

Educational Qualifications

- **Post-doctoral Scientist (July 2019- February 2020)**
Place of work: Prof. Henri Batoko's lab, Catholic University of Louvain (UCL), Louvain-la-Neuve, Belgium.
Area of work: Autophagy in plants
- **Post-doctoral Researcher (May 2017- October 2017)**
Place of work: Prof. Folke Sitbon's lab, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden.
Area of work: Study of steroid glycoalkaloid biosynthetic genes in potato.
- **Research Associate (Dec 2015- Jan 2017)**
Place of work: Dr. Alok Krishna Sinha's lab, National Institute of Plant Genome Research (NIPGR), New Delhi, India.
Area of work: MAPK signaling in plant stress.
- **Ph.D. (2010-2015)**
Place of work: Dr. Alok Krishna Sinha's lab, National Institute of Plant Genome Research (NIPGR), New Delhi, India.
Title of thesis: "Functional Characterization of a Group-C Mitogen Activated Protein Kinase OsMPK7 in Rice".

Publications:

- Verma D, **Jalmi SK**, Bhagat PK, Verma N, & Sinha AK (2019) A bHLH transcription factor, MYC2, imparts salt intolerance by regulating proline biosynthesis in Arabidopsis. *The FEBS journal*.
- **Jalmi SK**, Bhagat PK, Verma D, Noryang S, Tayyeba S, Singh K, ... & Sinha, AK (2018) Traversing the Links between Heavy Metal Stress and Plant Signaling. **Frontiers in Plant Science**, 9, 12, doi: 10.3389/fpls.2018.00012.
- **Jalmi SK** and Sinha AK (2016) Functional involvement of group C mitogen activated protein kinase, OsMPK7 in mediating resistance against *Xanthomonas oryzae* in rice. **Scientific Reports**, 6:37947, doi: 10.1038/srep37974.
- **Jalmi SK** and Sinha AK (2015) ROS mediated MAPK signaling in abiotic and biotic stress- striking similarities and differences. **Frontiers in Plant Science**, 6:769, doi: 10.3389/fpls.2015.00769.
- Sheikh AH, Raghuram B, **Jalmi SK**, Wankhede DP, Singh P and Sinha AK (2013) Interaction between two rice mitogen activated protein kinases and its possible role in plant defense. **BMC Plant Biology**, 13:121, doi: 10.1186/1471-2229-13-121.

- Raina SK, Wankhede DP, Jaggi M, Singh P, **Jalmi SK**, Raghuram B, Sheikh AH and Sinha AK (2012) CrMPK3, a mitogen activated protein kinase from *Catharanthus roseus* and its possible role in stress induced biosynthesis of monoterpenoid indole alkaloids. **BMC Plant Biology**, 12(1):134, doi: 10.1186/1471-2229-12-134.

Awards

- **Goa Scholar award** in the year 2010-2012.
- **Best oral presentation award** at National seminar on “New Frontiers in Plant Science and Biotechnology-2015”, organized by UGC-SAP, Department of Botany, Goa University, India.
- Awarded with **DBT-Junior Research Fellowship** (2010-2012) and **Senior Research Fellowship** (2012-2015).