



**Name:** Dr. M. Senthil Kumar

**Designation:** Assistant Professor & Head

**Qualifications:** M.Sc., M.Phil., Ph.D

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### ***Educational Qualification***

- Ph.D(in Plant Biotechnology) from the Department of Enviromental Studies, Visva-Bharati
- M.Phil from the Department of Botany, Annamalai University.
- M.Sc. from the Department of Botany, St. Joseph's College, Trichy.
- B.Sc. from the Department of Botany, A.A.G.A College, Namakkal.

### ***Professional Qualification***

- Post-Doctoral Research (ongoing) from the Department of Enviromental Studies, Visva-Bharati.
- TARE Award (2018) from the Department of Science and Technology, Delhi.
- Project fellow (UGC Major Project) – 2010 to 2013.

### ***Areas of specialization***

- Plant Tissue culture & Phytochemistry
- Ethnobotany

### ***Teaching Experiences***

- Assistant Professor & Head from 2014 to 2015 and Assistant professor from 2018 and Head (2020 to till date) in the Department of Biotechnology, St. Xavier's College, Burdwan.
- Assistant Professor from 2015 to 2016 in the Department of Botany, Vivekanandha College of Arts and Science, Tiruchengode.

### ***Publications in peer- reviewed journals & Books***

- A.B.A. Ahamed, M. Adel, A. Talati, **M. S. Kumar**, K. Abdulrahim, M.M. Abdulhameed (2017), "Seaweed Polysaccharides and their production and applications" Sea weed polysaccharides-Isolation, Biological and Biomedical Applications (Edited by Venkatesan et al.), Pp.369-382, Published by Elsevier, Print Book & E-Book-ISBN: 9780128098165, 9780128098172.
  - **M.S. Kumar** and S.C.Nandi (2015), "High frequency plant regeneration with histological analysis of organogenic callus from internode explants of *Asteracanthalongifolia* Nees" *Journal of Genetic Engineering and Biotechnology*(2015), Volume: 13 Pp. 31-37, Published by Elsevier, ISSN:1687-157X.
  - **M. S. Kumar**, S. Balachandran and S. Chaudhury (2014), "In vitro callus culture of *Heliotropium indicum* Linn. for assessment of total phenolic and flavonoid content and antioxidant activity" *Applied Biochemistry and Biotechnology*.(2014), Volume: 174(8):2897-909, Published by Springer, ISSN: 02732289.
  - **M. S. Kumar**, S. Balachandran and S. Chaudhury(2012), Influence of incubation temperature on total phenolic, flavonoids content and free radical scavenging activity of callus from *Heliotropium indicum* L., *Asian Journal of Pharmaceutical Research*, Volume: 2 (4) Pp. 148-152, Published by A and V Publication, ISSN: 2231-5683.
  - **M. S. Kumar**, S. Balachandran and S. Chaudhury (2009), *In vitro* Micropropagation of *Oxystelma esculentum* R. Br. – A medicinal herb, *International Journal of Biotechnology and Biochemistry* (2009), Volume: 5, Pp. 147-256, Published by Research India Publications, ISSN: 0972-5849.
  - **M. S. Kumar** and M. V. Rao (2007), *In vitro* Micropropagation of *Heliotropium Indicum* L., An ayurvedic herb, *Indian Journal of Plant Biotechnology* (2007), Volume: 6, Pp. 245-249, Published by CSIR-NISCAIR, ISSN: 0972-5849.
  - **M. S. Kumar** and M. V. Rao (2007), *In vitro* Propagation of *Heliotropium Indicum* Linn. A widely used Ayurvedic herb, *Advances in Medicinal Plants* (2007) (Edited by Janardhan Reddy K et al.) Pp. 201-205, Published by **University Press**, ISBN: 8173715882.
- ❖ **National and International conferences/Seminars/Symposia attended and presented research paper** - Total No: 12