Department of Chemistry

Dr.Vishnu V R

DETAILED FACULTY BIODATA		
Sl No	**Name**	**Dr. Vishnu V R**
1.	**Designation**	**Assistant Professor on contract**
2.	**Department**	**Chemistry**
3.	**Contacts Numbers**	**8848651031**
4.	**Email**	**Vishnuvr1169@gmail.com**
5.	**Date of Entry into service**	**04/09/2023**
6.	**Educational Qualifications**	**M.Sc, NET, GATE, Ph.D**
7.	**Areas of Interest/Specialisation**	Organic chemistry, Inorganic Chemistry
8.	**Courses/subject Taught**	**Chemistry**
9.	**Field of Research**	**Natural product Chemistry**
10.	**Guideship Details**	**Nil**
11	**Experience**	**3 years**
12.	**Memberships in Learned Bodies/Societies, If any**	NIL
13.	**Scholarship/Fellowships obtained**	ICAR-SRF
16.	**Orientation courses Attended**	NIL
17.	**Refresher Courses Attended**	NIL
18.	**Seminars/workshops/Trainings organized**	NIL

19.	**Seminars/Conferences Attended**	**Attended 3 National Seminars and 3 International Seminars.** 1) Vishnu V R., Jyothi A N. Studies on chemical structure and structure-activity relationship of anthocyanins in purple sweet potato and greater yam. Online presentation in Prof. Dr. Hisham Endowment award conducted by Kerala Academy of Sciences. 10th August 2020. 2) Vishnu V R., Shirly Raichal Anil and Jyothi A. N. Structure and in vitro antimetastasis activity of sweet potato (Ipomoea batatas) leaf anthocyanins against breast cancer. Paper presented in International conference on Advances in Degenerative Diseases and Molecular Interventions (ADDMI)., Thiruvananthapuram during 23-24 November 2017. 3) Vishnu V R., Renjith R S and Jyothi A. N. Anthocyanins from purple fleshed greater yam (Dioscorea alata) structure and in vitro anti-cancer studies. Paper presented in National seminar on Swadeshi science congress., Kochi during 7- 9, November 2016. 4) Vishnu V R., Renjith R S and Jyothi A. N. Phytochemical analysis of phenolics and terpenoids in chinese potato (Plectranthus rotundifolius). Paper presented in the National seminar on tropical tuber crops for the sustenance and welfare of tribal communities (NCTTC), at ICAR-CTCRI, Sreekariyam during 20-22 October 2016. 5) Vishnu V R., Renjith R S and Jyothi A. N. A Comparative study on anthocyanins isolated from purple leaves and purple fleshed tubers of sweet potato (Ipomoea batatas) November 2014. Paper presented in International symposium on phytochemistry, Kozhikode on 27 th February 2016
20.	**Workshops/Trainings/Short term courses/Professional Development Courses Attended**	NIL

		NIL
21.	**Academic Responsibilities Undertaken**	

List out Publications and Presentaions

Papers Published in International Journals

1) Vishnu, V. R., Renjith, R. S., Mukherjee, A., Anil, S. R., Sreekumar, J., & Jyothi, A. N. (2019). Comparative Study on the Chemical Structure and In Vitro Antiproliferative Activity of Anthocyanins in Purple Root Tubers and Leaves of Sweet Potato (Ipomoea batatas). Journal of Agricultural and Food Chemistry, 67(9), 2467–2475. https://doi.org/10.1021/acs.jafc.8b05473

2) Athira, G. K., Jyothi, A. N., & Vishnu, V. R. (2018). Water Soluble Octenyl Succinylated Cassava Starch-Curcumin Nanoformulation With Enhanced Bioavailability and Anticancer Potential. Starch - Stärke, 70(7–8), 1700178. https://doi.org/10.1002/star.201700178

3) Tadigiri, S.; Das, D.; RC, Allen.; V R, Vishnu.; SS, Veena.; S, Karthikeyan. Isolation and Characterization of Chemical Constituents from B. Amyloliquefaciens and their Nematicidal Activity J. Entomol. Zool. Stud. 2020, 8(4) (July), 136–140.

4) Aswathy B Nair, S. S. Veena, M. N. Sheela, S. Karthikeyan, G. L. Sreelatha. and V. R. Vishnu. Microbial Diversity in Rhizosphere Soils of Tropical Tuber Crops: Utilization for Pathogen Suppression and Growth Promotion. J. Root Crop. 2019,45 (1), 53–63.

5) V.R. Vishnu, A. N. Jyothi, M. N. Sheela and J. Sreekumar. Identification of anthocyanins in a purple yam (Dioscorea alata) accession and their in vitro antiproliferative activity. J. Plant Biochem. Biotechnol. (2023). https://doi.org/10.1007/s13562-023-00828-2.