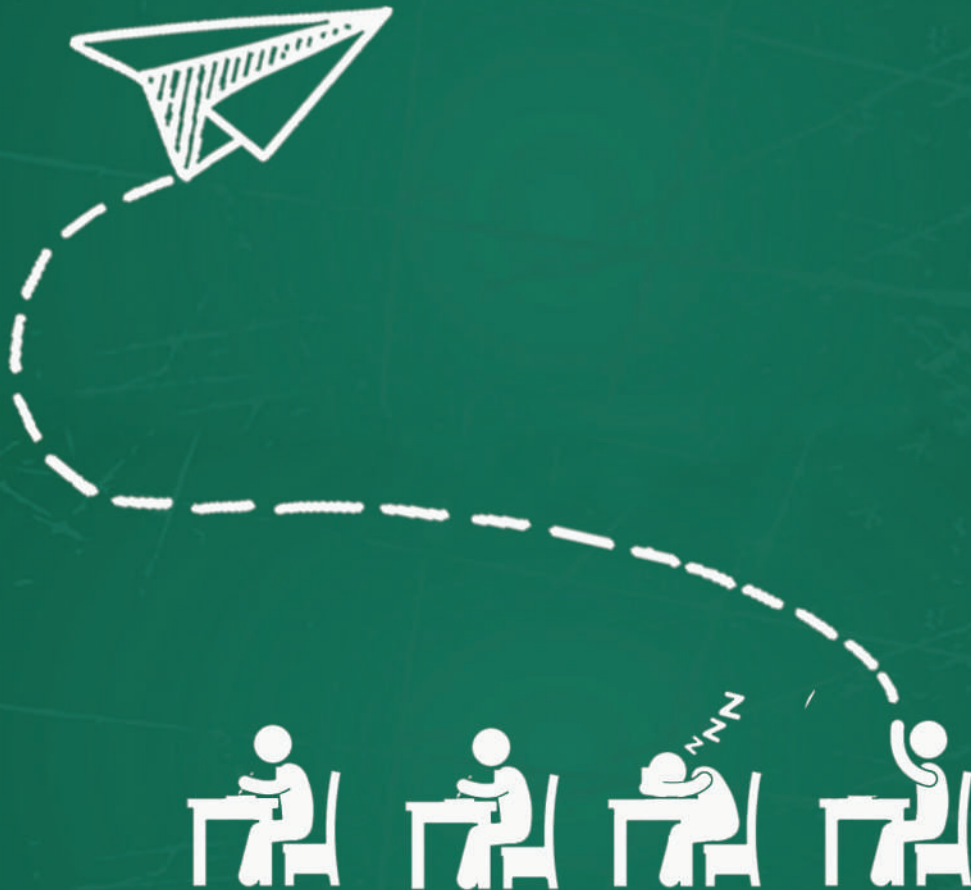


Senthil Kumar Sadasivam Ph.D.

A back-bencher turned Teacher...



Inside...
the twists in the tale!



- Why am I a Teacher?** *I want to make REAL difference!
I get intangible awards!!
This is more than a JOB!!!*
- My Intention** *To pass the truth to the next generation by teaching them early what I learnt late.*
- My Passion** *I've been seeking for a passion that would be complicated enough to hold my interest and at the same time be perspective. I can now say that I have found the science that has survived all of my dilemmas, wanderings and uncertainties - the thing that has become my ultimate passion is Microbiology!*
- My Research** *My lab revolves around 3 themes:
Geomicrobiology,
Bioremediation and
Water resource management.*
- My Philosophy** *No one can go back and change a bad beginning, but anyone can start anything, anytime and create a successful ending.*
- My Principles** *You only live once.
Celebrate every little success.
I give as good as I get.*
- My Confession** *After these many years of doing science, I knew nothing!*
- My Dream** *Let every student embarrass the challenges that life unfolds to them and be empathic to all the living and non-livings in their life and world.*
- My Desire** *I wish to travel light because in the Judgment day nobody ever said "I wish I would have brought more"*

My life at National College:

After serving in two reputed Institutions and with nine years of service as a Teacher, in 2011, I did not PICK a Job at National College, I picked a Boss! My first boss was the greatest catalytic factor that galvanized the success of my career. Yes, it was the former Principal Dr. K. Anbarasu, my immediate boss who trusted my potential and gave opportunities to grow. But every Boss has a Big Boss! In a very short span, the assignments assigned to me, time, and necessity paved way for a positive relationship with the 'Big Boss', the Secretary of National College, Shri K. Ragunathan. Since then, I got more opportunities to prove and grow along with the Institution. The close association and admiration to the Big Boss changed my attitude towards campus life from 'doing it right' to 'doing what is right'.

