

CURRICULUM VITAE

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Dr. GIRISH RAI (Assistant Professor & Head of Department of Botany)

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Present address:

Govt. Swami Vivekanand College Teonthar, District –Rewa , Madhyapradesh.

Academic Qualifications:

Degree/Certificate	School/University/Board	Year of passing	%Marks /CGPA	Subjects
Ph.D.	CSIR-Indian Institute of Toxicology Research	2017	7.13/10	Biological science
M.Sc.(Biochemistry)	University of Hyderabad	2010	8.35/10	Biochemistry
B.Sc. (Hons.)	Banaras Hindu University	2007	67	Botany, Zoology, Chemistry
Intermediate	JNV/CBSE	2002	70	Hindi, English, Physics, Chemistry, Biology
Matriculation	JNV/CBSE	2000	68	Hindi, English, Math., Science, Soc. Sc.

Awards and Honours:

1) Joint CSIR-UGC-JRF national eligibility test (NET) award 2010 for pursuing research in Indian institutes and universities. (**UGC -JRF, Roll No: 324659**)

All India GATE examination 2010, Reg. No.:XL1320681 (**All India Rank: 105, Score: 540, Percentile: 98.99**)

National and international conferences attended:

1. Poster presentation for XXXII Annual Conference of Society of Toxicology (STOX-India) & International Symposium on New Frontiers in Toxicology, 2012 held in CSIR-IITR, Lucknow, India.
2. Poster Presentation for Tenth CMC conference on Cellular and Molecular Medicine Cancer, Stem Cells & Inflammation January 5 - 7, 2012 Vellore, Tamil Nadu
3. Pre conference workshop and poster presentation for 33rd Annual Convention of Indian Association for Cancer Research (IACR-2014 Conference), 2014 held in kollam, Kerala, India.
4. Oral Presentation for International Conference on Updates in Cancer Prevention and Research(ICUCPR-2017), held in Babasaheb Bhimrao Ambedkar University Lucknow.

Teaching Experience: I have more than 5 year of teaching experience in both UG and PG course in department of Botany

Other interest:

Teaching of plant physiology and Biochemistry, Primary culture of mammary epithelial stem cells (mammospheres formation), Proteomics and transcriptomics study of cancer cells, Study of cell signaling pathways, Study of cell cycle, apoptosis, DNA damage, mitochondrial membrane potential, immunofluorescence by flow cytometry, Study of immunohistochemistry in human/mouse/rat tumor tissues, Study of gene expression by using qRT-PCR on both *in vivo* and *in vitro* experimental models, Protein expression analysis by western blotting.

Publications:

1. **Girish Rai**, Sanjay Mishra , Shankar Suman, Yogeshwer Shukla. Resveratrol improves the anticancer effects of Doxorubicin *in- vitro* and *in vivo* models: Mechanistic insight, (**Phytomedicine**) . <http://dx.doi.org/10.1016/j.phymed.2015.12.020> . **IF-6.7**
2. Shankar Suman, Pradeep Kumar Sharma, **Girish Rai**, Sanjay Mishra, Deepika Arora, Prachi Gupta, Yogeshwer Shukla. Current perspectives of molecular pathways involved in chronic Inflammation-mediated breast cancer, (**BBRC**)doi:10.1016/j.bbrc.2015.10.133. **IF-2.5**
3. Sanjay Mishra, **Girish Rai**, Amit Kumar Srivastava , Amit Kumar Singh, Asrar Ahmad, Shankar Suman, Madhulika Singh, Mohana Krishna Reddy Mudiam, Brijnath Tiwari, Prachi Gupta, Vikas Srivastava,Vijay Kumar, Yogeshwer Shukla. Senescence Associated Inflammatory Responses in Doxorubicin induced Pseudo-Senescent Triple Negative Breast Cancer Cells mediated by miR-34a via SOCS4-IL6-pSTAT3 axis (**American Journal of Cancer Research**) **IF-3.6**
4. **Girish Rai**, Shankar Suman, Sanjay Mishra , Yogeshwer Shukla. Evaluation of growth inhibitory response of combination of Resveratrol and Salinomycin against TNBC: A promising strategies (**Biomedicine and pharmacotherapy**) <http://dx.doi.org/10.1016/j.biopha.2017.02.110>. **IF-6.9**
5. Dietary Polyphenols and its Molecular Mechanism in the Management of Breast Cancer. Author(s): Girish Rai*, Sudhir Kumar Shekhar and Sarfraj Ahmad Siddiqui Pp: 196-218 (23) Doi:10.2174/9781681089522112010012 Publisher: Chapter in Bentham Science)
6. Girish Rai, Ajeet Singh, Garima Shrivastava. Clinical Utility of Black Tea Polyphenols in Chemoprevention and Therapeutics Against Cancer. Research & Reviews: A Journal of Life Sciences. DOI Journal: 10.37591/RRJoLS
7. Modulations of SIRTUINs and Management of Brain Disorders Author(s);, Sudhir Kumar Shekhar and Sarfraj Ahmad Siddiqui, Girish Rai*. Dec 2022 DOI: [10.2174/9789815040197123010006](https://doi.org/10.2174/9789815040197123010006) Publisher: Bentham Science Publishers Pte. Ltd. Singapore

Personal Details:

Father's Name : Mr. Bhupendra Rai Sharma
Mother's Name : Mrs. Pushpa Rai
Date of Birth : 1th January 1986
Nationality : Indian
Marital status : Married
Language Know : English, Hindi
Permanent Address : Village-Kasara, Post-kasara, District-Mau, State-UP,
India

Personal skills:

1. Adaptability to various environments
2. Fast learner
3. A team player with deep sense of responsibility
4. Well organized and easily meet deadlines

Declaration: I declare that the information furnished above is true and correct to the best of my knowledge and belief, and that no related information is concealed. If any discrepancy is observed at any stage, this institute/university will be free to cancel my candidature/selection.

With Best Regards
Yours sincerely,

Dr.Girish Rai(Assistant Professor Botany),

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