Curriculum Vitaè

Name	**DR. AFAQUE QURAISHI**
Father's Name	Dr. G.M. Quraishi
Date of Birth	January 12, 1969
Present Status	Associate Professor SoS in Biotechnology Pt. Ravishankar Shukla University Raipur (Chhattisgarh) 492 010 +91 771 2263022 (O); +91 98274 04266 (M) E. mail: drafaque13@gmail.com

Education:

Ph.D. in Bioscience (1998) from Pt. Ravishankar Shukla University, Raipur (CG), on: "Studies on *in vitro* regeneration of some fuel-wood species"

M.Sc. Botany (1990) from Guru Ghasidas University, Bilaspur (CG)

FELLOWSHIPS RECEIVED:

Research Associate, CSIR:

Project Title:	Micropropagation and Somaclonal variation assessment of Neem & Mangium
Agency:	Council of Scientific and Industrial Research, New Delhi
Duration:	2002 to 2004

Project Fellow (JRF / SRF):

Project Title:	Biomass Research Center
Agency:	Ministry of Non-Conventional Energy Sources, New Delhi
Duration:	1991 to 1996

POSITIONS HELD

1. Associate Professor in Biotechnology

UTD:	Pt. Ravishankar Shukla University, Raipur CG
Duration:	15/09/2020 to continue

2. Assistant Professor in Biotechnology

UTD:	Pt. Ravishankar Shukla University, Raipur CG
Duration:	15/09/2008 to 15/09/2020

3. Coordinator (Life Science Dept):

College:	Mahaveer Academy of Technology & Sciences, Pandri, Raipur CG
Duration:	2006 to 2007

5. Lecturer in Biotechnology:
College: Rai Foundation College (Erstwhile Rai University), Raipur (CG)
Duration: 2004 to 2006

6. Scientist:
Plant Tissue Culture Industry: Shrishrimal Plantation Ltd, Raipur CG
Duration: 1996 to 2001

Awards

Best Oral Presentation: Quraishi Afaque, Keshavkant S & Chauhan R (2018). Impact of elicitors on production of diosgenin in micro-tubers of Safed Musli. National Conference on 'Plant and Microbial Products: Progress, Potential & IPR issues' at Dept of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (CG), 7-9 Feb 2018, pp 34

Young Scientist Award (1994) by Madhya Pradesh Council of Science and Technology; at Sagar (MP), on paper "*In vitro* micropropagation from nodal segments of *Cleistanthus collinus* Benth."

RESEARCH PROJECTS:

PI: "Herbal Treatment for the Rheumatoid Arthritis" Pt. Deendayal Upadhyay Memorial Health Sciences and AYUSH University of Chhattisgarh, Raipur. Rs. 3 Lakh (2018-19). Sanction No. F-178/2482/DUHS/Acad/2018 dated 16.05.2018

PI: "True-to-type *in vitro* conservation of Safed Musli (*Chlorophytum borivilianum* Sant. Et Fernand.): a rare medicinal plant of India" Chhattisgarh Council of Science & Technology, Raipur. Rs. 5 Lakh (2014-17). Endt. No. 1089/CCOST/MRP/2014 dated 04.09.2014

Co-PI: "National Centre for Natural Resources" (NCNR) Dept. of Science & Technology, New Delhi, Rs. 9.05 Cr. (2012-17)

Co-PI: "Screening of Microbes for Bioethanol production from Mahua (*Madhuca indica*) flowers" UGC Major Project: Rs. 7.41 Lakh (2011-14)

Co-PI: "Development & standardization of micropropagation protocol for banana & sugarcane" CG COST: Rs. 3.63 Lakh (2008-09)

PUBLICATIONS:

Research Papers [I] Indian Journals; [F] Foreign Journals; [JIF: 0.000]:

Agrawal Tripti, **Quraishi Afaque** (2023) *Buchanania lanzan* Spreng: An underutilised and valuable tropical fruit tree native to Indian forests. Journal of Ravishankar

University (Part-B: Science), 36(2), pp. 126-143. https://doi.org/10.52228/JRUB.2023-36-2-9

