



VIJETHA K

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T.Q-Puttur, D.K, Karnataka Pin:574202
(English, Kannada, Hindi &Tulu)

Education

**M.Sc. Organic Chemistry,
60 % (2015)**

Alva's College affiliated with
Mangalore University.

**B.Sc. (Physics, Chemistry, Maths)
66.6 % (2013)**

S.D.M. Degree college, Ujire.

PUC 54.17% (2010)

Govt PU College, Punjalkatte

SSLC 70.08% (2008)

S.D.M. School, Ujire

Additional qualification:

**Diploma in Computer Application
(DCA),82% (6Month)**

Manipal Institute of Computer
Education (MICE)

**Advanced Tally ERP 9.0, CGPA: A
(1 Month) HI TECH Computer**

Skills

- HPLC (waters ACQUITY
ARC-Empower Software)
- UV-Visible Spectroscopy
- FTIR Spectroscopy
- MP-AES Spectroscopy
- TOC for Water
- Karl Fischer Titration
- Polarimeter
- pH & Conductivity Meter
- Viscometer
- Microwave Digestion
System
- Kjeldahl Nitrogen & Protein
Analyzer
- Soxhlet Extraction
- LIMS, SAP, ERP and E-Office
Software
- SOP, COP&MOA
Documentation
- cGLP&GDP Practices

Professional Summary

Chemist and Soil Science Young Professional-II with over 8 years of experience in pharmaceutical quality control, analytical chemistry, and agricultural research. Experienced in laboratory analysis, advanced analytical instrumentation, soil and plant nutrient analysis, fertilizer evaluation, and quality management systems. Currently working as Young Professional-II (Soil Science) at ICAR-Directorate of Cashew Research, Puttur, with research interests in soil chemistry, nutrient dynamics, sustainable agriculture, and cashew production. Aspiring to pursue a Ph.D. in Chemistry with a focus on soil chemistry and

Research Experience

ICAR-Directorate of Cashew Research, Puttur (Dec 2023-Present)

Young Professional-II (Soil Science)

Guide: Dr.M.S. Venkatesh, Principal Scientist, ICAR-DCR Puttur

Dr. Veena G L, Scientist, ICAR-DCR Puttur

- Prepared and analyzed various **Plant** (Leaf, Fruit & Nut), **Soil, Manure** samples and **Food Products** of Cashew apple and Sprout for major nutrients, micronutrients (MP-AES) and biochemical parameters.
- Analysis of Fertilizer (NPK) and Micronutrients (MP-AES) and calculations of data
- Design layout and execution of field experiment on cashew nutrient experiments.
- **Extension related work:** As per ICAR guidelines MGMG and Khet Bachao Programme –visited and collected soil samples from farmer field and different taluks of D.K. District, Karnataka and analyzed for various soil parameters.

ICAR-Directorate of Cashew Research, Puttur (Oct 2022-Nov 2023)

Lab Technician (Soil Science)

Guide: Dr. Shamshudeen M, Senior Scientist, ICAR-DCR Puttur

- Prepared and analyzed various Plant (Leaf, Fruit, Nut& Sprout), Soil, Manure samples and Food Products of Cashew apple and Sprout for major nutrients, micronutrients (MP-AES) and biochemical parameters.
- CNSL estimation from cashew shell extraction by using Soxhlet apparatus

ICAR-Directorate of Cashew Research, Puttur (Feb 2022-Jun 2022)

Lab Technician (Biotechnology)

Guide: Dr.Siddanna Savadi, Scientist, ICAR-DCR Puttur

- CNSL estimation from cashew shell extraction by using Soxhlet apparatus
- DNA isolation protocol and Field work

Micro Labs Ltd.,Bengaluru

(Jun 2018-Jan 2021)

Executive (Quality Control)

- Routine analysis of Raw materials / In process / Finished Products / Cosmetic samples / Stability samples using: UV, FTIR, KF, Polarimeter, pH Meter, viscometer, and calibration instruments
- Prepared Mobile phase & Assays for HPLC testing under the guidelines of seniors. Proficient cGLP and GDP practices.
- Revised & executed SOPs, MOA(IP/BP/USP), documented stability testing data and prepared COA Results.
- Coordination with the team leader during audit and Sending samples for analysis to external laboratories/Customer evolutions
- Documenting analytical reports, updating results and releasing in SAP. Indenting lab items in SAP software.

