Dr. Navneet Kaur

Designation: Assistant Professor

Qualification: M.Sc, PhD

Date of Birth: 04.07.1982

Date of Joining: 01.06.2018

Tel: 09348281319; **Email:** navneetkaur@rdwu.ac.in

ORCID: https://orcid.org/0009-0005-1835-2690
VIDWAN: https://vidwan.inflibnet.ac.in/profile/378523
WOS: https://www.webofscience.com/wos/author/record/IAR-0106-2023

Area of Interest

Plant Biology, Microbial Resistance, Parasitic Plants

Courses taught

Genetics, Molecular Biology, Plant Physiology, Biochemistry

Career

Assistant Professor (2018-present): Rama Devi Women's University, Bhubaneswar

Teaching Experience

5 years

Research Experience

18 years

Administrative/Executive Experience

Deputy Registrar (Administration) Rama Devi Women's University (November 2020-present)
Coordinator, Dept. of NCC, Rama Devi Women's University (June 2020-present)
ANO NCC, Rama Devi Women's University (November 2021-present)

Awards & Honors

- Qualified Council of Scientific and Industrial Research Fellowship 2005
- Relocation Fellowship by MSU-DOE PRL (2005).
- DG NCC Best ANO Trophy 2021

- Plaque and Gold Medal for standing First in Order of Merit in PRCN-SW-108 at OTA-Gwalior, 2021

Research Guidance

- ✓ PhD thesis supervised : **NIL**
- ✓ M Tech/M.Phil thesis supervised : **02 (TWO)**
- ✓ M.Sc thesis supervised : **15**

Research Grants

Nil

Publications

Journal publications

1. Desai M, **Kaur N** and Hu J (2014). The RING domain of the Arabidopsis PEROXIN2 protein suppresses the function of LONG HYPOCOTYL5 in photomorphogenesis. PLOS One 9(9): e108473. doi: 10.1371/journal.pone.0108473.

2. Pan R, **Kaur N** and Hu J (2014). The Arabidopsis mitochondrial membrane-bound ubiquitin protease UBP27 contributes to mitochondrial morphogenesis. Plant J. 78, 1047-1059.

3. Quan S*, Yang P*, Cassin-Ross G*, **Kaur N***, Aung K, Switzenberg R, Li J and Hu J (2013). Proteome analysis of peroxisomes from etiolated Arabidopsis seedlings identifies a peroxisomal protease involved in β-oxidation and development. Plant Physiol. 163, 1518-1538. *** Equal contribution**

4. **Kaur N**, Zhao Q, Xie Q and Hu J (2013). Arabidopsis RING peroxins are E3 ubiquitin ligases that interact with two homologous ubiquitin receptor proteins. J. Integr. Plant Biol. 55, 108-120.

5. **Kaur N** and Hu J (2011). Defining the plant peroxisomal proteome: from Arabidopsis to rice. Front. Plant Sci. 2,103. doi: 10.3389/fpls.2011.00103.

6. **Kaur N** and Hu J (2009). Dynamics of peroxisome abundance: a tale of division and proliferation. Curr. Opin. Plant. Biol. 12, 781-788.

7. Jain M, **Kaur N**, Garg R, Thakur JK, Tyagi AK and Khurana JP (2006). Structure and expression analysis of early auxin-responsive *Aux/IAA* gene family in rice (*Oryza sativa*). Funct. Integr. Genomics. 6, 47-59.

8. Jain M, **Kaur N**, Tyagi AK and Khurana JP (2006). The auxin-responsive *GH3* gene family in rice (*Oryza sativa*). Funct. Integr. Genomics. 6, 36-46.

Book/book chapter Publications

1. Kumar S & Supriya Devi R, Choudhury R, Mahapatra M, Biswal S, **Kaur** N, Tudu J and Rath S. (2022). Orchid Diversity, Conservation, and Sustainability in Northeastern India. Springer, Cham. P 111-140. https://doi.org/10.1007/978-3-030-85829-2_

2. **Kaur N**, Cross L, Theodoulou F, Baker A, and Hu J (2015). Plant peroxisomes: protein import, dynamics, and metabolite transport. *In* : The Plant Sciences. Cell Biology. S Assmann, B Liu, Eds, Springer-Verlag Berlin Heidelberg.

3. Aung K, **Kaur N**, and Hu J (2014). Dynamin-related proteins in peroxisome division. *In* : Molecular machines involved in peroxisome biogenesis and maintenance. C Brocard and A Hartig, Eds, Springer-Verlag Wien 439-460 (doi 10.1007/978-3-7091-1788-0_20).

4. **Kaur N**, Li J and Hu J (2013). Peroxisomes and photomorphogenesis. *In* : Peroxisomes and their Key Role in Cellular Signaling and Metabolism. LA del Rio, Ed, Springer. Subcell Biochem. 69:195-211.

5. **Kaur N**, Reumann S and Hu J (2009). Peroxisome biogenesis and function. *In* CR Somerville, EM Meyerowitz, Eds, The Arabidopsis Book. American Society of Plant Biologists, Rockville, MD (doi: 10.1199/tab.0123).

Participation in Conferences & Seminars (as invited/plenary/chair)

Nil

Other information(s)