Agrawal Tripti, **Quraishi Afaque** (2023) Assessing the genetic diversity of *Buchanania lanzan* Spreng. (Chironji) using inter simple sequence repeat markers. Genetic Resources and Crop Evolution, doi.org/10.1007/s10722-023-01812-4 [F] [JIF: 2.0]

Anjum Afreen, **Quraishi Afaque** (2023) Enhanced epicurzerenone production via *in vitro* elicitation of microrhizomes of *Curcuma caesia* Roxb. *In vitro* Cellular & Developmental Biology: Plant, doi.org/10.1007/s11627-023-10390-0 [F] [JIF: 2.6]

Anjum Afreen, Singh Vikram, Adil Smriti, **Quraishi Afaque** (2022) *In vitro* propagation of *Curcuma caesia* Roxb. via bud culture technique and ISSR profiling of the plantlets for genetic homogeneity. Research Journal of Biotechnology 17(12):48-54 doi: https://doi.org/10.25303/1712rjbt48054; [I] [JIF: 0.2]

Kumbhakar SK, Chauhan R, Singh V, Jadhav SK, Q**uraishi Afaque** (2022) Screening of a new candidate tree legume- *Pithecellobium dulce* (Roxb.) Benth., for lead remediation. Brazilian Journal of Botany 45:929–942 https://doi.org/10.1007/s40415-022-00830-3 [F] [JIF: 1.6]

Adil S, Singh V, Anjum A, **Quraishi Afaque** (2022) A mini-review on electrotherapeutic strategy for the plant viral elimination. Plant Cell, Tissue and Organ Culture 150:41-55 https://doi.org/10.1007/s11240-022-02265-w [F] [JIF: 3.0]

Kumbhakar SK, Chauhan R, Jadhav SK, Q**uraishi Afaque** (2022) Lead induced-toxicity in vegetables, its mitigation strategies, and potential health risk assessment: a review. International Journal of Environmental Science and Technology 20:5773–5798 https://doi.org/10.1007/s13762-022-04025-x [F] [JIF: 3.1]

Singh Vikram, Adil Smriti, **Quraishi Afaque** (2022) Elimination of BBTV via a systemic *in vitro* electrotherapy approach. Journal of Virological Methods 300:114367 doi.org/10.1016/j.jviromet.2021.114367 [F] [JIF: 3.1]

Singh Vikram, Chauhan Ravishankar, Kaur Inderpal, **Quraishi Afaque** (2021) Assessment of culture medium without commercial ammonium nitrate for *in vitro* culture of industrially important plant species. Plant Cell, Tissue and Organ Culture 148:95–106 https://doi.org/10.1007/s11240-021-02167-3 [F] [JIF: 3.0]

Chauhan R, Singh V, Keshavkant S, **Quraishi Afaque** (2021) Vitrification-based cryopreservation of *in vitro*-grown apical meristems of *Chlorophytum borivilianum* Sant et Fernand: a critically endangered species. Proceedings of the National Academy of Sciences India Section B-Biological Sciences 91(2):471-476 [SCI & Scopus indexed] [I]

Paul JS, Jadhav SK, **Quraishi Afaque,** Naik ML (2020) Ferret out a Natural Bio-Pesticide: *Ophicordyceps nutans* in Central India and its interaction analysis with Tree Stink Bug. Proceedings of the Zoological Society 73(3):316–319 https://doi.org/10.1007/s12595-020-00328-4 [SCI, Scopus indexed] [I]

Singh Vikram, Chauhan R, **Quraishi Afaque** (2020) Sensitive and closed tube plant DNA virus detection via PCR. Research Journal of Biotechnology 15(6):111-116 [I] [JIF: 0.2]

Ekka G, Jadhav SK, **Quraishi Afaque** (2020) Effect of exogenous additives on oxidative stress and defense system of a tree – *Zanthoxylum armatum* DC. under *in vitro* conditions. Plant Cell, Tissue and Organ Culture 140:671-676 [F] [JIF: 3.0]