Here, I mould graduates and postgraduates in different domains of Biotechnology and Botany especially in Molecular Genetics, Plant Pathology, Genetic Engineering and Industrial Microbiology. I teach not only what I know, but also teach what needs to be known. I take sincere efforts to bring out the latest knowledge and skills required in the realm of Microbiology, Molecular Biology, DNA Technology, Bioprocess Technology and Biostatistics within the reach of career aspirants and enrich the interplay of academy and industry. As a back-bencher turned teacher I could make my students realize their roots of responsibility and also could help them grow their wings of independence, which a gold-medalist teacher will obviously struggle to attain, especially in Government aided management Institutions.

With absolutely no regrets for being punished often to stand outside the classroom during my student life has now made me successfully take my students holistic learning beyond classroom walls. An example to state is that the 'most-neglected' performance of the students of Botany is now the 'most-appreciated' performance in every annual sports meet of the College. When I was considered as a 'Waste' during my studentship, I actually developed a different perspective on the reuse of different 'wastes' generated in the society, which later in my career helped me to attract research grants from different elite funding agencies to the tune of Rs. 2 Crores. That procured me the 1st position in the list of faculty who have received highest funding in National College as on 2020 (The year which we celebrated our Centenary). Being pointed out as a day-dreamer and a lazy-Student helped me have more National and International collaborators to carry out a first of its kind - research projects. I started travelling to the length and breadth of this world to oblige being accused as a road-side Romeo. Written off as 'Good-for-nothing' by one of my 'so-called' Teachers, I served as the Co-ordinator of Youth Red Cross Unit of our College and during my tenure National College was awarded the "Best Performing Institution" from Indian Red Cross Society.

Having vented my artistic skills on the desks of backbenches, restrooms and compound walls, that old habit of mine has now greatly helped in the successful reimagining the design layouts of College Magazines, News Bulletin wrappers, invitation cards, stage backdrops and souvenirs for many of the prestigious events held at National College.

I have always been the first one to start the commotion in my classroom from backbenches and the same attitude makes me initiate major reforms in the curriculum and bring transformation in the functioning of the system be it in the departments or in the college. It never mattered to me when my teachers changed my seat in classroom, time and again it is the same, either in the department of Biotechnology or in Botany, I always indulge in shaping our student community by linking different profiles of individuals to each other. In spite of being designated as mischievous and argumentative earlier by my teachers and now by few of my colleagues, my reputation is growing among my students, friends, from Junior to senior colleagues and with my Bosses too! I live up-to my reputation which honestly didn't come by sitting quiet, minding only with my own businesses, wearing a mask and playing safe.

Back benching is distancing itself from instant false impressions. Thus having a real vision of truth I inculcate in my students the will to work towards being successful and not just looking successful. My dream is that every student embraces challenges that life unfolds to them and show empathy to all the living and non-livings in their life and world.

I also engage and make myself listened by the authorities concerned when it comes to launching innovative initiatives and arriving at policy decisions in and off the campus. Fortunately the number of opportunities available to me has grown significantly in the recent years. And the reason for me being well-received is that the trust that my Big boss has placed on me. I reciprocate it with my loyalty and put in time on the front to strengthen our bond.

After all these, I keep responding to ever-rising professional challenges (both on-campus and off-campus) by constantly enriching of the resource base with a strong belief that only endless knowing and sharing is TEACHING! I take a lot of courage, humility to look at myself closely and with honesty for a self-assessment coupled self-awareness, which was misunderstood by many of my Teachers and Colleagues and hated my guts. This write-up is one of my attempts to have more of self-realization rather showcasing my Curriculum Vitae!

