

Dr. Sreedhar R. V.

Senior Scientist

Plant Cell Biotechnology Department

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Education:

Ph.D. (Biotechnology) from CSIR-CFTRI, Mysuru

M.Sc. (Agri.) from University of Agricultural Sciences, Dharwad

B.Sc. (Agri.) from University of Agricultural Sciences, Bengaluru

Work experience:

2010-2012: Scientist at CSIR- Central Institute of Medicinal and Aromatic Plants RC, Bengaluru

2012-till date: Scientist/Senior Scientist at CSIR-Central Food Technological Research Institute, Mysuru

Research interest:

Exploring novel sources of nutraceutically important Omega-3 fatty acids and utilization in development of food supplements.

Unraveling lipid biosynthetic pathways in newer sources of Omega-3 fatty acids through transcriptomic and lipidomic approaches and characterization of genes involved.

Biotechnological production of specialty compounds through plant tissue culture.

Conducting extension activities for dissemination of technologies developed by CSIR-CFTRI among farmers and entrepreneurs.

Google Scholar profile:https://scholar.google.com/citations?hl=en&user=P_UXj_wAAAAJ&view_op=list_works&sort_by=pubdate**Professional Recognition/ Awards received**

S. No.	Name of Award	Awarding Agency	Year
1.	National Technology Day Award	CSIR-Central Food Technological Research Institute, Mysuru	2017
2.	Annual Institutional Award for Societal contribution	CSIR-Central Food Technological Research Institute, Mysuru	2015

Recent Publications:

Sl. No.	Author(s)	Title	Name of Journal	Vol./Page/Year
1.	P Prasad, Anjali P, RV Sreedhar	Plant-based stearidonic acid as sustainable source of omega-3 fatty acid with functional outcomes on human health	Critical Reviews in Food Science and Nutrition	In press, 1-13 2020
2.	P Prasad, RV Sreedhar	Identification and functional characterization of <i>Buglossoides arvensis</i> microsomal fatty acid desaturation pathway genes involved in polyunsaturated fatty acid synthesis in seeds	Journal of Biotechnology	380 130-140 2020
3.	P Prasad, S Savyasachi, LPA Reddy, RV Sreedhar	Physico-chemical Characterization, Profiling of Total Lipids and Triacylglycerol Molecular Species of Omega-3 Fatty Acid Rich <i>B. arvensis</i> Seed Oil from India	Journal of Oleo Science	68(3) 209-223 2019
4.	RV Sreedhar , P Prasad, LPA Reddy, R Rajasekharan, M Srinivasan	Unravelling a stearidonic acid-rich triacylglycerol biosynthetic pathway in the developing seeds of <i>Buglossoides arvensis</i> : A transcriptomic landscape	Scientific Reports	7(1) 10473 2017
5.	AK Mathur, A Prasad, KS Yadav, NP Yadav, A Mathur, RV Sreedhar , Raj K Lal	Biomass and centellosides production in two elite <i>Centella asiatica</i> germplasms from India in response to seasonal variation	Industrial Crops and Products	94 711-720 2016
6.	RV Sreedhar , P Kumari, SD Rupwate, R Rajasekharan, M Srinivasan	Exploring triacylglycerol biosynthetic pathway in developing seeds of Chia (<i>Salvia hispanica</i> L.): a transcriptomic approach	PLoS One	10(4) e0123580 2015