

Resume



Personal Details

1. Name and full correspondence address: Dr. Akanksha Jain
Suresh medical and general stores, Main Road
Dongargaon Dist: Rajnandgaon 491661 (C.G)
- Father's Name Mr. Suresh Chand Jain
Mother's Name Mrs. Nirmala Jain
Husband Name Dr. Parag Jain
Gender Female
Marital Status Married
Nationality Indian
2. Email(s) and contact number(s) Mo -9827960143
E-mail:- akankshanakhat@gmail.com
3. Institution Guru Ghasidas vishwavidhyalaya, Bilaspur 495009
4. Date of Birth 20/12/1987
5. Gender (M/F/T) Female
6. Category Gen/SC/ST/OBC Gen
7. Whether differently abled (Yes/No) No
8. Academic Qualification

Classes	Year	Institution/university	Subjects	Marks obtained
Ph.D.	2020	Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.)	Biotechnology	-

M.Sc. Biotechnology	2011	S.o.S in Biotechnology Pt. Ravishankar Shukla university Raipur (C.G.)	Biotechnology	76.56%
B.Sc. Biotechnology	2009	Pt. Ravishankar Shukla University Raipur (C.G.) INDIA	Biotechnology, Chemistry, Botany, Hindi, English, Environment science	74.16%
XII	2005	C.G. Board of Secondary Education	Hindi, English, Physics, Chemistry, Biology	85.4%
X	2003	C.G. Board of Secondary Education	Hindi, English, Sanskrit, Mathematics, Science, Social science	80.4%

9. Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award.

Ph.D.Thesis "Genetic, phytochemical and nutritional characterization of
Curcuma species"

Guide's Name Dr. Dharmendra Kumar Parihar
Assistant Professor
Department of Biotechnology

Institute University Guru Ghasidas Vishwavidhyalaya, Bilaspur (C.G)

10. Work experience (in chronological order).

S.No.	Positions held	Name of the Institute	From	To
1	Guest Lecturer	Department of Botany, Govt. College AmbhagarhChowki (C.G)	August 2013	March 2014
2	Lecturer	School of Biotechnology, Govt. Autonomous Digvijay College Rajnandgaon	July 2014	September 2014
3	Assistant Professor	Rungta College of Science, Bhilai	July 2018	March 2019

4	Assistant Professor	Shri Shankaracharya Mahavidyalaya, Bhilai	January 2020	Continue
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11. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.No	Name of Award	Awarding Agency	Year
1	Gold Medal in B.Sc.	Govt. Digvijay College, Rajnandgaon	2009
2	Merit certificate in M.Sc.	Pt. Ravishankar Shukul University, Raipur	2011
3	GATE 2012	IIT Kharagpur	2012
4	GATE 2013	IIT Mumbai	2013
5	CGSET 2017	CGVYAPAM Govt of Chhattisgagh	2018

12. Publications (*List of papers published in SCI Journals, in year wise descending order*).

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Akanksha Jain, Parag Jain, Dharmendra Kumar Parihar	Comparative Study of In-vitro Antidiabetic and Antibacterial Activity of Non-conventional Curcuma Species	Journal of Biologically Active Products from Nature (Taylor and Francis)	9 (6)	457 - 464	(2019)
2	Akanksha Jain, Dharmendra Kumar Parihar	Molecular Marker Based Genetic Diversity Study of Wild, Cultivated and Endangered Species of <i>Curcuma</i> from Chhattisgarh Region of India for <i>InSitu</i> Conservation	Biocatalysis and Agricultural Biotechnology (Elsevier)	18 (1010 33)	1-8	(2019)

3	Akanksha Jain, Dharmendra Kumar Parihar	Antibacterial, biofilm dispersal and antibiofilm potential of alkaloids and flavonoids of <i>Curcuma</i>	Biocatalysis and Agricultural Biotechnology	16	677–682	(2018)
4	Akanksha Jain, Dharmendra Kumar Parihar	<i>In-Vitro</i> Antidiabetic Potential Of Endangered <i>Curcuma Caesia</i> Rhizome Extracts And Its Characterization By FTIR And GC/HR- MS Analysis	Journal of Advances in Science Engineering and Technology	6(4)	16-22	(2018)
5	Aman Rathore, Niharika Tiwari, Ssimran Jain, Akanksha Jain*	Phytotoxicity Assessment Of <i>Vigna Radiata</i> At Increasing Level Of Mercuric Chloride And Its Morphological Study	Journal of Advances in Science Engineering and Technology	6(4)	23-26	(2018)
6	Akanksha Jain, Dharmendra Kumar Parihar	<i>In vitro</i> Antioxidant and Antidiabetic Activity of Regional Chemotypes of three <i>Curcuma</i> species from Chhattisgarh	Research and Reviews: Journal of Herbal Science	7(1)	13-23	(2018)
7	Akanksha Jain, Dharmendra Kumar Parihar	Nutritional Evaluation of <i>Curcuma</i> Species Collected from Different Agro Climatic Regions of Chhattisgarh	American Journal of Ethnomedicine	4(2):1	1-8	(2017)

13. Detail of patents: Parag Jain, **Akanksha Jain**, Ravindra Kumar Pandey, Trilochan satapathy. herbal acaricidal composition comprising of citrus limetta seed oil as main component for controlling cattle tick rhipicephalus microplus, methods and uses thereof. The Patent Office Journal No. 38/2020, Dated 18/09/2020: 40970