- Senthil Kumar Sadasivam
(A teacher by choice, not by chance!)

PERSONAL INFORMATION

Prefix	:	Dr.
Name (with initials)	:	S. SENTHIL KUMAR
Designation and full correspondence address (Official)	:	Principal Investigator (UGC, SERB, DST –WMT/WTI, MoES, TNSCST funded MRP's) Research Advisor in Biotechnology Fmr. SERB Young Scientist Fellow Geobiotechnology Laboratory Assistant Professor in Botany National College (Autonomous) Tiruchirappalli – 620001, Tamil Nadu.
Other Positions held (at present)	:	Member Secretary - Institutional Animal Ethical Committee Member - Purchase Committee Member - Research Promotion Committee Departmental Co-ordinator – DBT Star College Scheme
Teaching Experience (Till Sep 2021)	:	19 years 02 months Post Graduate : 18 years 2 months Under Graduate : 11 yrs 2 months
Experience in Handling International Students	:	2016-2017: Offered an Elective Course (EC 110 - Innovation for Poverty Alleviation: Water in the Tropics) and have taught the students of Colorado College, USA.
Research Experience	:	10 years
Mobile No.	:	+91 98652 68433
E-mail	:	senthil@nct.ac.in
My (virtual) world	:	<u>www.madinmicrobiology.com</u>

PROFESSIONAL ACHIEVEMENTS
MAJOR RESEARCH PROJECTS

S. No.	Project Title	Sponsoring Agency	Period	Grant Amount
1.	Advanced oxidation process and microbial treatment for toxicity-free textile effluent disposal.	Science and Engineering Research Board (SERB), Govt. of India, New Delhi.	2012-2015 (3 years)	26.89 Lakhs
2.	Geobiotechnological study of late Pleistocene and Holocene sea-level changes along the coast of Tamil Nadu using geomorphological and microbiological indicators.	Ministry of Earth Science (MoES), Govt. of India, New Delhi.	2015-2017 (2 years)	44.50 Lakhs
3.	Strategic approach to re-use biologically degraded and photo-catalytically treated textile wastewater for crop irrigation to encourage water use efficiency in the textile valley of Tamil Nadu.	University Grants Commission, Govt. of India, New Delhi.	2015-2018 (3 years)	13.85 Lakhs
4.	Stabilization of textile industry chemical sludge	Technology Development and Transfer Division, DST (Govt. of India), New Delhi.	2017 – 2018 (1 year)	10.30 Lakhs
5.	Extraction of Water from Air	Technology Mission Division, DST (Govt. of India), New Delhi.	2017 – 2019 (2 years)	25.17 Lakhs
6.	A Geomicrobiology approach for analyzing deep core samples	Ministry of Earth Science (MoES), Govt. of India, New Delhi.	2019 - 2021 (Ongoing)	10.00 Lakhs
7.	MINOR RESEARCH PROJECT	University Grants Commission (Govt. of India), Hyderabad.	2012-2014 (2 Years)	2.60 Lakhs
8.	Bioremediation of textile effluent polluted soil MINOR RESEARCH PROJECT	Tamil Nadu State Council for Science and Technology (TNSCST), Govt. of Tamil Nadu Chennai.	2013-2014 (2 Years)	2.72 Lakhs
9.	CONTRIBUTION MADE TO THE HOST DEPARTMENT: PG Diploma in Bioprocess Technology (PGDBPT) UGC's Innovative Programme	University Grants Commission (Govt. of India), New Delhi.	2012-2017 (5 Years)	Grant Amt: 60 Lakhs for <i>Equipment plus 3</i> <i>staff with UGC scale</i> <i>of pay for 5 years</i>
Total Funds Received				1.96 Crores

