

CURRICULUM VITAE

G.PREMKUMAR M.Sc., M.Phil.,

Assistant Professor

Department of Botany

V.H.N.Senthikumara Nadar College

(Autonomous)

Virudhunagar – 626 001

EXPERIENCE

Research: 17Years

Teaching: 16 years

Currently working as a **Assitant Professor** in the Research Dept. of Botany, VHNSN College(Autonomous) , Virudhunagar.

ACADEMIC QUALIFICATIONS

S.No	Board / Degree	Year of Passing	Institution where studied
1	SSLC (State Board)	1993	K.V.S Hr.Sec. School, Virudhunagar
2.	HSC (State Board)	1995	K.V.S Hr.Sec. School, Virudhunagar
3	B.Sc Botany	1998	V.H.N.Senthikumara.Nadar College
4.	M.Sc Botany	2000	V.H.N.Senthikumara.Nadar College
5.	M.Phil Botany	2001	V.H.N.Senthikumara.Nadar College
6	Ph.D – Botany Title: <i>In vitro</i> propagation of some medicinal plants for secondary metabolites	2013	V.H.N.Senthikumara.Nadar College

RESEARCH PROJECTS

UGC – project entitled “In vitro propagation of some medicinal plant for secondary metabolites production” (2009 – 2011)

PUBLICATIONS

➤ **Book**

Title : Proceedings of National Seminar on “Recent Advance in Plant Biology”

Authors : K. Rajarathinam, M.Jayabalan, **G. Prem kumar** and M.Jayakumar

Year : 2007

➤ **PAPERS PUBLISHED:**

Jayabalan. M, D.Kannan, S.Padmavathi, **G.Premkumar** and K.Rajarathinam 2001: Effect of tannery effluent of percentage speed Germination index of seeds of paddy ADT – 36. *J.Industrial Pollution Control* 17 pp 216 – 221.

Augustus G.D.P.S., M.Jayakumar, M.Jayabalan, **G.Prem kumar** and K.Rajarathinam 2004: Analytical and spectroscopical studies on botonocontents screened from plants of Western Ghats, Tamil Nadu, India. *Asian J. of Spectroscopic* 8: pp 15-21

Karuppanapandian,T, Pritam Bala sinha, A.Kamarul Haniya, **G.Prem Kumar** and K.Manoharan 2006: Aluminum-induced changes in Antioxidative Enzyme activities, Hydrogen peroxide content and cell wall peroxidase activity in green gram (*Vigna radiate* L.cv Wilczek) Roots. *J.Plant Biol.* 33(3) pp 241 – 246.

Karuppanapandian,T, Pritam Bala sinha, **G.Prem Kumar** and K.Manoharan 2006: Chromium Toxicity: Correlated with increased in degradation of photosynthetic pigments and total soluble protein and increased peroxidase activity in green gram (*Vigna radiate* L. cv Wilczek) Seedlings. *J.Swamy Bot* – 23: pp 117 – 122

Premkumar G, Sankaranarayanan. R, Jeeva.S, Rajarathinam. K 2011: Cytokinin induced shoot regeneration and flowering of *Scoparia dulcis* L. (Scrophulariaceae)-an ethnomedicinal herb. *Asian Pacific Journal of Tropical Biomedicine* 1(3) pp 169-172.

Premkumar.G, Arumugam.N, Muthuramkumar.S, Varatharaju.G, Rajarathinam.K 2013 Improved Micropropagation in *Hybanthus enneaspermus* L. *Muell.* *American Journal of Plant Sciences*, 2013, 4, 1169-1172.

Packiaraj, R., Jeyakumar S., Ayyappan, N., Adhirajan, N., Premkumar, G., Rajarathinam, K. and Muthuramkumar, S. (2016) Antimicrobial and cytotoxic activities of endophytic fungus *Colletotrichum gloeosporioides* isolated from endemic tree *Cinnamomum malabattrum* *Studies in Fungi* 1 (1): 104–113.

Premkumar G, Muthuramkumar S, Kannan M, Varatharaju G, Rajarathinam K (2018) Cellulase and Xylanase Production by *Pleurotus* sp. on Mixed Substrate System. *J Biotechnol Biomater* 8: 283. doi: 10.4172/2155-952X.1000283

Premkumar, G., Karuppanapandian, T., Sureshpandian, C. et al. Optimization of a Liquid Culture System for Shoot Regeneration and Achieving an Enriched Level of Scopadulcic Acid B in the Leaf Organ Cultures of *Scoparia dulcis* L. by Response Surface Methodology. *In Vitro Cell.Dev.Biol.-Plant* 56, 60–71 (2020). <https://doi.org/10.1007/s11627-019-10037-z>

Susithra, K., Badri.K, Ramesh, U., **Premkumar.G** Kannan, M., Varatharaju.G, & Rajarathinam, K. Statistical optimization of poly-β-hydroxybutyrate biosynthesis using the spent mushroom substrate by *Bacillus tequilensis* PSR-2. (2021), *Journal of Waste and Biomass Valorization*. <https://doi.org/10.1007/s12649-021-01460-8>.

➤ **Fellowship:**

Tamilnadu State Council for Science and Technology - **Young Scientist Fellowship** - 2011 & 2017

➤ **Positions held**

NCC – **Caretaker** From July 2015 to June 2017.

Serving as **warden** for College hostel June 2015 to May 2017

➤ **Sequence Submission in GenBank, NCBI:**

- GenBank Accession Number: MK334038 - *Bacillus subtilis* strain PSR1 16S ribosomal RNA gene, partial sequence
- GenBank Accession Number: MK346333 - *Bacillus tequilensis* strain PSR2 16S ribosomal RNA gene, partial sequence

I hereby confirm that the information provided above is true to the best of my knowledge.

G.PREM KUMAR