Kaur Inderpal, Khandwekar S, Chauhan R, Singh V, Jadhav SK, Tiwari KL, **Quraishi Afaque** (2019) Exploring the efficiency of native tree species grown at mine tailings for phytoextraction of Iron and Lead. Proceedings of the National Academy of Sciences India Section B-Biological Sciences 89(3):951-956 (SCI) [I]

Singh Vikram, Koche Vijaya, **Quraishi Afaque** (2019) *In vitro* antiviral chemical treatment to BBTV-infected banana cultures for production of virus-free plants. Research & Reviews: A Journal of Life Sciences 9(3):11–16 (UGC Journal no. 62799) [I]

Agrawal T, Jadhav SK, **Quraishi Afaque** (2019) Bioethanol production from *Madhuca latifolia* L. flowers by a newly isolated strain of *Pichia kudriavzevii*. Energy & Environment 30(8):1477–1490 [F] [JIF: 4.2]

Agrawal T, Jadhav SK, **Quraishi Afaque** (2019) Bioethanol production from an agrowaste, deoiled rice bran by *Saccharomyces cerevisiae* MTCC 4780 via optimization of fermentation parameters. EnvironmentAsia 12(1):20-24 (SCI, Scopus Indexed; UGC Journal no. 19858) [F]

Kaur Inderpal, Jadhav SK, Tiwari KL, **Quraishi Afaque** (2018) Lead tolerance and its accumulation by a tree legume: *Dalbergia sissoo* DC. Bulletin of Environmental Contamination and Toxicology 101:506-513 [F] [JIF: 2.807]

Singh Vikram, Koche Vijaya, **Quraishi Afaque** (2018) Viral Elimination Strategies for *Musa* spp. Research & Reviews: A Journal of Microbiology and Virology 8(1):7-14 (UGC Journal no. 48607) [I]

Chauhan R, Keshavkant S, **Quraishi Afaque** (2018) Enhanced production of diosgenin through elicitation in micro-tubers of *Chlorophytum borivilianum* Sant et Fernand. Industrial Crops & Products 113:234-239 [F] [JIF: 5.9]

Quraishi Afaque, Mehar Snigdha, Sahu Durga, Jadhav SK (2017) *In vitro m*id-term conservation of *Acorus calamus* L. *via* cold storage of encapsulated microrhizome. Brazilian Archives of Biology and Technology 60:e17160378; DOI 10.1590/1678-4324-2017160378 [F] [JIF: 1.0]

Chauhan R, **Quraishi Afaque**, Jadhav SK, Keshavkant S (2016) A comprehensive review on pharmacological properties and biotechnological aspects of Genus *Chlorophytum*. Acta Physiologiae Plantarum 38:116; DOI 10.1007/s11738-016-2132-8 [F] [JIF: 2.6]

Chauhan R, Keshavkant S, Jadhav SK, **Quraishi Afaque** (2016) *In Vitro* Slow-Growth Storage of *Chlorophytum borivilianum* Sant et Fernand: A Critically Endangered Herb. *In vitro* Cellular & Developmental Biology: Plant 52(3):315-321; DOI: 10.1007/s11627-016-9756-7 [F] [JIF: 2.6]

Sethia Kiran, Kaushik Alka, Jadhav SK, **Quraishi Afaque** (2015) Effect of operational parameters on cow dung mediated microbial fuel cell. World Journal of Engineering 12(6):541-550 (SCI, Scopus indexed) [F]

Chandrawanshi NK, Jadhav SK, Tiwari KL, **Quraishi Afaque** (2015) *In vitro* tuberization and colchicine content analysis of *Gloriosa superba* L.