INTERNATIONAL FELLOWSHIP/ HONOURS RECEIVED

- **Won the “BEST SOLUTION AWARD” at the most prestigious World Water Challenge 2020**, organized by the Ministry of Environment, South Korea and Korea Water Forum on 20th November 2020. **(10 Million KRW)**
- **Won the best presentation award at the prestigious 20th INQUA Congress** to be held between 25th and 31st July 2019 at Dublin, Ireland.
- **Recipient of INQUA (International Union for Quaternary Research) and PAGES (Past Global Changes) fellowship** to present my research findings in the PALSEA 2019 held at Trinity College, Dublin, Ireland from 21st to 23rd July, 2019 and at the 20th INQUA Congress held at Dublin, Ireland from 25th to 31st July, 2019. **(Euros 3000)**
- **Recipient of fellowship from International Union for Quaternary Research (INQUA) and Past Global Changes Organization (PAGES)** towards my participation and presentation of my research work in the International Conference for Early Career Researchers (ECR) on Impact of sea-level rise from past to present (iSLR2018) **held at Utrecht , The Netherlands** from 26th to 29th August 2018. **(Euros 1500)**
- Received a ‘**Ozone generator**’ from **Dr. Sung Jin Park, Co-founder of "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 Past Global Changes Organization (PAGES)** towards complete travel and registration expenses to present my research work at the 5th Open Science Meeting (OSM) held in Zaragoza, Spain from **9-13 May 2017 (1500 Euros)**.
- **Recipient of funding towards travel and accommodation from Pike Peaks Foundation, Colorado, USA and Colorado College, Colorado, USA** to attend and present my research work at the 4th Conference of the India Network for Learning, Innovation and Competence-Building systems (IndiaLICS) held on June 9-10, 2016 at Colorado College, Colorado Springs, Colorado, USA **(1300 USD)**.
- **Invited to deliver key note address** in the 3rd International Conference on Water Resource and Environmental Management (ICWRE 2014) - Role of Governance in the Management of Water Resources and Environment, held **at Antalya, Turkey**, on 13-15 May, 2014.
- **Recipient of fellowship from Global Institute for Water, Environment and Health (GIEWH), Geneva, Switzerland** towards complete travel and accommodation expenses to deliver a key note address at ICWRE 2014, held at Antalya, Turkey. **(1750 Euros)**.

- **Best Paper Award** at the 2nd International Conference on Water Resources and Environment (ICWRE 2013), held at **Geneva, Switzerland** between 9 & 11, April, 2013.
- Recipient of **Finnish Forest Research Institute (METLA) Scholarship (1750 Euros)**, Finland. (2009).

INTERNATIONAL PRESENTATIONS

- **2021 - Institute of Economic Development and Social Researches, Turkey:** Presented a research paper titled "Green Synthesis of Graphene: Selection of a Facile Raw Material" held virtually (Online) from 11th to 12th September, 2021.
- **2020 – University of Sfax, Tunisia:** Presented a research paper titled “Extraction of Water from Air at Zero Energy Expenditure to Mitigate Water and Energy Crisis: A Socio-technical perspective to develop ‘ZERO EXTRACT CORPORATES’ in India” held virtually (online) from 01st to 5th December, 2020.
- **2019 – Trinity College, Dublin, Ireland.** Presented a research paper titled “Bacterial proxies for paleo-sea level reconstruction” at the PALSEA 2019 Workshop – “Using ecological and chronological data to improve proxy-based paleo sea level reconstructions” held at Trinity College, Dublin, Ireland from 21st to 23rd July, 2019.
- **2019 – 20th INQUA Congress, Dublin, Ireland:** Presented a research work on 'Geomolecular dating: integrating OSL chronology and Molecular dating of the Late Quaternary paleorecords from South East Coast of India" at the 20th INQUA Congress 2020. Also presented a posters on 'Bacterial palEnDNA of Pleistocene sediments reveal paleoclimate changes' and “Luminescence chronology of fluvial and marine records from subsurface cores in Kaveri delta: Implications to deltaic geomorphic evolution” at the same congress.
- **2018 – Utrecht, The Netherlands:** Presented a research paper titled “Geobiotechnological approach to evaluate bacteria as proxies for paleo-sea level reconstruction” at the INQUA and PAGES International conference for ECR – iSLR2018.
- **2017–Zaragoza, Spain:** Presented a research paper titled “Spatio-temporal Dynamics of Bacterial communities in response to marine transgressions and regressions occurred from late Pleistocene” at the 5th PAGES OSM meeting.
- **2016 – Colorado Springs, USA:** Presented a paper on “Extraction of Water from Air at Zero Energy Expenditure to Mitigate Water and Energy Crisis in India” at The Fourth Conference of the India Network for Learning, Innovation and Competence-Building Systems (IndiaLICS) Under *the theme* Innovation and Sustainability: Lessons from the

History of India and Hopes for the Future held on June 9-10, 2016 at Colorado College, Colorado Springs, Colorado USA.

