

# CURRICULUM VITAE

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## Biographical Details

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| <b>Name:</b>                  | <b>RAVISHANKAR CHAUHAN</b>  |
| <b>Date of Birth:</b>         | March 18, 1988  |
| <b>Marital Status:</b>        | Unmarried   |
| <b>Parents Name:</b>          | Shri Laxman Chauhan<br>Smt Kanti Devi Chauhan   |
| <b>Corresponding Address:</b> | National Center for Natural Resources<br>Pt. Ravishankar Shukla University<br>Raipur 492 010, CG<br>Mobile Number <b>+91 - 9827991075</b><br>E-mail ID: <b>ravi18bt@gmail.com</b> |
| <b>Residential Address:</b>   | D/S 462, Balgi Project<br>Balgi 495 455, Korba, CG  |
| <b>Specialization:</b>        | Plant Biotechnology   |

## Education

| <b>Qualification</b>            | <b>Board/ University</b>                     | <b>School/ College</b>                         | <b>Session</b>        | <b>Percentage</b> |
|---------------------------------|--|--|-----------------------|-------------------|
| <b>PhD</b><br>Biotechnology     | Pt. Ravishankar Shukla<br>University, Raipur | School of Studies in<br>Biotechnology          | Awarded<br>12-02-2018 | -                 |
| <b>MPhil</b><br>Biotechnology   | Pt. Ravishankar Shukla<br>University, Raipur | School of Studies in<br>Biotechnology          | 2012-13               | 75.80             |
| <b>MSc</b><br>Biotechnology     | Pt. Ravishankar Shukla<br>University, Raipur | School of Studies in<br>Biotechnology          | 2010-12               | 72.50             |
| <b>BSc</b><br>Microbiology      | Guru Ghasidas University,<br>Bilaspur        | Govt. EV Post Graduate<br>College, Korba       | 2007-10               | 68.00             |
| <b>AISSCE (12<sup>th</sup>)</b> | CBSE, New Delhi                              | Jawahar Navodaya<br>Vidyalaya Malhar, Bilaspur | 2005-06               | 67.60             |
| <b>AISSE (10<sup>th</sup>)</b>  | CBSE, New Delhi                              | Jawahar Navodaya<br>Vidyalaya Malhar, Bilaspur | 2003-04               | 72.40             |

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## Thesis/ Dissertation Titles

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| <b>PhD</b>   | Clonal Propagation and Long-term Conservation of <i>Chlorophytum borivillianum</i> Sant et Fernand<br>(Supervisor: Dr Keshav Kant Sahu) |
| <b>MPhil</b> | <i>In Vitro</i> Germination of Papaya Seeds to Develop Healthy and Disease Free Planting Material<br>(Supervisor: Dr Afaque Quraishi)   |
| <b>MSc</b>   | <i>In Vitro</i> Propagation of <i>Plumbago zeylanica</i> Linn. - A Valuable Medicinal Plant<br>(Supervisor: Dr Afaque Quraishi)         |

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## Positions Held

### Post-Doctoral Fellow

National Center for Natural Resources  
Pt. Ravishankar Shukla University, Raipur 492 010  
(From Aug 04, 2018 to Still Continue)

### Guest Lecturer

Center for Basic Sciences  
Pt. Ravishankar Shukla University, Raipur 492 010  
(From Feb 07, 2018 to April 30, 2018)

## Member of Professional Body

### Executive Member

Alumni Association of Biotechnology, Raipur  
School of Studies in Biotechnology, PRSU, Raipur  
(Association's Registration No. 29709)

## Academic Recognitions/ Awards

1. **Secured 2<sup>nd</sup> Rank in the University Merit List** (2012), Pt. Ravishankar Shukla University, Raipur
2. **Chhattisgarh State Eligibility Test** (SET-2013: Life Sciences) CGVYAPAM, Raipur
3. **University Research Scholarship** (2013-14) Pt. Ravishankar Shukla University, Raipur
4. **Junior Research Fellowship** (UGC-RGNF-JRF 2013-15) UGC, New Delhi
5. **Senior Research Fellowship** (UGC-RGNF-SRF 2015-17) UGC, New Delhi