Biotechnology 14(3):142-147 DOI: 10.3923/biotech.2015.142.147 (Scopus indexed) [F]

Chauhan R, Jadhav SK, **Quraishi A** (2014) An efficient seed germination and seedling establishment protocol hybrid *Carica papaya* Linn. with application of plant growth regulator. Biotechnology 13(3):139-142 (Scopus indexed) [F]

Quraishi A, Jadhav SK, Gupta S (2011) *In vitro* clonal propagation *of Cassia tora* L. (Coffee Pod): A medicinal plant. Biotechnology 10(6): 546-550 (Scopus indexed) [F]

Sharma P, Koche V, **Quraishi A**, Mishra SK (2005) Somatic embryogenesis in *Buchanania lanzan* Spreng. *In vitro* Cellular & Developmental Biol.: Plant 41: 645-647 [F] [JIF: 2.6]

Quraishi A, Koche V, Sharma P, Mishra SK (2004) *In vitro* clonal propagation of neem (*Azadirachta indica*). Plant Cell, Tissue & Organ Culture 78(3): 281-284 [F] [JIF: 3.0]

Quraishi A, Mishra SK (1998) Micropropagation of nodal segments from adult trees of *Cleistanthus collinus.* Plant Cell Reports 17(5): 430-433 [F] [JIF: 6.2]

Quraishi A, Koche V, Mishra SK (1997) Micropropagation of *Lagerstroemia parviflora* through axillary bud culture. Silvae Genetica 46(4): 242-245 [F] [JIF: 1.0]

Quraishi A, Koche V, Mishra SK (1996) *In vitro* micropropagation from nodal segments of *Cleistanthus collinus.* Plant Cell Tissue & Organ Culture 45: 87–91 [F] [JIF: 3.0]

Quraishi A, Biswas J, Mishra SK (1996) Seed weight related germination capacity in *Cleistanthus collinus.* Indian Journal of Forestry 19(1): 79 – 82 [I] [NAAS score: 3.78]

Sequence submitted to the NCBI

A partial Gene sequence of the banana bunchy top virus isolate Raipur coat protein gene has been submitted and published in NCBI Genbank- accession number MK614017 (Central Chhattisgarh, Raipur, India).

Book edited

Jadhav SK, Sahu KK, **Quraishi A**, Shukla KK, Chandrawanshi NK (2014) Biotechnology and traditional knowledge. Biotech Books, New Delhi (ISBN: 978-81-7622-330-0) Sept 2014

Book Chapters

Ekka G, Jadhav SK, **Quraishi Afaque** (2020) An overview of Genus *Zanthoxylum* with special reference to its herbal significance and application. In: M Akram, RS Ahmad (Eds) Herbs and Spices, IntechOpen, London, UK; http://dx.doi.org/10.5772/intechopen.92459 (ISBN 978-1-83962-936-5)

Chauhan R, Singh Vikram, **Quraishi Afaque** (2019) *In vitro* conservation through slow-growth storage. In: M Faisal, AA Alatar (Eds) Synthetic Seeds, Springer Nature Switzerland AG 2019, pp 397-416; https://doi.org/10.1007/978-3-030-24631-0_19 (ISBN 9783030246303)

Quraishi A (May, 2013) *In vitro* clonal propagation of forests trees: By bud culture technique. In: Modern Biotechnology and its Applications: Part 1. KK Behera

(Ed.) New India Publishing Agency, New Delhi, pp 47-56 (ISBN: 9789381450833)

Served as a Resource Person

Judge for Life Sciences stream in 37th Young Scientist Congress organized by Madhya Pradesh Council of Science & Technology, Bhopal and Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya (MP), 14 – 17 March 2022 (Online mode)

Chairperson of a Technical Session at the "International E-Conference on Recent Advances in Biological Sciences & Opportunities in Entrepreneurship" jointly organized by the School of Studies in Biotechnology & Alumni Association of Biotechnology, Pt. Ravishankar Shukla University, Raipur (India) in academic partnership with Pt. Deendayal Upadhyay Memorial Health Sciences & Ayush University of Chhattisgarh, Raipur (India), 7-8 Jan 2022

Judge in the '29th State Level Children Science Congress' organized by Chhattisgarh Council of Science & Technology, Raipur, 6 – 8 Dec 2021

Judge for Life Sciences stream in 36th Young Scientist Congress organized by Madhya Pradesh Council of Science & Technology, Bhopal and Vikram University, Ujjain (MP), 23-26 March 2021 (Online mode)