- **2015 - Nagoya, Japan:** Presented a paper at the XIX INQUA Congress under the theme Quaternary Perspectives on Climate Change, Natural Hazards and Civilization held on 26 July - 2 August, 2015, in Nagoya, Japan.
- **2014 - Antalya, Turkey:** Presented a research paper titled “Coupled Advanced Oxidation and Biological Processes for Textile Waste Water Treatment” The Third International Conference on Water Resources and Environmental Management (ICWRE-2014) held between 13 and 15 May 2014 at Antalya, Turkey.
- **2013 - Geneva, Switzerland:** Presented a paper on “Biological Treatment of Textile Effluent and its Re-use in Irrigation: Encouraging Water Efficiency and Sustainable Development” The Second International Conference on Water Resources and Environmental Management Water/Food/Energy Security and Climate Change held on 09th -11th April 2013, Geneva, Switzerland.
- **2009 - Helsinki, Finland:** Presented a research paper at the 6th International Symposium on Ecosystem Behavior (BIOGEOMON 2009) held at Helsinki, Finland, and organized by the University of Helsinki and Finnish Forest research Institute, Finland.

INTERNATIONAL TRAVEL SUPPORT RECEIVED FROM GOVERNMENT AGENCIES

- **SERB INTERNATIONAL TRAVEL SUPPORT – 2018;** Utrecht, The Netherlands.
- **DST INTERNATIONAL TRAVEL SUPPORT – 2017;** Zaragoza, SPAIN. Surrendered, Did Not Avail, Due to support given by Organizers (PAGES).
- **UGC INTERNATIONAL TRAVEL SUPPORT – 2016;** COLORADO, USA.
- **TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY INTERNATIONAL TRAVEL SUPPORT - 2015;** Surrendered, Did not avail, due to support given by organizers and my parent institution; Nagoya, Japan.
- **UGC INTERNATIONAL TRAVEL SUPPORT – 2014;** Surrendered, Did Not Avail, Due to support given by Organizers; Antalya, Turkey.
- **DST INTERNATIONAL TRAVEL SUPPORT – 2013;** GENEVA, SWITZERLAND.
- **DBT INTERNATIONAL TRAVEL SUPPORT - 2013;** Surrendered, Did Not Avail, Due to support given by DST for the same event:

- **DBT INTERNATIONAL TRAVEL SUPPORT - 2012**; DUBLIN, IRELAND. Surrendered & Did Not Avail.

NATIONAL HONOURS/ AWARDS

- **Tamil Nadu State Council Young Scientist Fellowship (Govt of Tamil Nadu).**
- **SERB (Govt of India), Young Scientist Award.**
- **2020 – Recipient of “Dr.APJ Abdul Kalam award for Scientific Excellence – 2020”** from the Marina Labs®, Chennai for the contribution in the World Water Challenge 2020 organized by the Korean Water Forum.
- **2020 – Recipient of “Young Achiever Award -2020”** from the Institute of Scholars®, Bangalore for the contributions made in INQUA 2019 Congress held at Dublin.
- **2019 - Selected as a Member of ECR team for the Association of Quaternary Researchers (AoQR)**, a registered national association with head office at Birbal Sahni Institute of Palaeosciences, Lucknow
- **2018 - Received BEST PRESENTATION AWARD** at the “International Conference on Biodiversity and Sustainable Resource Management (ICBSRM2018) organized by the Centre for Environmental Studies and Centre for Water Resource Management, University of Madras, Chennai, India on 12-13 March 2018.
- **2018 - Won best presentation award** at the “International Seminar on Novel Avenues in Environmental Issues and Applications” organized by the School of Biosciences, Marudupandiyar College, Thanjavur in February 2018.
- **2018 - Won BEST PAPER AWARD** at the “National Seminar on Contemporary Advances in Biotechnology (NSCAB- January 2018), organized by the department of Biotechnology, Mahendra Arts and Science College (Autonomous), Tiruchengode.
- **2017 - “Best ORAL Presentation Award”** at the International Seminar on Biology for Sustainable Environment (ISBSE 2017) organized by the School of Environmental Sciences, Bharathidasan University, Tamil Nadu held from 7th to 8th March, 2017.
- **2017 - “Best ORAL Presentation Award”** at the National Conference on Geology: Emerging Methods and Applications (GEM 2017) organized by the Department of Geology, Christ College, Thrissur, Kerala held from 6th to 8th Feb, 2017. Have also won **BEST POSTER PRESENTATION** award at the same conference.

