

**Dr.S.Venkatesh**  
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 Department of Biotechnology,  
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**Educational Details (Starting from Graduation onwards):**

Institution Place	University Place	Degree	Field of Study
Adithanar College of Arts and Science, Tiruchendur. Tamilnadu	Manonmaniam Sundaranar University, Tirunelveli	B.Sc	Zoology
Sri Kaliswari Collège, Sivakasi. Tamilnadu	Madurai Kamaraj University, Madurai	M.Sc	Biotechnology
Ponnaiyah Ramajayam College, Thanjavur. Tamilnadu	Dr. MGR Educational and Research Institute, Chennai	M.Phil	Bioinformatics
Bharathidasan Institute of Technology, Tiruchirappalli Tamilnadu	BIT- Campus - Anna University, Chennai	Ph.D	Biotechnology

**Research Guidance**

Research Supervision				
Degree	Total No. of students	Branch	On going	Completed
PhD	5	Biotechnology	4	1
MPhil	6	Biotechnology	-	6
MSc	29	Biotechnology	5	24
Int.MSc	13	Biotechnology	5	8

**Administrative Responsibilities**

Name of the Position	Nature of the duty	Starts from	End
Liaison Officer	IQAC, MSU	22/04/2019	Till Date
Director	Ek Bharat Shrestha Bharat, MSU	28/01/2020	Till Date
Member	Centre for Swami Vivekananda Studies	09/10/2020	Till Date
Special Officer	VC's Secretariat, MSU	01/02/2021	Till Date
Director	Facilitation cum Liaison Officer, MSU	25/11/2022	Till Date

## Position and Honors

Details of experience (Start from the most recent experience)				
Name and address of the Institution/ Organization	Post held	Period of service		Duration
Manonmaniam Sundaranar University, Tirunelveli	Assistant Professor	02/11/2016	Till date	6 years
Anna University-BIT Campus, Tiruchirappalli	Visiting Faculty	31/08/2010	31/10/2016	
Anna University-BIT Campus, Tiruchirappalli	Junior Research fellow	01/08/2008	31/08/2010	2 years
Jamal Mohamed College, Tiruchirappalli	Lecturer	01/09/2007	17/04/2008	7 months

## Research Publications: (From 2018- Till Date)

- 1000 S. Anitha & **S. Venkatesh (2018)** Antibiotics & Its Resistance – Goodbye to Antibiotics. Shanlax International Journal of Arts, Science and Humanities. 5 (6), 45-48.
- 1000 M. Krishnaveni, **S. Venkatesh, S.V Gayathri, and S. Karthik, (2019)** Evaluation of Bioactivity in Few Plants of Ethnobotanical Importance. In: Recent research in Ethnobiology and Biodiversity Conservation in India (pp151-158) Eds: Das AK et al., ISBN:978-81-936364-6-6
- 1000 **S. Venkatesh, S. Asha & M. Krishnaveni (2020)** Purification of Matrixins from Marine Cephalopod. The Protein Journal PP 1-7. **IF: 3**
- 1000 **S. Venkatesh & M. Krishnaveni (2020)** Handbook on Laboratory Techniques in Genetic Engineering. Published under PMMMNMTT Scheme.
- 1000 **Venkatesh, S., and M. Krishnaveni.** "Microbes: The Next-Generation Bioenergy Producers." *Waste to Energy: Prospects and Applications*. Springer, Singapore, 2020. 29-60.
- 1000 Santhi, Asha, **Venkatesh Subramanian**, and Krishnaveni Muthan. "Draft Genome Sequence of Bacillus pacificus KVCMS-8A-12, Isolated from a Marine Sediment Sample from the Kanyakumari Coast, India." Microbiology Resource Announcements 10.50 (2021): e01011-21. **IF: 0.89**
- 1000 Prathiba Meganathan, Sounder Subbaiah, Lakshmi Manokari Selvaraj, **Venkatesh Subramanian**, Sudhagar Pitchaimuthu & Nagarajan Srinivasan (2022) Photocatalytic self-cleaning and antibacterial activity of cotton fabric coated with polyaniline/carbon nitride composite for smart textile application, Phosphorus, Sulfur, and Silicon and the Related Elements, 197:3, 244-253, DOI: 10.1080/10426507.2021.2012779. **IF: 1.3**

