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Designation	:	Assistant Professor									
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Academics	:	<table border="1"> <thead> <tr> <th>Degree</th> <th>Name of University</th> </tr> </thead> <tbody> <tr> <td>Ph.D. (Plant Biotechnology)</td> <td>University of Agricultural Sciences, Bangalore (Karnataka) INDIA</td> </tr> <tr> <td>M.Sc. (Agril. Biotechnology)</td> <td>Indira Gandhi Agriculture University, Raipur (CG) INDIA</td> </tr> <tr> <td>B.Sc. (Agri.)</td> <td>Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli (MH) INDIA</td> </tr> </tbody> </table>		Degree	Name of University	Ph.D. (Plant Biotechnology)	University of Agricultural Sciences, Bangalore (Karnataka) INDIA	M.Sc. (Agril. Biotechnology)	Indira Gandhi Agriculture University, Raipur (CG) INDIA	B.Sc. (Agri.)	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli (MH) INDIA
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B.Sc. (Agri.)	Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli (MH) INDIA										
Professional Experience	:	<p>Assistant Professor, 18th March 2011 – till date at SKUAST-Jammu (J&K), India</p> <p>Assistant Professor, July 2009-till 16, March 2011 at BGSB University Rajouri (J&K) India</p> <p>Scientist, May 2009- July 2009, At Advanta India Limited, Hyderabad</p> <p>Post doc fellow/ Research Associate, June 2007 – April 2009 TERI (The Energy and Resources Institute), New Delhi, India</p> <p>Research Fellow, September 2005 – February 2007 In a USAID-ALO and Purdue University, USA sponsored project on, “ Partnering with higher education in India for improving nutritional quality of food by biotechnology approaches.” At University of Agricultural Sciences Bangalore, India</p> <p>Junior research fellow, April 2003 – August 2003 At Department of Botany, University of Kashmir, Srinagar.</p>									
Awards/ honours/ scholarships/ fellowships	:	<ul style="list-style-type: none"> • Awarded DBT Overseas fellowship (DBT CREST fellowship 2011-12) for post doc at NAIST, Japan from March 21, 2013 to August 20, 2013). • Nominated as standing member of Indo-Nepal Chapter of International Plant Proteomics Organisation (INPPO) on 14th April 2012. • Got sanctioned SERB, DST, Ministry of Science and Technology, Govt. of India, FAST TRACK YOUNG SCIENTIST PROJECT in April, 2012 • Nominated as Distinguished member of International Plant Proteomics Organisation (INPPO) on 1st March 2011. • Awarded best oral presentation award in an International conference on, “Wildlife and Biodiversity conservation Vis-à-vis Climate change” for the paper entitled, “ Phytochemical 									

	<p>approaches and biophysical strategy for using wild medicinal plants as sources of pharmacological chaperons.” At SKUAST- Shalimar during June 3-5, 2010.</p> <ul style="list-style-type: none"> • Selected for the Award of <u>NSP scholarship</u> from Ministry of Education, Slovak Republic (Europe) for research on advanced plant proteomics at Institute of Plant Genetics and Biotechnology, Slovak Academy of Science for two months period in 2009. • Awarded <u>2nd best paper award at International conference</u> on “Biotechnology approaches for alleviating malnutrition and human health”, held at UAS Bangalore for the paper, “Molecular analysis for identification of Rice genotypes with high grain silicon content.” 11th January 2006. • Awarded <u>3rd best paper at International conference</u> on “Biotechnology approaches for alleviating malnutrition and human health”, held at UAS Bangalore for the paper, “Molecular analysis for determining diversity in Tannin content among QAT (<i>CATHA EDULIS</i>) grown in Yemen.” 11th January 2006 • Acted as a <u>Group Leader in an International Training programme</u> on Genetic Mapping, held at University of Agricultural sciences, Bangalore in collaboration with John Inns center UK, and Kirk House Trust UK during Nov. 2005. • Awarded <u>Merit Scholarship</u> from “Al- Hakeem foundation for Humanity and Science” during year 2005. • Awarded <u>DBT fellowship</u> from the Department of Biotechnology, Ministry of Science, Govt. of India, for M.Sc. (Agri) Biotechnology 2000-2002. • Awarded <u>3rd Position in the University</u> during first Year M.Sc. Biotechnology, at IGAU, Raipur.
Area of Specialization	: Crop genomics and plant proteomics
Research Interests	: Molecular characterization of crop plants. Understanding mechanism of micro nutrient transport and water stress tolerance in plants using OMICS approaches.
Projects (in hand & accomplished)	: On going projects: 01 as PI; 02 as Co-PI Accomplished projects: 02
Five best Publications	: <ol style="list-style-type: none"> 1. Jang S, Cho K, Shibato J, Han O, Iwahashi H, Tamogami S, Zargar SM, Kubo A, Masuo Y, Agrawal GK and Rakwal R. (2009). Rice OsOPRs: Transcriptional Profiling Responses to Diverse Environmental Stimuli and Biochemical Analysis of OsOPR1. <i>Journal of Plant Biology</i>. 52: 229-243 2. Zargar SM, Nazir M, Agrawal GK, Kim D and Rakwal R (2010) Silicon in Plant Tolerance against Biotic and Abiotic Stressors: Genomics and Proteomics Perspective. <i>Current Proteomics</i>. 7(2): 135-14

	<ol style="list-style-type: none"> <li data-bbox="716 191 1430 401">3. Zargar SM, Nazir M, Cho K, Kim DW, Jones OAH, Sarkar A, Agrawal SB, Shibato J, Kubo A, Jwa NS, Agrawal GK and Rakwal R (2011). Impact of climatic changes on crop agriculture: OMICS for sustainability & next generation crops. In: Sustainable Agriculture and New Bio-Technologies (Ed. B. Noureddine), Taylor & Francis (CRC Press). USA. pP 453-477. <li data-bbox="716 401 1430 520">4. Zargar S M, Macha M A, Nazir M, Agrawal G K and Rakwal R (2012). Silicon: A Multitalented Micronutrient in OMICS Perspective – An Update. <i>Current Proteomics</i>. 9(4): 245-254 <li data-bbox="716 520 1430 661">5. Zargar, S.M., Kurata, R., Inaba, S., and Fukao, Y. Unraveling the iron deficiency responsive proteome in Arabidopsis shoot by iTRAQ-OFFGEL approach. <i>Plant Signal. Behav.</i>, 8:10, e26892.
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