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Professor

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Professional Background

- *Professor, Panjab University, Chandigarh,* **since March 2016**
- *Visiting Faculty, SERD,* Thailand
- *Post-doctoral Researcher NSTDA,* Thailand
- *Assistant Professor*, Panjab University, Chandigarh
- *Assistant Director (=Lecturer)*, Academic Staff College, PU, Chandigarh
- *Lecturer*, DAV College, Chandigarh
- *Postdoctoral Research Associate (CSIR)*

Honors and Distinctions

- *SNR Kohli Award for Mid-Career Best Scientist Award, 2019*
- *Young Scientist Award by Punjab Academy of Sciences in 1999*
- *Young and Deserving Scientist Award by Asian Pacific Weed Science Society in 2003*
- *Young Scientist Award by Indian Science Congress Association in 2004*
- *Young Scientist Award in 2005*
- *Junior Scientist of the Year Award, 2005*
- *Environmentalist of the Year, 2015*
- *EAES Research Excellence Award, 2014*
- *Travel Bursary by British Ecological Society to attend European Ecological Congress at Turkey in 2005.*
- *IUFRO SPDC Award to attend IUFRO World Congress 2010*
- ***Honored by Elsevier** at IUFRO World Congress 2010 at Seoul, Korea, for research paperas one of the "Top-50 most cited articles" in Forest Ecology and Management 2007-2010.*
- **Awarded IUFRO SPDC award** sponsored by The Food and Agricultural Organization of The United Nations (FAO) in 2007 to attend All Division 5 Conference being held 29 Oct – 2 November 2007 at Taipei, Taiwan
- Awarded grant by **Asia Pacific Association for Forestry Research Institutes** (APAFRI) to attend meet on forest invasive species at Malaysia in 2008.
- **Awarded IUFRO Award** *to attend Asia Oceania IUFRO Congress at Beijing, China, October 2016.*

Post-doctoral Research and Teaching Experience : > 25 years

Publications

- Research Papers: 151 (135 in SCI journals)
- Books: 9 (5 from USA)
- Citations: 5996 (SCOPUS)
- *h*-index: 43 (SCOPUS)

Research Interests

Ecosystem Ecology; Plant Invasion Ecology; Environmental stresses; Environmental Sustainability; Plant Volatile Oils; Natural Herbicides; Phytoremediation

Research Supervision: 25 PhD Theses

Research Projects Undertaken:

- 5 (from DST, CSIR, UGC, NMHS) as Principal Investigator
- 5 (from DST, MoEF, UT-DST) as Co-PI

Peer Recognition

- Peer reviewer of over 50 International SCI journals published by Elsevier, Springer, Taylor and Francis, Wiley, American Chemical Society, etc.

Research Recognition

- Paper entitled "*Phytotoxicity of lemon-scented eucalypt oil and its potential use as a bioherbicide*" in the journal ***Crop Protection*** **(vol. 23, 1209-1214)** ranked among **TOP 25 Hottest Articles** by **Science Direct (Elsevier Ltd.).**
- Paper entitled "*Phytotoxic effect of Parthenium hysterophorus residues on three Brassica species*" ranked as one of the **TOP 20 Most Popular Articles** in the journal ***Weed Biology and Management*** **(Blackwell Science) as on 16/2/2007.**
- Paper entitled "*Herbicidal activity of volatile oils from Eucalyptus citriodora against Parthenium hysterophorus*" ranked among **TOP 20 Most Popular Articles** published in ***Annals of Applied Biology*** **(Blackwell Science).**
- Paper entitled "*Root mediated allelopathic interference of nettle-leaved goosefoot (Chenopodium murale) on wheat (Triticum aestivum)*" ranked among **TOP 20 Most Popular Articles** published in ***Journal of Agronomy and Crop Science*** **(Blackwell Science).**
- Paper entitled "*Phytotoxic effect of Parthenium hysterophorus residues on three Brassica species*" ranked as one of the **TOP 20 Most Cited Articles** in the journal ***Weed Biology and Management*** **(Blackwell Science) as on 1/9/2007.**
- Paper entitled "*Herbicidal activity of volatile oils from Eucalyptus citriodora against Parthenium hysterophorus*" ranked among **TOP 20 Most Cited Articles** published in ***Annals of Applied Biology*** **(Blackwell Science).**
- Paper entitled "*Nitric oxide (as Sodium nitroprusside) supplementation ameliorates Cd toxicity in hydroponically grown wheat roots*" in the journal ***Environmental and Experimental Botany*** **(vol. 63, 158-167)** ranked among **TOP 25 Hottest Articles (January – March 2008)** by Science Direct (Elsevier Ltd.).