Curriculum Vitae

Dr. Siddhi Kashinath Jalmi
Assistant Professor,
School of Biological Sciences and Biotechnology (Botany),
Goa University.
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Date of Birth: 02/08/1988

Field of specialization: Agricultural Biotechnology, Plant development and Environmental Stress, Cell Signalling.

Educational Qualifications

- **Post-doctoral Scientist (2019- 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 (2017- 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 (2015- 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".

- **M.Sc. (2008-2010):** Marine Biotechnology, Goa University, Goa, India.

- **B.Sc. (2005-2008):** Biotechnology, Goa University, Goa, India.

Awards/Recognitions/Fellowships

- **Invited Talk in National Seminar,** organised by the Department of Botany, University of Jammu, from 25th -26th March 2022.

- **Invited talk at "Research Grant Writing Workshop",** organised by Goa State Higher Education Council, Directorate of Higher Education, on 9th September 2022.
- Life Time member of **Biotech Research Society India**.
- **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.
- **Goa Scholar Award** in the year 2010-2012.
- **DBT-Junior Research Fellowship** from year 2010-2012 and **DBT-Senior Research Fellowship** from year 2012-2015.
- **CSIR-Junior Research Fellow** in year 2010.
- **Studentship from Jawaharlal Nehru University** for pursuing M.Sc. in biotechnology in the year 2008.

Publications

- Yadav VK, Sawant SV, Yadav A, **Jalmi SK** & Kerkar S (2022) Genome-wide analysis of long non-coding RNAs under diel light exhibits role in floral development and the circadian clock in *Arabidopsis thaliana*, **International Journal of Biological Macromolecules**. **(IF: 8.02)**
- **Jalmi SK**, & Sinha AK (2022) Ambiguities of PGPR-Induced plant signaling and stress management. **Frontiers in Microbiology**. 13:899563. **(IF: 6.06)**
- Yadav VK, Singh S, Yadav A, Agarwal N, Singh B, **Jalmi SK**, ... & Sawant SV (2021) Stress conditions modulate the chromatin interactions network in Arabidopsis. **Frontiers in genetics**, 2475. **(IF: 4.7)**
- **Jalmi, SK** (2020) Rhizosphere signaling nurturing phyto-microbiome niche. **Tropical Plant Research**. 7(2): 522–528. **(IF: 1.98)**
- 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**. **(IF: 5.62)**
- **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. **(IF: 6.62)**
- **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. **(IF: 4.99)**
- **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. **(IF: 6.62)**
- 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. **(IF: 5.76)**

- 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. **(IF: 5.76)**

Research Grants

- Start-up Research Grant funded by SERB-DST, Govt. of India, for the year 2022-2024.
- Start-up Research Grant funded by MHRD-UGC, Govt of India for the year 2021-2023.