6. **Best Paper Presentation Award:** SFEC-2016, An International Congress, jointly organized by National Center for Natural Resources, PRSU, Raipur & Society For Ethnopharmacology, India (Feb 19-21, 2016)
7. **Resource Person:** In Learning and Activity based Workshop on Laboratory Safety Measures at Govt. Digvijay PG Autonomous College, Rajnandgaon (Jan 28-29, 2019)

## Research Publications

1. **Ravishankar Chauhan**, SK Jadhav, Afaque Quraishi (2014) An efficient seed germination and seedling establishment protocol for hybrid *Carica papaya* Linn. with application of plant growth regulator. *Biotechnology* 13:139-142. [SCOPUS Indexed]
2. **Ravishankar Chauhan**, Afaque Quraishi, SK Jadhav, S Keshavkant (2016) A comprehensive review on pharmacological properties and biotechnological aspects of Genus *Chlorophytum*. *Acta Physiologiae Plantarum* 38:116 [IF: 1.760]
3. **Ravishankar Chauhan**, S Keshavkant, SK Jadhav, Afaque Quraishi (2016) *In vitro* slow-growth storage of *Chlorophytum borivilianum* Sant. et Fernand: a critically endangered herb. *In Vitro Cellular & Developmental Biology-Plant* 52:315-321 [IF: 1.814]
4. **Ravishankar Chauhan**, S Keshavkant, Afaque Quraishi (2018) Enhanced production of diosgenin through elicitation in micro-tubers of *Chlorophytum borivilianum* Sant et Fernand. *Industrial Crops and Products* 113:234-239 [IF: 4.244]
5. Inderpal Kaur, Sayali Khandwekar, **Ravishankar Chauhan**, Vikram Singh, SK Jadhav, KL Tiwari, Afaque Quraishi (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*. 89:951-956 [IF: 0.396]
6. Vikram Singh, **Ravishankar Chauhan**, Afaque Quraishi (2020) Sensitive and closed tube plant DNA virus detection via PCR. *Research Journal of Biotechnology* 15:111-116 [SCOPUS Indexed]

## Book Chapters

1. **Ravishankar Chauhan**, SK Jadhav, Afaque Quraishi (2014) *In Vitro* Propagation of *Plumbago zeylanica*: An Endangered Medicinal Plant of Chhattisgarh. In: Jadhav SK (ed) *Biotechnology and Traditional Knowledge*; pp 63-68 Biotech Books®, New Delhi [ISBN 978-81-7622-330-0]
2. **Ravishankar Chauhan**, Vikram Singh, Afaque Quraishi (2019) *In Vitro* Conservation through Slow-Growth Storage. In: Mohammad Faisal, Abdulrahman A Alatar (eds) *Synthetic Seeds*; pp 397-416 Springer®, Switzerland AG [ISBN 978-3-030-24631-0]