Judge for Life Sciences stream in 35th Young Scientist Congress organized by Madhya Pradesh Council of Science & Technology, Bhopal at Shri Govindram Seksari Institute of Technology and Science, Indore (MP), 28-29 Feb 2020

Chairperson for the Poster Presentation Session I in the 3rd International Congress of the Society for Ethno-pharmacology, India- "Ethno-pharmacology & Evaluation of Medicinal Plants – Global Perspectives". National Center for Natural Resources, Pt. Ravishankar Shukla University, Raipur, Feb 19-21, 2016

Invited Lectures

"*In vitro* elimination of banana bunchy top virus from infected cultures" (18.01.2023) National Conference on 'Innovation and Emerging Novel Research in Plant Sciences' organized by the Dept of Botany, Govt. VYT PG College, Durg (Chhattisgarh)

"Critical aspects for tissue culture of the woody plant species" (22.02.2019) International Training Program on Commercial Plant Tissue Culture at Raipur (India), organized by Biotech India Consortium Limited, New Delhi, under the aegis of Ministry of External Affairs, Govt. of India

"Key Steps of Micropropagation" (20.11.2017) International Training Program on Commercial Plant Tissue Culture at Raipur (India), organized by Biotech India Consortium Limited, New Delhi, an organization created by an initiative of the Department of Biotechnology, Government of India

"Prevention of Contamination and Elimination of Endophytes during tissue culture" (28.11.2017) International Training Program on Commercial Plant Tissue Culture at Raipur (India), organized by- Biotech India Consortium Limited, New Delhi, an organization created by an initiative of the Department of Biotechnology, Government of India

"Plant Tissue Culture: Techniques & Applications" (27.02.2016) Workshop on 'Implication of plant tissue culture on plant biodiversity' Sai College, Sector 6, Bhilai (Chhattisgarh)

Reviewer of the Journals:

- Bulletin of Environmental Contamination and Toxicology [JIF: 2.807]
- Industrial Crops and Products [JIF: 5.9]
- European Journal of Plant Pathology [JIF: 1.8]
- International Journal of Environmental Science and Technology [3.1]
- Journal of Plant Diseases and Protection [JIF: 1.847]

Reviewed Ph.D. thesis

A doctoral thesis by Mr. Ademola Emmanuel Adetunji entitled "Physiological and biochemical investigations into the reinvigoration of deteriorated *Brassica oleracea* (cabbage) and *Lactuca sativa* (lettuce) seeds with antioxidants and inorganic salt solutions" from University of KwaZulu-Natal, Durban, South Africa (2021)

Paper presented in Seminars / Conferences:

Quraishi Afaque (2019) Rapid, sensitive and closed-tube detection of plant DNA virus through PCR. Second International Conference on Fostering Interdisciplinary Research in Health Sciences (ICFIRHS) at AIMST University, Bedong, Malaysia, 14-15 Sept 2019

Quraishi Afaque (2019) A rapid assay to diagnose banana bunchy top virus in various symptomatic and asymptomatic banana plants. International Conference on 'Fostering Interdisciplinary Research in Medicines' at University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur CG, 19-21 Jan 2019

Quraishi Afaque, Keshavkant S & Chauhan R (2018). Impact of elicitors on production of diosgenin in micro-tubers of Safed Musli. National Conference on 'Plant and Microbial Products: Progress, Potential & IPR issues' at Dept of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (CG), 7-9 Feb 2018, pp 34

Chauhan R, **Quraishi Afaque**, Jadhav SK & Keshavkant S (2016) *In vitro* conservation of *Chlorophytum borivilianum* Sant *et* Fernand, via vitrification based cryopreservation. 3rd International Congress of the Society for Ethno-pharmacology, India- "Ethno-pharmacology & Evaluation of Medicinal Plants – Global Perspectives. National Center for Natural Resources, Pt. Ravishankar Shukla University, Raipur, Feb 19-21, 2016, pp 73