- **2016 - “Best Presentation Award” at the International Conference** on “Food, Energy and Water Microbiology” organized by the Department of Microbiology, Periyar University, Salem, Tamil Nadu held from 21st to 23rd December, 2016.
- **2014 - “Best presentation Award” at the National Conference** on “Mathematical Modelling in Molecular Cell Biology” sponsored by Department of Atomic Energy, Govt. of India, organized by the departments of Mathematics and Biotechnology, Bon Secours College for Women, Thanjavur, Tamil Nadu, India held from 3rd to 4th March, 2014.

RESEARCH PUBLICATIONS

SELECTED LIST OF LAST FIVE YEARS:

1. Shantkriti Srinivasan, **Senthil Kumar Sadasivam. (2021)**. Biodegradation of textile azo dyes by textile effluent non-adapted and adapted *Aeromonas hydrophila*. Environmental Research. 194 (2021) 110643. **(IF 6.4)**
2. Sheela Thangaraj, Paul Olusegun Bankole, **Senthil Kumar Sadasivam. (2021)** Microbial degradation of azo dyes by textile effluent adapted, *Enterobacter hormaechei* under microaerophilic condition. Microbiological Research. 250 (2021) 126805. **(IF 5.4)**
3. Muruganandham Thanavel, Paul Olusegun Bankole, Ramu Selvam, Sanjay Prabhu Govindwar & **Senthil Kumar Sadasivam . (2020)**. Synergistic effect of biological and advanced oxidation process treatment in the biodegradation of Remazol yellow RR dye. Scientific Reports. (2020) 10:20234. **(IF -4.3)**
4. Shantkriti Srinivasan, **Senthil Kumar Sadasivam**, Seshan Gunalan, Gnanendra. Shanmugam, Gugan Kothandan. **(2019)**. Application of docking and active site analysis for enzyme linked biodegradation of textile dyes. Environmental Pollution.DOI: 10.1016/j.envpol.2019.02.080. **(IF-8.0)**
5. Shan P. Thomas, Bhavatharini Shanmuganathan, Manoj Kumar Jaiswal, Anbarasu Kumaresan, **Senthil Kumar Sadasivam. (2019)**. Legacy of a Pleistocene bacterial community: Patterns in community dynamics through changing ecosystems. Microbiological Research. 226: 65–73. <https://doi.org/10.1016/j.micres.2019.06.001>. **(IF-5.4)**
6. M.K.Ramkumar, **S. Senthil Kumar**, Kishor Gaikwad, Rakesh Pandey,Viswanathan Chinnusamy, Nagendra Kumar Singh, Ashok Kumar Singh, Trilochan Mohapatra and Amitha Mithra Sevanti. **(2019)**. A Novel Stay-Green Mutant of Rice with Delayed Leaf Senescence and Better Harvest Index Confers Drought Tolerance. Plants. 8: 375. Doi: 10.3390/plants8100375. **(IF-2.6)**

