Curriculum Vitae

Dr. Rajwant Kaur

Flat No. 1, Sanjay Enclave Opp.
G.T.K. Depot, Delhi 110033, INDIA
Telephone 91-11-2763 2329
Cell Phone 9818 502 654
rajwantkaur82@gmail.com

Personal Information

Date of Birth	30th June 1982
Citizenship	Indian
Gender	Female

Education

Ph. D., Department of Environmental Studies, University of Delhi, 2007 – 2013

Dissertation: Ecological impacts and drivers of *Prosopis juliflora* (Sw.) DC. invasion.

Ph. D. supervisors: Prof. Inderjit, Department of Environmental Studies, University of Delhi, India & Prof. Ragan Morrison Callaway, Division of Biological Sciences, The University of Montana, USA.

M. Phil., Department of Botany, University of Delhi, 2004 – 2006
(Marks obtained 75.16%).

Paper I: Population Biology and Research Methodology.

Paper II: Evolutionary Cytology

Dissertation: Genetic mapping in chickpea for pathogen stress resistance – A Review.

Supervisor: Dr. Sudeshna Mazumdar-Leighton, Associate Professor, Department of Botany, University of Delhi

M. Sc. Botany, University of Delhi, 2002 – 2004
(Marks obtained 70.9%).

Project: Web based Multiple Sequence Alignment of protein sequences of a cytoskeleton protein-actin from *Arabidopsis thaliana* and *Oryza sativa*.

Special Papers:

a.) Current topics in Plant Molecular Biology,

b.) Crop Genetics and Plant Breeding: Dissertation entitled "Studies on biochemical and quantitative genetic variation in two cultivars of *Vigna unguiculata* (L.) Walp"

B. Sc. (Hons.) Botany, S.G.T.B. Khalsa College, University of Delhi, 1999 – 2002
(Marks obtained 67%)

Senior School Certificate Examination (10+2), Victoria Girls Sr. Sec. School, Delhi, 1999
(Marks obtained 56%)

Secondary School Examination (10th), S.G.T.B. Khalsa Girls Sr. Sec. School, Delhi, 1997
(Marks obtained 60.1%)

Professional Qualification

Qualified CSIR-UGC National Eligibility Test (NET), December 2004 (eligibility for Assistant Professorship).

Work Experience

Assistant Professor of Environmental Studies (ad-hoc): August, 2014 – January 2017
Janki Devi Memorial College, University of Delhi

Senior Research Fellow – Extended: October, 2013 – August, 2014
CSIR-funded project, "Role of soil microbial communities in invasion success of *Prosopis juliflora*, an aggressive invasive species".
Principal Investigator: Dr. Surinder Kaur, Associate Professor, S.G.T.B. Khalsa College, University of Delhi.

Junior Research Fellow, 2008 – 2010
DST-funded project "Analyses of invasion success of *Mikania micrantha*".
Principal Investigator: Prof. Inderjit, Department of Environmental Studies, University of Delhi.

Guest Lecturer, 2006 & 2007
Department of Botany, S.G.T.B. Khalsa College, University of Delhi

Junior Research Fellow, 2005 – 2007
DBT-funded project "Restoration Ecology" Principal Investigator: Prof. C. R. Babu, CEMDE, University of Delhi & Co-PI: Dr. Sudeshna Mazumdar-Leighton, Department of Botany, University of Delhi

Research skills

Use of statistical softwares, SPSS, XLSTAT and Meta Win
Microsoft excel, word and powerpoint
High-Performance Liquid Chromatography

Publications

Kaur, R., Callaway, R.M., Inderjit. 2014. Soils and the conditional allelopathic effects of a tropical invader. Soil Biology & Biochemistry 78: 316-325

Kaur, R., Gonzáles, W. L., Llambi, L. D., Soriano, P. J., Callaway, R. M., Rout, M. E., Gallaher, T. J., Inderjit, 2012. Community Impacts of *Prosopis juliflora* Invasion: Biogeographic and Congeneric Comparisons. PLoS ONE 7(9): e44966. doi:10.1371/journal.pone.0044966.

Kaur, R., Malhotra, S. and Inderjit, 2012. Effects of invasion of *Mikania micrantha* on germination of rice seedlings, plant richness, chemical properties and respiration of soil. Biology and Fertility of Soils 48: 481– 488.

Inderjit, Evans, H., Crocoll, C., Bajpai, D., Kaur, R., Feng, Y.-L., Silva, C., Carreon, T. C., Valiente-Banuet, A., Gershenzon, J. and Callaway, R. M. 2011. Volatile chemicals from leaf litter are associated with invasiveness of a Neotropical weed in Asia. Ecology 92(2): 316-324.

Inderjit, Kaur, R., Kaur, S. and Callaway, R. M. 2009. Impact of (±)-Catechin on soil microbial communities. Communicative and Integrative Biology 2(2): 127-129.

Kaur, H.*, Kaur, R.*, Kaur, S., Baldwin, I. T. and Inderjit, 2009. Taking ecological functions seriously: Soil microbial communities can obviate allelopathic effects of released metabolites. PloS ONE 4(3): e4700. doi:10.1371/journal.pone.0004700.
**indicate that both authors contributed equally to the work*.

Conference Contributions

Kaur, R. 2012. Community impacts of *Prosopis juliflora*. 2nd International Conference on Allelopathy (under aegis of Asian Allelopathy Society), 14th – 18th December 2012, Punjab University, Chandigarh, India. (Oral presentation).

Other Interests

Listening to music, sketching & playing badminton

Date Dr. Rajwant Kaur