Dr. V. Senthil kumar M.Sc., M.Phil., Ph.D.
No.2/14b, Periyar street,
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Tamil Nadu, India.

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Objective

To Pursue research in a highly motivating environment, which provide me an ample opportunity to learn and apply my knowledge to come out with an innovative ideas and novel products for the welfare of human being.

Personal Profile

Father's Name	**: S. Venugopal**
Age	**: 35**
Marital Status	**: Single**
Nationality	**: Indian**
Religion	**: Hindu**
Proficiency in languages	**: Tamil, English**

Work Experience

- Project Coordinator for " Establishment of SC/ST cell in Tamil Nadu State Council for Science and Technology from November 2021 – till date
- Research Officer in Pondicherry Centre for Biological Science and Educational Trust from February 2016 – October 2021.
- Junior Research Fellow in DST-SERB (Govt. of India) project entitled "Isolation and characterization of potential bacterial and fungal Cellulases and Xylanases for biobleaching and biodegradation of solid wastes" from 2013 - 2015.

Research Profile

Degree	Title	Specialization
Ph.D.	Isolation and characterization of bioactive compounds from selected endophytic fungi isolated from selected tree species	Endophytic fungal diversity, Secondary metabolite production, growth condition optimization, bioassay guided fractionation, pharmacological application (Antibacterial, anticancer, antioxidant),
M.Phil.	Studies on bioactive compounds of endophytic fungi isolated from *Andrographis paniculata* Burm .f. Nees	Endophytic fungal diversity, secondary metabolite production, Antibacterial activity

Papers Published in National/International Journals

1. Karthikeyan C, Varaprasad K, **Senthil kumar V**, Shakila S, Venkatraman B R, Rotimi S (2021). Biocidal (bacterial and cancer cells) activities of chitosan/CuO nanomaterial, synthesized *via* a green process. *Carbohydrate Polymers*, 259; 117762. **IF- 9.381**
2. Hairul Islam MI, Arokiyaraj S, Kuralarasana M, **Senthil Kumar V**, Harikrishnan P, Saravanana S, Ashok G, Chellappandian M, Bharanidharana R, Muralidaran S, Thirugnanasambanthama K (2020). Inhibitory potential of EGCG on Streptococcus mutans biofilm: A new approach to prevent Cariogenesis. *Microbial Pathogenesis,* 143, 104129. https://doi.org/10.1016/j.micpath.2020.104129. **IF- 3.68**
3. **Senthil Kumar V,** Kumaresan S, Muthu Tamizh M, Hairul Islam VI, Krishnaraj T (2019). Anticancer potential of NFkB targeting apoptotic molecule "Flavipin" isolated from endophytic *Chaetomium globosum. Phytomedicine,* Doi: https://doi.org/10.1016/j.phymed.2019.152830. **IF - 5.34**
4. Karthikeyan C, Varaprasad K, **Senthil kumar V,** Lija A, Haja Hameed A S (2019). Synergistic antibacterial effect of the Magnesium-Doped ZnO nanoparticles with Chloramphenicol. *BioNanoScience*, https://doi.org/10.1007/s12668-019-00696-y
5. **Senthil kumar V,** Karthi V, Ramkumar A, Ramesh R, Stephen A and Kumaresan S (2018). Isolation, Screening, Identification and Optimisation of Xylanase producing Bacteria from Forests of Western Ghats, India. *International Journal of Agriculture, Environment and Biotechnology*, 11(1): 173-179.
6. Hanieh H, Hairul Islam VI, Saravanan S, Chellappandian M, Ragul K, Durga A, Venugopal K, **Senthil kumar V,** Senthilkumar P, Thirugnanasambantham K (2017). Pinocembrin, a novel histidine decarboxylase inhibitor with anti- allergic potential in in vitro. *European Journal of Pharmacology*, 5 (814): 178-186. **IF – 4.432**
7. Kumaresan S, **Senthil kumar V,** Stephen A and Balakumar B S (2015). GC-MS Analysis and Pass-Assisted Prediction of Biological Activity Spectra of Extract of *Phomopsis* sp. Isolated from *Andrographis paniculata*. *World Journal of Pharmaceutical Research*, 4 (1): 1035-1053.
8. Kumaresan S, Karthi V, **Senthil kumar V**, Balakumar B S and Stephen A (2015). Biochemical Constituents and Antioxidant Potential of Endophytic Fungi isolated from the Leaves of Azadirachta indica A. Juss (Neem) from Chennai, India. *Journal of Academia and Industrial Research*, 3(8): 355.
9. Hameed A S H, Karthikeyan C, **Senthil Kumar V**, Kumaresan S and Sasikumar S (2015). Effect of Mg2+, Ca2+, Sr2+ and Ba2+Metal Ions on the Antifungal Activity of Zno Nanoparticles Tested Against *Candida albicans*. *Materials Science and Engineering* C, 52: 171–177. **IF – 7.328**
10. Gopinath K, Karthika V, Gowri S, **Senthil kumar V**, Kumaresan S, Arumugam A and (2014). Antibacterial Activity of Ruthenium Nanoparticles Synthesized Using Gloriosa superba L. Leaf Extract. *Journal of Nanostructure in Chemistry*, 4:83. **IF – 6.391**
11. Hameed A S H, Karthikeyan C, Sasikumar S, **Senthil Kumar** V, Kumaresan S and Ravi G (2013). Impact of Alkaline Metal Ions Mg2+, Ca2+, Sr2+ And Ba2+ on the Structural, Optical, Thermal and Antibacterial Properties of Zno Nanoparticles Prepared by the Co precipitation Method. *Journal of Material Chemistry* B, 1: 5950. **IF – 6.331**