14. Books/Reports/Chapters/General articles etc.: Nil

Poster/Paper presentation

- Akanksha Jain, Sunil Kumar Senapati, Dr. P. K.Naik*. **“In vitro antioxidant activity of non-conventional Curcuma species.”** at Interdisciplinary International seminar organized by Swami Shri Swaroopanand Saraswati Mahavidyalya Hudko Bhilai (C.G) on 22nd to 24th September 2015.[**Poster**]
- Akanksha Jain, Pradeep Kumar Naik, Sunil Kumar Senapati. **“Comparative evaluation of phytochemical, antioxidant and antimicrobial property of three Curcuma species.”** at “3rd International congress society for Ethnopharmacology ethnopharmacology and evaluation of medicinal plants- Global prospective” organized by Department of Life sciences, NCNR, Pt. Ravishankar Shukla University Raipur (C.G) , India; from 19th to 21th February 2016.[**Paper**]
- Akanksha Jain, D. K. Parihar **“Comparative in vitro cytotoxic, antidiabetic, antioxidant and antimicrobial activity of non-conventional Curcuma species collected from Sarguja Chhattisgarh.”** at National semianar on “Innovations and entrepreneurship in Biotechnology” organized by Department of Biotechnology, Guru Ghasidas vishwavidhyalaya, Bilaspur (C.G.), from 26th to 27th December 2016. [**Paper**]
- Akanksha Jain **“DNA fingerprinting of cultivated and wild genotypes of Curcuma species from agroclimatic regions of Chhattisgarh.”** at 15th Chhattisgarh Young Scientists Congress 2017 Rungta College of Engineering & Technology, Bhilai (C.G.) organized by Chhattisgarh Council of Science & Technology Raipur (C.G.) and Chhattisgarh Swami Vivekanand Technical University Bhilai (C.G.), from 28th February to 1 March 2017. [**Paper**].
- Akanksha Jain **“EST SSR based genetic diversity study of wild, cultivated and endangered species of Curcuma collected from Rajnandgaon district.”** at 16th Chhattisgarh Young Scientists Congress 2018 Govt. VYT PG Autonomous College Durg and Bhilai institute of technology Durg (C.G.) organized by Chhattisgarh Council of Science & Technology Raipur (C.G.) from 27th -28th February 2018. [**Paper**].

Seminar/Workshop

- National conference on “Research intervention in biotechnology and its application for sustainable resource utilization” organized by Department of Biotechnology and Microbiology, Rungta college of Science and technology, Bhilai (C.G.), from 7th September 2018 .
- Hands on workshop of “ **Animal cell culture: techniques and its application**” organized by Department of Biotechnology, Guru Ghasidas vishwavidyalaya, Bilaspur (C.G.), from 19th to 25th Januar 2017.
- National semianar on “**Innovations and entrepreneurship in Biotechnology**” organized by Department of Biotechnology, Guru Ghasidas vishwavidyalaya, Bilaspur (C.G.), from 26th to 27th December 2016.
- Life science skill development training workshop on “**Bio-fertilizers and Bio-pesticide**” organized by Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.), India from 22nd to 24th February 2016.
- International conference on “**3rd International congress society for Ethnopharmacology ethnopharmacology and evaluation of medicinal plants- Global prospective**” organized by Department of Life sciences, NCNR, Pt. Ravishankar Shukla University Raipur (C.G) , India; from 19th to 21th February 2016.
- National workshop on “**Genome to Drug: in-silico analysis** ” organized by Bioinformatics Center(of ICMR), Department of Biochemistry, Pt. J.N.M. Medical college Raipur (C.G) from 25th to 31th January 2016.
- **Interdisciplinary International seminar** organized by Swami Shri Swaroopanand Saraswati Mahavidyalya Hudko Bhilai (C.G) on 22nd to 24th September 2015.

Training/Orientation Program

July 2016 – Nov 2016 Training on “DNA fingerprinting of different species of Curcuma genotypes collected from different regions of Chhattisgarh” at Aditya Biotech lab and Research Pvt. Ltd Raipur Chhattisgarh.

Skills & Activities Known

Biochemical and analytical techniques: Colorimetric & Spectrophotometric estimation of proteins and DNA, chromatographic separation of proteins, Paper & thin layer chromatography, Liquid Chromatography-Mass Spectroscopy, Gas Chromatography-Mass Spectroscopy, Fourier Transformed Infra Red Spectroscopy, Nuclear magnetic resonance, Thermogravimetric analysis.

Microbiological techniques: Isolation and characterization of microorganisms, Biochemical assay for microorganism, Bacterial growth curve studies, Antibiotic assay, Cell counting, Staining methods, Maintenance of strains, Preparation of biofertilizers and biopesticide, Cultivation techniques of single cell protein (mushroom & spawn production).

Molecular biology: Isolation & purification of nucleic acids (genomic DNA, plasmid DNA, total RNA), Gel electrophoresis, Restriction digestion, Blotting techniques, Gel documentation, DNA fingerprinting (RAPD).

Plant tissue culture techniques: Explant culture, Callus culture, Suspension culture, Embryo culture, Protoplast isolation and its culture, Artificial seed production.

Immunology: Immunodiffusion, ELISA, ABO blood grouping.

Bioinformatics & computers: Multiple sequence alignment, Pair wise alignment, BLAST, FASTA, phylogenetic analysis, QSAR modeling, homology modeling, primer designing, Graphpad prism, docking, MS-office etc.

Animal tissue culture techniques: Primary secondary cell culture, cell viability assays, MTT assay, cell counting.

ACHIEVEMENTS:

Got Startup Grant By RABI RABTAAR IGKV Raipur And IARI New Delhi. Central Govt Of India. Incorporate Company Praktikum Agritech.Llp.

D R . AKANKSHA JAIN