7. Kartika goswami, Sivakumar Krishnan, Anbarasu Kumerasan, **Senthil Kumar Sadasivam**, Pankaj Kumar and Manoj. K. Jaiswal. (2019). Luminescence chronology of fluvial and marine records from subsurface core in Kaveri delta, Tamil Nadu: Implications to sea level fluctuations. *Geochronometria*. DOI 10.1515/geochr-2015-0112. (IF-1.2)
8. Muruganandham Thanavel, Paul O. Bankole, Suhas Kadam, Sanjay P. Govindwar, **Senthil Kumar Sadasivam**. (2019). Desulfonation of the textile azo dye Acid Fast Yellow MR by newly isolated *Aeromonas hydrophila* SK16. *Water Resources and Industry*. 22: 100116. <https://doi.org/10.1016/j.wri.2019.100116>.
9. Janani Seralathan and **Senthil Kumar Sadasivam**. (2018). Performance analysis of different textile effluent treatment processes involving marine diatom *Odontella aurita*. *Environment Technology and Innovation*, 11, 153 -164. (IF-5.2)
10. Shan P. Thomas, Bhavatharini Shanmuganathan, Sivakumar Krishnan, Kartika Goswami, Maha Dev, Manoj Kumar Jaiswal, Anbarasu Kumaresan and **Senthil Kumar Sadasivam**. (2018). Metabarcoding of PalEnDNA as An Efficient Tool to Recover Ancient Bacterial Diversity, *Geomicrobiology Journal*, <https://doi.org/10.1080/01490451.2018.1474507> (IF-1.7).
11. Muruganandham Thanavel, Suhas K. Kadam, Shivtej P. Biradar, Sanjay P. Govindwar, Byong Hun Jeon, **Senthil Kumar Sadasivam**. (2018). Combined biological and advanced oxidation process for decolorization of textile dyes. *Springer Nature Applied Sciences*. <https://doi.org/10.1007/s42452-018-0111-y>.
12. S. Roshitha, V. Mithra, V. Saravannan, **S. Senthil Kumar**, M. Gnanadesigan. (2018). Photocatalytic degradation of methylene blue and safranin dyes using chitosan zinc oxide nano-beads with *Musa paradisiaca* L.pseudo stem. *Bioresource Technology Reports*. doi:10.1016/j.biteb.2018.08.004.
13. Shantkriti Srinivasan, **Senthil Kumar Sadasivam**. (2018). Exploring docking and aerobic-microaerophilic biodegradation of textile azo dye by bacterial systems. *Journal of Water Process Engineering*. 22, 180–191. (IF-5.4)
14. Janani, S, Asaraf Ali, A.S, Harshini, S. M, Deivasigamani, B, Sampathkumar, P, **Senthil Kumar, S**. (2017). Evaluation of toxicity reduction in textile effluent by different treatment protocols involving marine diatom *Odontella aurita* on freshwater fish *Labeo rohita*. *Journal of Water Process Engineering*, 20, 232–242. (IF-5.4)
15. Shantkriti Srinivasan, Gnanendra Shanmugam, Swati V. Surwase, Jyoti P. Jadhav, **Senthil K. Sadasivam**. (2017). In Silico Analysis of Bacterial Systems for Textile Azo Dye Decolorization and Affirmation with Wet lab Studies. *CLEAN Soil Air Water*, 45 (9), 1-16. (IF-1.6)

16. **S.Senthil Kumar**, T. Muruganandham, S. Ramu, S. Kaushik, R. Raja. (2017). Combined Biological and Advanced Oxidation Process for the treatment of textile dye containing wastewater. *International Journal of Science and Engineering Investigations*. 6 (60): 92 - 97. (IF-1.1)
17. **S. Senthil Kumar**, S. Shantkriti, T. Muruganandham, E. Muruges, Niraj Rane, S.P. Govindwar. (2016). Bioinformatics aided microbial approach for bioremediation of wastewater containing textile dyes. *Ecological Informatics*, 31, 112–121. (IF-3.1).

BOOK PUBLISHED THROUGH AN INTERNATIONAL PUBLISHER

Title : **Bioremediation of textile dyes and effluent: Evaluation in crop plants**
Publisher : **LAP LAMBRET Academic Publishing GmbH & Co. KG, Dudweiler Landstr. 99, 66123, Saarbrücken, Germany.**
Author : **S. Senthil Kumar**
ISBN no : **978-3-8433-7885-7**
Selling Price : **79.00 Euros**
No of Pages : **208**
Year of Publishing: **2010**

BOOKS PUBLISHED (NATIONAL)

- a) Title : **IPR, Biosafety and Biotechnology Management**
Publisher : **Jasen Publications, India.**
Author : **S. Senthil Kumar and M.S. Mohamed Jaabir**
ISBN no : **9788190894203**
Selling Price : **INR 300/-**
Year of Publishing: **2009**

This book is being prescribed as the reference book for B.Sc., M.Sc., Biotechnology and M.Sc., Gene Technology program of affiliated Colleges of Bharathidasan University, Tiruchirappalli.

