

## **RAVINA PAI**

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### **OBJECTIVE**

To achieve a career position to leverage my expertise and passion in life sciences, contributing to the academic community through meaningful research and strong commitment to excellence in education through impactful teaching. I aim to foster an engaging learning environment that encourages critical and creative thinking to make a positive impact on society.

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### **ACADEMIC QUALIFICATIONS**

Degree	Educational Institution	Duration	Marks obtained
<b>Ph.D</b>	School of Biological Sciences and Biotechnology, at Goa University, Taleigao, Goa-India	2019-current	-
<b>MH-SET (Assistant Professorship)</b>	-	September 2021	-
<b>M.Sc. (Botany)</b>	Goa University, Taleigao, Goa-India	2017-2019	81.9% (A <sup>+</sup> )
<b>B.Sc. (Botany)</b>	Parvatibai Chowgule College of Arts & Science, Goa, India	2014-2017	85.92% (Distinction)
<b>B.Sc. (Hons) Chemistry</b>	Parvatibai Chowgule College of Arts & Science, Goa, India	2014-2017	Grade A
<b>12<sup>th</sup> Grade</b>	Shree Damodar Higher Secondary School of Science, Margao, Goa, India	2014	77.33%
<b>10<sup>th</sup> Grade</b>	Bhatikar Model High School, Margao, Goa, India	2012	89.16%

## AWARDS & ACHIEVEMENTS

- Awarded the '**Late Shri Dilip Kumar Rayu Prabhu Mhambre Gold Medal**' for obtaining the highest marks in Botany at M.Sc. Examination held in April 2019 (Received in February 2020).
  - Awarded the '**C.X. Furtado Medal**' for obtaining the highest marks in Advanced Ecology at the M.Sc. Examination held in November 2017 (Received in February 2020).
  - Awarded **Government Merit Scholarship** for each term of B.Sc programme (2014-2017).
  - Awarded **Merit Scholarship under 'Scheme for Promotion of Science Education'** by the Directorate of Higher Education, Government of Goa (2014-2017).
  - Awarded **Science Talent Search Scholarship** by State Council of Education Research & Training, Government of Goa in February 2010.
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## RESEARCH PRESENTATIONS AND AWARDS

- Awarded '**Best Oral Presentation**' furnished with a free selection of **Springer E-books worth a total of EUR 300** in the **International Conference on 'Environmental Sustainability and Biotechnology: Opportunities and Challenges'** on 'Salicylic acid improved growth and development of Salt-stressed Sorghum plants' organized by Society for Environmental Sustainability, Lucknow, held at Goa, India from 16-19<sup>th</sup> November 2022.
- Awarded **1<sup>st</sup> Place in Oral Presentation** entitled 'Exogenous supplementation of Salicylic acid in the alleviation of salt stress in Sorghum plants (*Sorghum bicolor* L.)' at the **National Conference on 'Recent Trends in Plant Sciences & Biotechnology'** held during 3<sup>rd</sup> and 4<sup>th</sup> November 2022 at School of Biological Sciences and Biotechnology, Goa University, Goa, India
- Presented **Oral Presentation** entitled 'Growth and development enhancement by salicylic acid in alleviating salt stress in Sorghum plants' in the theme Impact on Photosynthesis at the **International Conference on 'Physiology and Molecular Mechanisms of Abiotic Stress Tolerance in Plants'** organized by the Indian Society for Plant Physiology from 26-28<sup>th</sup> October 2022, held at University of Calicut, Kerala.

- Awarded **1<sup>st</sup> Prize for Poster Presentation** entitled ‘Application of Salicylic acid in salt-stressed Sorghum plants in **UGC-SAP (DRS-II) sponsored Two Day National Seminar on ‘Plants and Fungi-Polyphasic Characterization and Bioprospection’** organized in Hybrid mode by University of Jammu, Jammu on 25-26<sup>th</sup> March 2022.
  - Awarded **Best Poster Presentation** entitled ‘Effect of Salicylic acid in the alleviation of salt stress in rice plants’ at the **UGC-SAP National Seminar on ‘New Vistas in Botany’** held on 13<sup>rd</sup> and 14<sup>th</sup> February 2020 at Goa University, Goa, India.
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**Research Software Skills:** ImageJ-Java-based image processing program; IBM SPSS Statistics; OriginLab-Data analysis and graphing software; XLSTAT-Statistical Software for excel; Mendeley-Reference management software.

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#### **WORKSHOPS AND SEMINARS ATTENDED**

- Attended **5<sup>th</sup> International Conference on Science and Technology for Society** organized by VMS Research Foundation, Nagpur and Research for Resurgence Foundation during June 19<sup>th</sup> -20<sup>th</sup> 2022 held at Goa
  - Successfully completed a workshop on ‘**Applied Bioinformatics: Techniques, Tools and Tasks**’ on February 18-19<sup>th</sup> 2020 at National Facility for Marine Cyanobacteria, Bharathidasan University, Tiruchirappalli
  - Short certificate course on ‘**Paleo-botanical evidence and evolutionary trends in plants**’ organized by Manipal Centre for Natural Sciences, Karnataka, India from 23<sup>rd</sup>-27<sup>th</sup> November 2020 in a virtual classroom environment
  - Attended a one-day Seminar on ‘**Novel Vistas in Plant Sciences**’ at Goa University held on 25<sup>th</sup> January 2019
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#### **PUBLISHED RESEARCH ARTICLES IN PEER-REVIEWED JOURNALS**

- Pai, R., & Sharma, P. K. (2022). Exogenous application of salicylic acid mitigates salt stress in rice seedlings by regulating plant water status and preventing oxidative damage. *Environmental and Experimental Biology*, 20(4), 193-204.  
<https://doi.org/10.22364/eeb.20.18>

- Sankhalkar, S., Pai, R., & Gurav, V. (2018). Exogenously supplied *Rhizobium-induced* nodulation in *Vigna unguiculata*. *International Journal of Innovative Research and Advanced Studies*, 5 (2), 263-268.
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PERSONAL DETAILS:

Gender:	Female
Date of Birth:	26 <sup>th</sup> April 1996
Civil Status:	Unmarried
Religion:	Hindu
Category:	General
Nationality:	Indian
Languages known:	English, Hindi, Marathi, Konkani
Blood Group:	A+