Papers Presented in State/National/International conferences

1. **Senthil kumar V**, Karthi V, Ragupathi V and Kumaresan S. Antibacterial Activity of Bark Extracts of Selected Tropical Tree Species. ***National Seminar on Current Scenario of Plants as Potential Drugs,*** 2015: **pp – 30.**
2. Monjoy Kumar C, **Senthil kumar V** and Kumaresan S. Gymnemic acid and its Therapeutic Activity. ***National Seminar on Current Scenario of Plants as Potential Drugs,*** 2015: **pp – 16.**

List of Nucleotide sequences submitted in NCBI

S.No.	***Accession Number***	***Organism***
1.	KM873623	*Nigrospora sphaerica*
2.	KM873624	*Chaetomium globosum*
3.	MF939144	*Bacillus subtilis*
4.	MF939146	*B. pumilus*
5.	MF939147	*B. subtilis*
6.	MF939143	*B. aerophilus*
7.	MF939145	*B. stratosphericus*
8.	MF806597	*B. subtilis*
9.	MK358983	*Penicillium. citreonigrum*
10.	MK358981	*P. restrictum*
11.	MK358980	*Umbelopsis. isabellina*
12.	MK358979	*Aspergillus. sulpherus*
13.	MK357716	*P. canescens*
14.	MK357490	*A. niger*
15.	MK357488	*B. ochroleuca*
16.	MK355711	*P. ochrochloron*

List of Book Chapters Published

1. Thirugnanasambantham K, Hairul Islam V.I, Saravanan S, **Senthil kumar V**, Ashok G and Chellappandian M. Role of miRNAs in multiple sclerosis. In MicroRNA: Perspectives in Health and Diseases. Eds: Paul J and Muthuswami R. CRC press, USA, 2018.

2. Ganapathy Ashok, Utpal Mohan, Meganathan Boominathan, Velayutham Ravichandiran, Chandran Viswanathan, and Venugopal Senthilkumar.Chapter - Natural Pigments from Filamentous Fungi: Production and Applications; Industrially Important Fungi for Sustainable Development. Volume 2: Bioprospecting for Biomolecules

Conference /Workshop/Training Attended

- National Seminar on Current Scenario of Plants as Potential Drugs, Organized by Department of Plant Biology and Plant Biotechnology, Quaid-E-Millath College on January 2015.
- National Conference on Recent Advances in Algology, Mycology and Plant Pathology, Organized by Centre for Advanced Studies in Botany, University of Madras, on February 2014.
- National Conference on Microbiology And Biotechnology: Rising To The Challenges of Times, Organized By Department of Microbiology, Madras Christian College on February 2013.