- 1000 P.Merlin Sobia, M. Iyyadurai, P. Ramachandran, R. Rathika, M. Krishnaveni and S.  
1000 **Venkatesh (2022)** Mesenchymal Stem Cell (MSCs) Therapy for Ischemic Heart  
Disease: A Promising Frontier. *Global Heart Mesenchymal Stem Cell (MSCs) Therapy*  
for Ischemic Heart Disease: A Promising Frontier. *Global Heart* 17(1):19 DOI:  
10.5334/gh.1098. **IF: 3.7**
- 1000 Krishnaveni, M., & Venkatesh, S. (2022). RNA enigma:“From origin of life to novel  
Coronavirus-COVID-19”. *Saudi Journal of Biological Sciences*, 103331. **IF: 4.4**
- 1000 Muthan, K., Poomani, M.S., Mariappan, I., **Subramanian, V.** (2022). Biobutanol for  
Biofuel: Technologies and Commercial Approach. In: Kothari, R., Singh, A., Arora, N.K.  
(eds) *Biomass, Bioenergy & Bioeconomy. Microorganisms for Sustainability*, vol 35.  
Springer, Singapore. [https://doi.org/10.1007/978-981-19-2912-0\\_8](https://doi.org/10.1007/978-981-19-2912-0_8)
- 1000 Poomani, M. S., Mariappan, I., Muthan, K., & **Subramanian, V.** (2023). A  
thermotolerant yeast from cow's rumen utilize lignocellulosic biomass from wheat straw  
for xylanase production and fermentation to ethanol. *Biocatalysis and Agricultural*  
*Biotechnology*, 102741. **IF: 4.0**
- 1000 Meganathan, P., Selvaraj, L. M., Subbaiah, S., **Subramanian, V.**, Pitchaimuthu, S., &  
Srinivasan, N. (2023). A synergistic self-cleaning and antibacterial studies of  
photocatalytic carbon nitride/polypyrrole coated cotton fabrics for smart textile  
application. *Cellulose*, 1-20. **IF: 5.7**
- 1000 Merlin Sobia Poomani, Senolin Bindhia James, Krishnaveni Muthan, **Venkatesh**  
**Subramanian.** (2024) Unravelling Yeast Cellulase Potential: A Computational Approach  
to Structural Study, Cellulolytic Activity, and Docking. *Journal of Molecular structure*,  
Elsevier. **IF: 3.8**
- 1000 Merlin Sobia Poomani, Varshini Radhakrishnan, Senolin Bindhia James, Krishnaveni  
Muthan, **Venkatesh Subramanian.** (2024) “Therapeutic potential of Mesenchymal stem  
cells and their mechanisms of regeneration for cardiac diseases. *Brain & Heart* 2024, 2(1),  
2065 <https://doi.org/10.36922/bh.2065>. ACC Science Publishing.
- 1000 Merlin Sobia Poomani, Rathika Regurajan, Ramachandran Perumal, Aravindhakshan  
Ramachandran, Iyyadurai Mariappan, Krishnaveni Muthan, **Venkatesh Subramanian.**  
Differentiation of placenta-derived MSCs cultured in human platelet lysate: a xenofree  
supplement. *3 Biotech* 14, 116 (2024). <https://doi.org/10.1007/s13205-024-03966-z>.  
Springer. **IF: 2.8**
- 1000 Merlin Sobia Poomani, Iyyadurai Mariappan, Krishnaveni Muthan, **Venkatesh**  
**Subramanian.** Insights of *Pichia Kudriavzevii* SVMS2019 for Cellulase Production and

Fermentation into Ethanol. Renewable energy journal,  
<https://doi.org/10.1016/j.renene.2024.120296> Elsevier. **IF: 9**

Iyyadurai Mariappan, Rajkumar Prabhakaran, Vivekanand, Vivekanand, Merlin Sobia Poomani, Krishnaveni Muthan, Sivanesan Dhandayuthapani, Sivabalan Sivasamy, Rathika Regurajan, **Venkatesh Subramanian**. Exploring cutting-edge approaches in anaerobic digestion and anaerobic digestate management. ChemBioEng Reviews, <http://doi.org/10.1002/cben.202300063>, Wiley. **IF: 6.2**

### Papers under communication:

- Iyyadurai Mariappan, Merlin Sobia Poomani, Vivekanand Vivekanand, Anita Singh, Krishnaveni muthan, **Venkatesh Subramanian**. Unlocking Biocatalytic Potential: Statistical Optimization for Elevated Lignin Peroxidase and Laccase Enzyme Production in *Preistia megaterium* SVID2. *Biocatalysis and Agricultural Biotechnology*. **IF: 4.0**
- Iyyadurai Mariappan, Merlin Sobia Poomani, Krishnaveni muthan, **Venkatesh Subramanian**. Optimization of fermentation conditions for the production of bioethanol utilizing recently discovered ethanologenic bacteria. Renewable energy journal, Elsevier. **IF: 9**
- Merlin Sobia Poomani, Iyyadurai Mariappan, Karthik Balasubramanian, Krishnaveni Muthan, **Venkatesh Subramanian**. Optimizing fermentation conditions and enzymatic efficiency for lignocellulosic ethanol production using *Pichia kudriavzevii* SVMS2019, Biomass Conversion and Biorefinery, Springer Nature. **IF: 4.0**

### Life Member in Professional Societies-

- Biotech Research Society of India, India
- Indian Academy of Sciences, India
- Society for Applied Biotechnology
- Association of Microbiologists of India

Dr. VENKATESH. S