- b) **Laboratory Manual for Animal Cell Culture Techniques** (2008), Jasen Publications, Tiruchirappalli, Tamil Nadu, India.

BOOK CHAPTER

- Heavy metal pollution: An insight towards its infiltration, impact and remediation, 2020, *Environmental Microbiology and Biotechnology*, ISBN 978-981-15-6020-0 (SPRINGER)
- Decolorization of Reactive Blue using a novel isolate – *Bacillus firmus SK20*. Current Scenario in Microbial Biotechnology, 2009. Excel India Publishers, New Delhi, India. Pp. 349-355, ISBN: 978-93-80043-97-5.

CD/AUDIO VISUALS

- **Biotechnology: Today and Tomorrow (2007).** An electronic media (DVD) as an eye-opener for the aspirants of Biotechnology, to realize the potential of Biotechnological Research.

PAPERS PRESENTED IN SEMINARS/CONFERENCES

60; International: 20; National: 40

COUNTRIES VISITED (Official alone)

Ireland (2019);
The Netherlands (2018);
Denmark (2018)
Spain (2017);
Italy (2017);
United Kingdom (2017);
United States of America (2016);
Japan (2015);
Malaysia (2015, 2017);
Turkey (2014);
Switzerland (2013);
France (2013, 2017);
Finland (2009);
Germany (2009);
United Arab Emirates (2006, 2014);
Srilanka (2006, 2009);

MEMBERSHIP IN PROFESSIONAL BODIES

- **Life Member:** The Indian Science Congress, Kolkata.
- **UN Volunteer:** Registered in UN volunteers to provide humanitarian assistance and support relief and peace efforts (Since 2008).

CONTRIBUTIONS IN TEACHING, EXTENSION ACTIVITY AND PARTICIPATION IN CORPORATE LIFE

Curriculum Design: With a strong belief that the meeting of Board of Studies is holiest activity in an autonomous institution, I significantly contribute in revising and upgrading the course contents and patterns at both UG and PG levels in both Botany and Biotechnology. At times I have fought battles for this.

Teaching Methods: As I strongly agree one of the sayings of Albert Einstein –“If you can't explain it simply, you don't understand it well enough”, my teaching methods are a blend of chalk and talk, multimedia presentations, activity, discussions and debates.

Awareness creation: I engage students in talk, discussion and debate on the social relevance of day to day happenings, policies and politics to technological advancements. I often screen documentaries and especially Hollywood movies to kindle interest and scientific temper as well as to endeavour in movements of national integration and to accept the philosophy of life.

Students Evaluation: I strongly believe that after all, we are flawed human beings and there is no such thing as a Perfect student. So my evaluation methods will be necessity based and continuous with the intentions that the student doesn't lose motivation and realize that getting better is a true progress.

Student Counseling: As my life is a fusion of cloud nine moments and nightmares and having experienced in the perfect balancing of the twain made me volunteer as student counselor. I make them realize their strengths and weakness.

Community service: Have actively participated in the SCOUTS and in the Indian Red Cross activities during my student days. In the recent past (2015 to 2019) served as the co-ordinator of the Youth Red Cross unit of National College.

Enrichment of Campus life: I actively participate in all the general activities of the college. Infact I have played crucial role in the successful conduct of the many of the mile stone events in the history of the college.

I also engage myself and make me listened by the authorities concerned in launching innovative initiatives and arriving at policy decisions in and off the campus, fortunately the number of opportunities for me has grown significantly in the recent years. And the reason for ne being well-received is that the trust in me by my boss and I reciprocate it with my loyalty and put in time on the front to cultivate a bond.

- Senthil Kumar Sadasivam