

**Dr Suman Kashyap, Ph.D, PDF**

Assistant Professor

**Specialization**

Plant Tissue culture / Plant biotechnology

**Education**

2015 - Ph.D., IGNOU (Indira Gandhi National Open University, New Delhi)

2020 – PDF, PES University, Bengaluru



**Work Experience**

**Research**

Nanotechnology: Nano-10<sup>-9</sup>. Discovery, Design and Development of the Nanomedicine, designing a target specific Nanochip for the life threatening diseases like Atherosclerosis and Nephrolethiasis at Velbiotech, Bengaluru between August 2003 to Jan 2004

**Teaching**

INSTITUTION: home science college, bangalore university

DEPARTMENT: department of biotechnology

TIME DURATION: july 2003 – may 2004

POSITION: visiting faculty

INSTITUTION: MOUNT CARMEL COLLEGE, BANGALORE UNIVERSITY

DEPARTMENT: DEPARTMENT OF BIOTECHNOLOGY

TIME DURATION: JUNE 2004 – JULY 2007

POSITION: LECTURER

INSTITUTION: ST. ALOYSIUS COLLEGE, MANGALORE UNIVERISTY

DEPARTMENT: DEPARTMENT OF ZOOLOGY/VERMITECHNOLOGY

TIME DURATION: AUG 2007 – JUNE 2008

POSITION: VISITING FACULTY

INSTITUTION: MOUNT CARMEL COLLEGE, BANGALORE UNIVERSITY

DEPARTMENT: DEPARTMENT OF BIOTECHNOLOGY

TIME DURATION: NOV 2011 – JULY 2014

POSITION: LECTURER

INSTITUTION: DAYANAND SAGAR UNIVERSITY, BANGALORE

DEPARTMENT: BIOSCIENCES

TIME DURATION: JAN 2020 – AUG 2020

POSITION: VISITING FACULTY

INSTITUTION: JAIN (DEEMED-TO-BE-UNIVERSITY), BANGALORE

DEPARTMENT: BIOTECHNOLOGY

TIME DURATION: AUG 2021 TILL DATE

POSITION: ASSISTANT PROFESSOR

### Key Areas of Research

- *In vitro* tissue culture of economically important plants on Organic Plant tissue culture medium.
- Screening of Pharmaceutically important alkaloids (Phytochemicals) and Nanoparticles from the medicinal plants
- Molecular Docking of ligands with proteins.

### Publications:

1. **S. Kashyap**, Shreyaa, A. Suresh, and S. Tharannum 2021. Micropropagation of *Solanum lycopersicum*. L using chemical free formulated organic plant growth media. *Plant Science Today*, 8: 218-218. IF-1.885. Scopus Google Scholar UGC
2. Suman Kashyap, Neera Kapoor, Radha D Kale, 2021. Rauwolfia serpentina –Leaf Callus And Cell Suspension culture Developed Using Vermicompost Extracts And Vermiwash (Coelomic Fluid) As Economical Plant Tissue Culture Media. *Journal of Plant Science and Research*, 8(2) 213-218. Google Scholar.
3. **Suman Kashyap** · Seema Tharannum · Taarini R. 2019. Influence of formulated organic Plant tissue culture medium in the shoot regeneration study of Brassica juncea (L.) - Indian mustard. *J Plant Biotechnol* 46 114-118. IF- 0.445. Scopus Google Scholar UGC
4. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2019. Development of Callus and Cell Suspension Culture from the leaf of *Adhatoda vasica* using Economical Growth Media. *Indian Journal of Experimental Biology (IJE)*. 57(3). 195-200. IF-0.818. Scopus Google Scholar UGC

5. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2018. Micropropagation Of *B.Monnieri* Using Body Fluid Of Earthworms (Coelomic Fluid) As Plant Tissue Media. *Vegetos – International Journal of Plant Sciences* 31. 104 -110. IF- 6.02. Scopus Google Scholar UGC
6. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2017. *B. monnieri* - Micropropagation Using Vermicompost, Eluant And Extracts Of Vermicompost In Plant Tissue Culture. *International Journal of Advance Research in Science and Engineering (IJARSE)*. 6. 417 – 429. IF-2.83. Google Scholar
7. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2017. Micropropagation of *B. monnieri* using humin media in plant tissue culture. *Annals of Plant Sciences (APS)*. 6. 1625-1629. 2017. IF- 5.016. Web of Science, Google Scholar.
8. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2016. *Coscinium fenestratum*: Callus and Suspension Cell Culture of the Endangered Medicinal Plant Using Vermicompost Extract and Coelomic Fluid as Plant Tissue Culture Media. *American Journal of Plant Sciences. (AJPS)*. 7. 899-906. IF-1.43. Web of Science (Clarivate Analysis) Google Scholar
9. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2015. *In vitro* tissue culture of *Catharanthus roseus* using Vermicompost extract and Coelomic fluid an innovative and novel approach. *International Journal of Current Research (IJCR)*. 7. 24679 – 24683. IF-1.53. Google Scholar
10. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2015. Callus Induction and Tissue Differentiation of *Tinospora cordifolia* on Using Vermicompost and its Extracts along with Coelomic Fluid as Tissue Culture Media. *Horizon Journal of Micro. Biotech. Res. (HJMBR)*.1.01 – 007.
11. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2015. Effect of vermicompost extracts on the *in vitro* micropropagation of *Bacopa monnieri*. *International Journal of Green Pharmacy. (IJGP)*. 963 – 68. IF-0.469. Scopus, Web of Science (Clarivate Analysis) Google Scholar NAAS Score
12. **Suman Kashyap**, Neera Kapoor, Radha D Kale. 2013. Effect of Vermicompost on the Regeneration of Medicinal Plant *Bacopa monnieri* (Linn). *International Journal of Scientific Research (IJSR)*. 418 – 423. IF-1.54. Google Scholar

### Book Chapters

**Suman Kashyap**, Seema Tharannum, V. Krishna Murthy, Radha D Kale. Management of Biomass residues using vermicomposting approach, 2022. **Springer Nature**

**Dr Suman Kashyap**, Bio-valorisation of citrus-waste for the production of bioactive molecules for food applications, 2021. **CRC Press (Taylor and Francis group)**

**Achievements**

**Certified Reviewer:** European Journal of Medicinal Plants (Pub:Science Domain); African journal of Biotechnology (Pub: Academic Journals)

**Life member:**

Society for Biotechnologists (INDIA),

Member at Science Publishing Group (SPG). Institute of Scholars