

CURRICULUM VITAE

Dr. N. Vijendra Kumar
Assistant Professor
PG Department of Chemistry
JSS College of Arts, Commerce and Science
B. N. Road, Mysuru-25
Mob: +91-9611880667
E-mail: vijendra17@gmail.com

RESEARCH Area

- Organic synthesis, Food chemistry, Glycobiology

EDUCATION QUALIFICATION

- **Doctor of Philosophy (Ph.D.) in Chemistry:** Thesis entitled “Synthesis and bioactivity studies of key phenolic compounds of ginger and their derivatives” from CSIR-CFTRI, University of Mysore, Mysore in the year **2016**.
- **Master of Science (Organic Chemistry)** from Kuvempu University, Shivamogga in the year **2009**.
- **Bachelor of Science (PCM)** from J.S.S. College of Arts, Commerce and Science, Affiliated to University of Mysore, Mysore in the year **2007**.

WORK EXPERIENCE

Jan 2020 to till date: Assistant Professor in PG department of Chemistry, JSS College of Arts, Commerce and Science, B. N. Road, Mysuru.

Dec 2018 to Jan 2020: Research Associate at IISER-Pune, Pune, Maharashtra.

Apr 2018 to Dec 2018: NPDF at CSIR-CFTRI, Mysore

Jun 2017 to Nov 2017: Research Associate at Clearsynth, Hyderabad.

May 2016 to May 2017: Research Associate at CSIR-CFTRI, Mysore.

FELLOWSHIP/AWARD

- Awarded Junior and Senior Research Fellowship by University Grants Commission, India (March 2010 to January 2015).
- Qualified JRF-NET (2009) conducted by CSIR-UGC
- Awarded JRF and SRF fellowships by UGC
- Awarded N-PDF fellowship by DST-SERB

LIST OF RESEARCH PUBLICATIONS:

- 1) Shanthamurthy, Chethan D., Ana Gimeno, Shani Leviatan Ben-Arye, **Nanjundaswamy Vijendra Kumar**, Prashant Jain, Vered Padler-Karavani, Jesús Jiménez-Barbero, and Raghavendra Kikkeri. "Sulfation Code and Conformational Plasticity of l-Iduronic Acid Homo-Oligosaccharides Mimic the Biological Functions of Heparan Sulfate." *ACS Chemical Biology* (2021).
- 2) Shanthamurthy, Chethan D., Shani Leviatan Ben-Arye, **Nanjundaswamy Vijendra Kumar**, Sharon Yehuda, Ron Amon, Robert J. Woods, Vered Padler-Karavani, and Raghavendra Kikkeri. "Heparan Sulfate Mimetics Differentially Affect Homologous Chemokines and Attenuate Cancer Development." *Journal of Medicinal Chemistry* 64, no. 6 (2021): 3367-3380.
- 3) **Nanjundaswamy Vijendra Kumar**, SC Santosh Kumar, P. Srinivas, and B. K. Bettadaiah. "An Improved Route to the Preparation of 6-, 8-, 10-Gingerols." *Organic Preparations and Procedures International* 47, no. 6 (2015): 443-448.
- 4) **Nanjundaswamy Vijendra Kumar**, Pushpa S. Murthy, Javagal R. Manjunatha, and B. K. Bettadaiah. "Synthesis and quorum sensing inhibitory activity of key phenolic compounds of ginger and their derivatives." *Food chemistry* 159 (2014): 451-457.
- 5) Kumar, S. Chandrappa Santosh, **Nanjundaswamy Vijendra Kumar**, Pullabhatla Srinivas, and Bheemanakere Kempaiah Bettadaiah. "A convenient practical synthesis of alkyl and aryl oxime esters." *Synthesis* 46, no. 14 (2014): 1847-1852.
- 6) **Nanjundaswamy Vijendra Kumar**, P. Srinivas, and B. K. Bettadaiah. "New scalable and eco-friendly synthesis of gingerols." *Tetrahedron Letters* 53, no. 24 (2012): 2993-2995.

WORKSHOP/CONFERENCE/SEMINAR ATTENDED/PAPER PRESENTED:

Sl. No.	Name of the Conference/Workshop/Seminar	Organizer, Place, Year
1	Analytical techniques in the present scenario	Sahyadri Science college, Shivamogga, Mar 27, 2010
2	International conference on synthetic and structural chemistry (ICSSC)	Mangalagangothri, Mangalore, Dec 8-10, 2011
3	International Food Convention (IFCON)	CFTRI, MYSORE Dec 18-21, 2013
4	XIX CARBO (Carbohydrate conference)	CIAB, Mohali Dec 29-31, 2014
5	The society of biological chemists (SBC)	CFTRI, Mysore Nov 21-24, 2016
6	Symposium on Spices and aromatic crops (SYMSAC-IX)	Nagaland university, Nagaland Mar 15-17, 2018
7	Silver jubilee national magnetic resonance society (NMRS) workshop	CLRI, Chennai Aug 3-5, 2018
8	XIX CARBO (Carbohydrate conference)	Lucknow university, Lucknow Dec 5-7, 2019

9	Teachers capacity building	JSS, Mysore Feb 13 2020
10	National e-Workshop on Instrumentation Techniques in Chemical Sciences	Prof. Rajendra Singh Institute of Physical Sciences for Study & Research, Jaunpur, 222003, Uttar Pradesh June 25-29, 2021

SWYAM NPTEL Course: UGC-SWAYAM Online Course on **Fundamentals of Spectroscopy** from Sept 2020 to Dec 2020 (12 Week course).

Organizing Secretary:

- 1) Two Day International e-Conference on Drug Discovery and Material Science on 15-09-2021 & 16-09-2021 held at JSS College, BN Road, Mysuru-25
- 2) Webinar on Structural Activity Relationship of Glycans on 25-06-2029 held at JSS College, BN Road, Mysuru-25.

Life Membership: The society of biological chemists, IISc, Bengaluru, India.

Served as Reviewer for Scientific Journals/ Conference

1. Frontiers in pharmacology (Sept 2021)

PERSONAL PROFILE

Father Name: N. Nanjundaswamy
Date of Birth: 17/03/1986
Languages Known: Kannada & English
Sex: Male
Marital status: Married
Nationality: Indian

Present/Permanent Address: Door No-218, I main, I Cross, Bhagat Singh road, SVP Nagar, Nadanahalli, Mysore-28.