## Abstract Published/ Paper Presented in Conferences\*

1. **Ravishankar Chauhan\***, SK Jadhav, Afaque Quraishi (2013) *In Vitro* Shoot Multiplication of *Plumbago zeylanica*: An Endangered Medicinal Plant of Chhattisgarh. National Conference on Traditional Knowledge & Biotechnology; Organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (Nov 22-24, 2013)
2. **Ravishankar Chauhan\***, SK Jadhav, Afaque Quraishi (2015) *In Vitro* Germination of Hybrid Papaya Seeds. National Seminar on Biodiversity of Medicinal and Aromatic Plants with respect to its Collection, Conservation & Characterization; Organized by GD Rungta College of Science & Technology, Bhilai (Jan 28-29, 2015)
3. **Ravishankar Chauhan\***, Afaque Quraishi, SK Jadhav, S Keshavkant (2016) Modifications in Murashige and Skoog Medium to Overcome the Scarcity of Ammonium Nitrate in R&D Laboratories and Industries of Plant Tissue Culture. National Seminar on Innovations & Prospects in Biotechnology; Organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (Jan 02-04, 2016)
4. **Ravishankar Chauhan\***, S Keshavkant, SK Jadhav, Afaque Quraishi, (2016) *In Vitro* Tuberization and Slow Growth Conservation of *Chlorophytum borivillianum* Sant et Fernand. 3<sup>rd</sup> International Congress Society for Ethno-pharmacology & Evaluation of Medicinal Plants - Global Perspectives; Organized by National Center for Natural Resources, Pt. Ravishankar Shukla University, Raipur & Society for Ethnopharmacology, India (Feb 19-21, 2016) pp 73
5. **Ravishankar Chauhan**, Afaque Quraishi, SK Jadhav, S Keshavkant (2016) *In Vitro* Conservation of *Chlorophytum borivillianum* Sant et Fernand via Vitrification based Cryopreservation. 3<sup>rd</sup> International Congress Society for Ethno-pharmacology & Evaluation of Medicinal Plants - Global Perspectives; Organized by National Center for Natural Resources, Pt. Ravishankar Shukla University, Raipur & Society for Ethnopharmacology, India (Feb 19-21, 2016) pp 73
6. **Ravishankar Chauhan\*** (2016) *In Vitro* Conservation Approaches for *Chlorophytum borivillianum* Sant et Fernand. 14<sup>th</sup> Chhattisgarh Young Scientist Congress; Organized by Bilaspur Vishwavidyalaya, Bilaspur (Feb 28-29, 2016)
7. Afaque Quraishi, S Keshavkant, **Ravishankar Chauhan** (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; Organized by Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (Feb 7-9, 2018) pp 34

8. **Ravishankar Chauhan\***, Vikram Singh, S Keshavkant, Afaque Quraishi, (2019) Cryopreservation of *Chlorophytum borivilianum* Sant et Fernand Meristematic Tips. International Conference on Fostering Interdisciplinary Research in Medicines; Organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur (Jan 19-21, 2019)
9. **Ravishankar Chauhan\***, S Keshavkant, Afaque Quraishi, (2019) *In Vitro* Production of Steroidal Sapogenin in Safed Musli. National Conference on Wild Life: Its Nature, Declined and Conservation in India; Organized by Govt. Digvijay PG Autonomous College, Rajnandgaon (Jan 30-31, 2019)
10. **Ravishankar Chauhan\***, Vikram Singh, S Keshavkant, Afaque Quraishi, (2020) Influence of Preculture and Cryoprotectants on Recovery of Cryopreserved *In Vitro*-Grown Apical Meristems of *Chlorophytum borivilianum*. National Conference on Recent Advances & Trends in Biotechnology; Organized by School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (Jan 10-12, 2020) pp 150

### Participation in Workshop/ Training

1. Hands on Workshop on Cell Manipulation & Confocal Microscopy; at Department of Biochemistry, Pt. Jawaharlal Nehru Memorial Medical College, Raipur (Jul 26-30, 2011)
2. Prospection and Sustainable Use of Medicinal Plants of Chhattisgarh; Organized under the auspices of National Center for Natural Resources, PRSU, Raipur (Sep 10-11, 2012)
3. Hands on Workshop on Molecular Biology (HiPer® Teaching Kits); Organized by HiMedia Laboratories Pvt. Ltd., Mumbai (Oct 13-14, 2014)
4. Seventh Science Conclave & Inspire Internship Program-2014; organized at the Indian Institute of Information Technology, Allahabad (Dec 08-12, 2014)
5. h-index, i10-index and Scopus; organized by IQAC, PRSU, Raipur (Jan 17, 2015)
6. Hands on Workshop on Molecular Biology (HiPer® Teaching Kits); Organized by HiMedia Laboratories Pvt. Ltd., Mumbai (Oct 30-31, 2015)
7. Opportunities and Entrepreneurship in Biotechnology; jointly organized by School of Studies in Biotechnology and Chhattisgarh Biotechnology Promotion Society, Govt. of Chhattisgarh, Raipur (Mar 31, 2017)
8. Hands on Workshop on Nanoparticles, HP-TLC and RT-PCR; in International Conference on Fostering Interdisciplinary Research in Medicines organized by University Institute of Pharmacy, PRSU, Raipur (Jan 19-21, 2019)

Last updated May, 2020