M.Sc. Thesis work (Jun-Jul 2014)

- Synthesis and Characterization of **Methyl-2-(tert-Butoxy carbonyl) Amino-3-(2-Nitrophenyl) Propanoate** @ Syngene (Biocon) Pvt. Ltd, Bengaluru

Project Guide: Dr. Sathya Shankar (Research Director, Syngene International), Mrs. Vinodhini mathan (Research, Syngene International) and Mr. Shivaram B (Assistant Professor, Alva's College, Moodbidri).

Certificate

- Agricultural Statistical Data Analysis and Skills Development (**TASDASD**), Sustainable Agriculture and Learning Foundation (**SALF**), 2025.

Publication

- M.S.Venkatesh, J.D. Adiga and K. Vijetha (2026), Soil acidity, nutrient and water management for sustainable production of cashew, Journal of The cashew & cocoa Journal, vol. XIV-No. 2, Pp-14-17.
- Manju M, Gokul M, Lavanya B, Ashwitha K, Vijetha K, J. D Adiga, Siddanna S*. (2023). 'Screening of simple sequence repeats for polymorphism and genetic diversity analysis in cashew', *Proceedings of National Seminar Recent Trends in Plant Biotechnology, Vimala College, Thrissur, Pg No.: 07-12.*
<https://online.fliphtml5.com/fvhke/dppm/>

Declaration: I hereby certify that the information given in this document is true to knowledge.

Place:
Date:

**Sequent Scientific Ltd., Mangalore
Analyst (Quality Control)**

(Oct 2016-Nov 2017)

- Routine analysis of Raw materials / In process / Finished Products using: UV, FTIR, KF, Polarimeter, pH Meter, viscometer and TOC for water samples and preparing reports.
- In-processes & recovered solvent analysis: Receive TI Sheets, allocation of AR No's, analyses and communicate the results.
- Documenting analytical reports, updating results and releasing in LIMS software.

**P D Navkar Biochem Pvt. Ltd., Bengaluru
Junior Executive (Quality Control)**

(Jan 2016-Sept 2016)

- Routine analysis of Raw materials / In process / Finished Products using: UV, KF, Titrations, Polarimeter, pH Meter, HPLC mobile phase preparation and preparing reports.
- Coordination with the team leader during audit and maintaining cGLP working area. Sending samples for analysis to external laboratories/ Customer evolutions.
- Prepared SOPs, MOA, COA and updated ERP software results.

Extension Literature

▪ **Folders/Leaflet/Pamphlets:**

- Veena G L, Manjesh G N, Shamsudheen, M, Bablimog, Bhagya H P, Thondaiman V, Ashwathi C, Vijetha K, and Prajna (2025), *Geru Beleyallipoushtikamshagala Korathe-lakshanagalumattunirvahane*, (Nutrient deficiencies in cashew-Kannada Leaflet). Published by Dr. J D Adiga, Director ICAR-DCR Puttur. Pp 1-6
- Veena G L, Jyothi Nishad, Preethi P, Rajkumar A D, Shamsudheen M, Manjesh G N, Prajna and Vijetha K, (March 2025). *Geru Hanninamalyavardhithauthpannagalu*, (Folder-Kannada). Published by Dr. J D Adiga, Director ICAR-DCR Puttur. Pp 1-6

▪ **Technical Reports/Compendia:**

- Savadi, S; Shamsudheen M, Manjunath K, Vijetha K, Patil B (March 2022). Report on STC/TSP Programme 2020-21: Improving livelihood of ST population through Agri-Inputs supply and Improved technology Dissemination., ICAR-DCR Puttur, Pp-1-10
- Savadi, S, Manjunath, K, Vijetha, K (2022). ICAR-IICR technologies for commercialization. A technology inventory: 2022/2. Published by Dr. T N Raviprasad, ICAR-DCR Puttur Karnataka, India, Pp-1-19

Referee

Dr. M. S. Venkatesh
Principal Scientist
(Soil Science)
ICAR-DCR Puttur

Vijetha K