- ❖ International Conference on Impact of Physical Sciences on Biology, Organized by PG And Research Department of Botany, Queen Mary's College on July 2011.
- ❖ Hands-on Training in The Cell, Molecular and Nano-Bio techniques, Organized by The Centre For Bioresource Research And Development, Sathybama University on April 2010
- ❖ National Seminar Cum Workshop on "Cellular Toxicity Assessment" Conducted by University of Madras, Department of Pharmacology And Environmental Toxicology Under UGC – SAP- II- DRS-II On March 2010.
- ❖ Training Program on Stem Cell & Regenerative Medicine, Conducted by Lifeline Institute of Regenerative Medicine, Lifeline Hospitals, Chennai on May 2009.
- ❖ State Level Seminar on " Plant Biotechnology - Current Trends" Conducted by Department of Plant Biology and Plant Biotechnology, Madras Christian College on February 2008.

Areas of Interest

- Microbiology (Fungal and Bacterial diversity)
- Phytochemistry (Plant and Microbial - primary and secondary metabolites)
- Nanotechnology
- Plant physiology and Molecular biology

Technical Expertise:

Microbiology: Isolation, Identification and Culture maintenance of Bacteria, Fungi and Algae. Mass cultivation of Microorganism.

Biotechnology: Fermentation techniques, Metabolite production, Isolation of secondary metabolites from plants and microbes. Purification of bioactive compounds, Pharmacological studies on the isolated compounds.

Educational Qualification

Degree	Name of the Institution	Name of the University	Period	Class obtained
Ph.D. Plant Biology & Plant Biotechnology	Ramakrishna Mission Vivekananda College, Chennai-04.	University of Madras	2011- 2016	Highly commended
M.Phil. Botany	Ramakrishna Mission Vivekananda College, Chennai-04.	University of Madras	2009 – 2010	Ist Class (60%) /Thesis Highly commended
M.Sc. Plant Biology & Plant Biotechnology	Ramakrishna Mission Vivekananda College, Chennai-04.	University of Madras	2007 – 2009	Ist class (67%)

B.Sc. Plant Biology & Plant Biotechnology	Ramakrishna Mission Vivekananda College, Chennai-04.	University of Madras	2004 – 2007	II[nd] class (57%)
H.Sc.	Velammal School	State Board	2004	I[st] Class (65%)
S.S.L.C	Velammal School	Matriculation	2002	I[st] Class (75%)

Computer Literacy

Diploma in Computer Application (DCA), MS-office

List of Potential Referees

1). Dr. S. Kumaresan Associate Professor and Head Department of Plant Biology and Plant Biotechnology Ramakrishna Mission Vivekananda College Mylapore, Chennai – 600004, Tamil Nadu, India. E.Mail: kumareshrkm@yahoo.co.in Mobile: 9445183736	**2) Dr. K. Thirugnanasambantham** Research Director Pondicherry Centre for Biological Science and Educational Trust 34/121, 5th cross, Jawahar Nagar, Pondicherry – 5, India. Email: thiru_dna@gmail.com Mobile: 9443932405
3) Dr. V. Sivasubramanian Director - Tech, Phycospectrum Environmental Research Centre 52A, A K Block, 7th Main Road, Anna Nagar, Chennai – 600040. Tamil Nadu, India. E-Mail: vsivasubramanian@gmail.com Mobile: +91 9677144453; + 91 7667133960	**4) Dr. Mohamed Ibrahim Hairul Islam** Assistant Professor Biology Department, School of Science Male Campus, King Faisal Univeraity, Hofuf P.O. Box. 380, Al-Ahsaa 31982 The Kingdom of Saudi Arabia Email: himohamed@kfu.edu.sa hairul2biot@gmail.com Mobile: 00966-559502963

Declaration

Hereby, I declare that all the information given above are true and also, I oblige that if provided an opportunity to work in your esteemed organization, I will endow the best in all the ways to fulfill the needs.

Signature

Place : Chennai, India

Dr. V. Senthil kumar