



Manoj Kumar Rai

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ACADEMIC QUALIFICATION

Ph.D. (Botany), Banaras Hindu University, Varanasi

M.Sc. (Botany), Udaï Pratap Autonomous College, Varanasi

RESEARCH PROFILE

No. of research/review papers	41
No. of book chapters	6
JCR impact factor	80
Total Google Scholar citations	1760
<i>h</i> index	22
<i>i10</i> index	33

FELLOWSHIP AND AWARDS

SERB Start Up Research Grant (Young Scientist)

Dr. D.S. Kothari Post-doctoral fellowship

CSIR-UGC NET JRF

Prof. B.M. Johri Best Poster Award in PTCA (India) meet, 2011

RESEARCH/REVIEW PAPERS PUBLISHED IN JOURNALS

Biotechnology advances (IF -10.597), Critical Review in Biotechnology (IF - 6.542), Plant Cell Tissue and Organ Culture (IF – 2.002), Molecular Biology Reports (IF - 1.828), Gene (IF - 2.415), Environmental and Experimental Botany (IF - 4.369), Euphytica (IF – 1.626), Industrial Crops and Products (IF – 3.181), AoB Plants (IF - 2.238), Applied Biochemistry and Biotechnology (IF - 1.751), Trees-Structure and Function (IF - 1.842), Scientia Horticulturae (IF – 1.624), Acta Physiologiae Plantarum (IF - 1.364), Genetic Resources and Crop Evolution (IF - 1.294), Physiology and Molecular Biology of Plants (IF - 0.883), Journal of Horticultural Science and Biotechnology (IF - 0.538), Arid Land Research and Management (IF - 1.015), Proc Nat Acad Sci India Sec B: Biol Sci, Indian Journal of Plant Physiology

SELECTED PUBLICATIONS

- Rai MK, Akhtar N, Jaiswal VS (2007) Somatic embryogenesis and plant regeneration in *Psidium guajava* L. cv. Banarasi local. **Scientia Horticulturae** 113:129-133.
- Rai MK, Asthana P, Singh SK, Jaiswal VS, Jaiswal U (2009) The encapsulation technology in fruit plants – A review. **Biotechnology Advances** 27:671-679.
- Rai MK, Kalia RK, Singh R, Gangola MP, Dhawan AK (2011) Developing stress tolerant plants through in vitro selection – an overview of the recent progress. **Environmental & Experimental Botany** 71: 89-98
- Rai MK, Phulwaria M, Shekhawat NS (2013) Transferability of simple sequence repeat (SSR) markers developed in guava (*Psidium guajava* L.) to other Myrtaceae species. **Molecular Biology Reports** 40:5067–5071
- Rai MK, Shekhawat NS (2015) Genomic resources in fruit plants: an assessment of current status. **Critical Reviews in Biotechnology** 35: 438-447

Google scholar profile: <http://scholar.google.co.in/citations?user=r1foUwkAAA&hl=en>

ResearchGate Profile: https://www.researchgate.net/profile/Manoj_Rai3 (R⁶ Score 29.66)

POST DOCTORAL RESEARCH EXPERIENCE

Young Scientist, SERB, JNV University, Jodhpur

D.S. Kothari Post Doc Fellow, JNV University, Jodhpur

Research Project	2
Conferences presentation	6
NCBI Database: Short Read Archive (SRA) - 1; Transcriptome Shotgun Assembly (TSA) -1; Bio-project - 1; Bioproject – 1; Nucleotide sequences – 8	
Reviewed more than 30 papers of international journals	

RESEARCH INTEREST

Environmental Biotechnology, Tree Biotechnology, *In vitro* conservation, Plant tissue culture

MEMBERSHIP

IAPB (International Association of Plant Biotechnology)