Naik ML, Jadhav SK, Lader S, Bhushan S, Sharma DK, Nishad CK & **Quraishi A** (2016) A phyto-sociological analysis of forests of Raigarh (CG) district. National Seminar on 'Innovations & Prospects in Biotechnology' School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur CG, 2 – 4 Jan 2016, pp 36

Mehar S, Jadhav SK & **Quraishi A** (2012) *In vitro* conservation of *Acorus calamus* L. National Seminar on 'Changing Environment and its Impact on Biodiversity.' Dept of Botany, Govt. DB Girls PG Autonomous College, Raipur CG, 11 - 12 Oct 2012, pp 49

Quraishi A (1994) *In vitro* micropropagation from nodal segments of *Cleistanthus collinus* Benth. Ninth M.P. Young Scientist Congress by Madhya Pradesh Council of Science and Technology at Dr. HS Gour Vishwavidyalaya,, Sagar (MP), 28th Feb to 2nd March 1994, pp 22-23.

Quraishi A, Koche V, Mishra SK (1997) Studies on *in vitro* propagation of *Lagerstroemia parviflora*. IUFRO Symposium on Innovations in Forest Tree Seed Science & Nursery Technology at School of Life Sciences, Pt. Ravishankar Shukla University, Raipur, 22nd to 25th Nov 1997, pp 104.

Program organized:

Organizing Secretary of 'Science Promotion Activity'. A two-day program organized by Pt. Ravishankar Shukla University, Raipur CG and funded by Chhattisgarh Council of Science & Technology, Raipur (India). A science quiz on 'Sustainable Development' and a popular science talk on 23rd Sept & 6th Oct 2023, respectively.

Organizing Secretary of 'Science Promotion Activity'. A one-day program organized by Pt. Ravishankar Shukla University, Raipur CG and catalyzed by Chhattisgarh Council of Science & Technology, Raipur. A science quiz on 'Green Energy' and a popular science talk. 15th Feb 2020.

International Training program- Organized a four-day training program on 'banana virus indexing' and 'genetic fidelity testing in tissue-cultured banana plants', for 13 African candidates from July 23 to 26, 2018, funded by Biotech Consortium India Ltd. (BCIL), New Delhi. BCIL is an organization created by the Dept. of Biotechnology, New Delhi, GoI.

Membership in the editorial board

Member of the editorial board- NewBioWorld, a journal of the Alumni Association of School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (Chhattisgarh)

Ph.D. Supervised:

S N	Name of the Scholar	Status/ Award Year	Title
1	Vikram Singh	12.3.2021	Development and standardization of *in vitro* propagation protocol for virus free Banana (*Musa* sp. AAA) cv 'Grand Naine'
2	Ms Smriti Adil	30.1.2023	Exploration of electrotherapy to eliminate banana bunchy top virus from *Musa* spp. (AAA) cultivar 'Grand Nain'
3	Ms Afreen Anjum	Submitted	*In vitro* propagation, elicitation of active component and conservation of Kali haldi (*Curcuma caesia* Roxb.)
4	Ms Tripti Agrawal	Registered	Genetic diversity analysis, *in vitro* seed germination and propagation strategies for *Buchanania lanzan* Spreng.
5	Ms Ankita Rathi	Registered	Exploration of nano seed priming for alleviating salinity stress in rice variety 'Swarna'; as a motel test plant

Supervised M.Sc./M. Phil. Biotechnology Dissertation:

SN	M. Phil. Students	Year	Title of the Dissertations
1	Ms Shabina	2015	Effect of different pre-treatment methods on biohydrogen production from de-oiled rice bran using *Clostridium acetobutylicum* NCIM 2877
2	Ms Anjali Kosre	2015	*In vitro* plant regeneration through meristematic zone of pseudo stem of *Costus pictus* D. Don
3	Ms Rakhi Thakur	2014	Heavy metal 'Lead' tolerance and phytoextraction by *in vitro* grown seedlings of *Leucaena leucocephala* (Lam.) de Wit
4	Ankush Kerketta	2014	Lead tolerance and phytoextraction by *in vitro* grown seedlings of *Dalbergia sissoo* Roxb.
5	Ms Sneha Harishchandra	2014	Lead uptake and effects on *in vitro* grown seedlings of leguminous tree *Peltophorum pterocarpum* (DC.) Backer ex Heyne
6	Ravishankar Chauhan	2013	*In vitro* germination of papaya seeds to develop healthy and disease-free planting material.
7	Ms Poonam Kumari	2013	*In vitro* production of secondary metabolites from *Cleistanthus collinus* (Roxb.) Hook. f.
8	Ms Nikita Admane	2013	Banana bunchy top virus indexing of cultivated and tissue cultured banana plants of Chhattisgarh region.
9	Ms Shraddha Churendra	2013	*In vitro* production of Azadirachtin from Neem tree leaf culture.
10	Satyajit Kanungo	2012	*In vitro* Propagation of *Plumbago zeylanica* L.; A valuable medicinal plant
11	Ms Smriti Adil	2012	Uptake and accumulation of iron and analysis of accumulated metal concentration in Indian Mustard (*Brassica juncea*)
12	Ms Snigdha Mehar	2012	*In vitro* mid-term conservation of *Acorus calamus* L. (Bach)
13	Ms Sheetal Gupta	2011	Micropropagation and characterization of secondary metabolites of *Cassia tora* L. (Charota)
14	Ms Durga Sahu	2011	*In vitro* microrhizome induction, encapsulation and cold storage for germplasm conservation of *Acorus calamus* L. (Bach)
15	Ms Tripti Motgare	2011	Micropropagation in *Vigna radiata* (L.) Wilczek
M.Sc. Students:			
16	Sonam Patel	2023	Enhanced antioxidant activity in *Curcuma caesia* Roxb. Microrhizomes treated with silver nanoparticles
17	Kiran	2023	Enhancing rice seedlings recovery from salinity stress through ascorbic acid amendment: an *in vitro* investigation
18	Moksha Maloo	2023	An *in vitro* inspection of using ascorbic acid treatment for alleviating salinity stress in rice
19	Nandani Netam	2023	Effect of citric acid priming on morphological and biochemical parameters of *Curcuma caesia* Roxb. microrhizomes
20	Yamini Sinha	2023	Effect of citric acid priming on the morphological parameters of *Vigna ungiculata* seeds
21	Sonal Singh Shrivas	2022	Effect of salicylic acid on the morphology and physiology of cold-stressed banana plantlets
22	Vedika Jain	2022	Abscisic acid-mediated changes in the morphological and physiological attributes of the chilling-stressed banana plantlets
23	T Abhilasha	2020	Screening of phytoconstituents, antioxidant and antibacterial potentials of *Hardwickia binata* crude extract
24	Riya Chandrakar	2019	Effect of Lead stress on morphological and biochemical parameters of *Cicer arientium* L.
25	Nikita Patil	2019	Study the changes in morphological and biochemical parameters under the *in vitro* influence of Pb stress in *Glycine max* L.

26	Gitanjali Sahu	2019	Morphological and biochemical response of Chickpea (*Cicer arientium* L.) to water stress
27	Manisha Verma	2019	Salinity induced morphological and physiological changes in *Cicer arientium* L.
28	Monika Yadav	2018	Effect of plant growth regulators in *in vitro* culture of banana (*Musa spp.*)cv. 'Grand Naine'
29	Surabhi Sen	2018	A PCR-based method for the detection of Banana Bunchy Top Virus (BBTV) in banana (*Musa spp*.) cv. 'Grand Naine'
30	Sayali Khandwekar	2017	Dendroremediation of Lead (Pb) and Iron (Fe) from a Tailing discharge canal.
31	Hemlata Markandey	2016	*In vitro* propagation and callus induction in two dicotyledonous species: *Argyreia nervosa* Burm. F. and *Cleistanthus collinus* Roxb.

DECLARATION

I declare that the information above is correct to the best of my knowledge.

Place: Raipur, CG (India) *Dr. Afaque Quraishi*

Date: 12.01.2024