

## **PUBLICATIONS/BOOKS/CHAPTERS/AWARDS/PROJECT:**

### **Gazal Rizvi Associate Professor**

#### **Publications**

1. Viren Tiwari and **Gazala Rizvi**. (2017). Documentation Of Invasive Alien Species Flora In Indo- Nepal Province And Its Impact And Prevention. *Journal of Tropical Forestry* 33(1) Pp no.34-49.
2. Roopam Parashar, **Gazala Rizvi** and Showket A Zargar (2018) Efficacy of chemical fungitoxicans in fruit rot of jackfruit in Jhansi vicinity. ***Journal of Pharmacognosy and Phytochemitry* SP2; 228-230.**
3. BhupenDr.a ,Kiran,Sitaram and **Gazala Rizvi** (2018):Physiology of Yield Determination of Mungbean ( *Vigina radiate* L.)Genotypes to Irrigation at Various Growth Stages in Bundelkhand Region,Jhansi, Uttar Pradesh,India .***International Journal of Pure and Applied Bioscience:6(2):1460-1466.***
4. BhupenDr.a ,Kiran,Sitaram and **Gazala Rizvi** (2018): Study of quatitative traits and association of yield and itscomponents of greengram ( *Vigina radiate* L.) ***International Journal of Pure and Applied Agricultural and Horticultural Science.Vol.9,Issue no.4.July-August,2018.***
5. BhupenDr.a, Kiran,Sitaram and **Gazala Rizvi**, 2018. Study of quatitative traits and associationof yield and itscomponents of greengram (*Vigina radiate* L.) *International Journal of Pure and Applied Agricultural and Horticultural Science.Vol.9, Issue no.4.July-August, 2018.*
6. Priyanka Sinha, **Gazala Rizvi** and Roopam Parashar, 2018. Management of Wilt Disease of Pulses: A Review, *Int. J. Pure App. Biosci.* 6(4): 696-708.
7. Priyanka Sinha, **Gazala Rizvi** and Roopam Parashar, 2018. Study on fungal population in the soil samples of pulses field in Jhansi District. *International Journal of Current Research in Life Sciences*, **7 (11): 2822-2826.**
8. **Gazala Rizvi**, Priyanka Sinha and Roopam Parashar, 2019. Efficacy of Rhizospheric Fungal Bioagent Against Rot of Ginger (*Zingiber officinale* Rosc.). *International journal of basic and applied research*; 9(4): 537-543.
9. Roopam Parashar, **Gazala Rizvi** and Priyanka Sinha, 2019. Seed mycoflora of some pulses collected from Bundelkhand region. *Journal of Pharmacognosy and Phytochemistry*; 8(3): 1981-1985.

10. Suman Lata Gupta, **Gazala Rizvi** and Manish Singh Paijwar, 2019. *Ophiostoma indica*- A New Addition to Keratinophilic Mycodiversity From Jhansi, India. *World Journal of Pharmacy and Pharmaceutical Sciences*. 8(6): 1023-1027.
11. Suman Lata Gupta, **Gazala Rizvi** and Manish Singh Paijwar, 2019. A new Keratinophilic Fungi- Graphium Keratinophilum from Soil of Jhansi (U.P.) India. *World Journal of Pharmacy and Pharmaceutical Sciences*. 8(5): 1653-1657.
12. Shayiestah Maqbool, Irfan Illahi, Azad Gull and **Gazala Rizvi**, 2019. Pathogenesis of mulberry leaf spot in response to meteorological aspects of Kashmir, India. *Archives of Phytopathology and Plant Protection*. 52:3-4, 303-317.
13. Ajaz Ahmad, Fraz Ahmad and Gazala Rizvi, 2019: Antifungal activity of some medicinal plants against *Aspergillus niger*. *American International Journal of Research in Formal, Applied and Natural Sciences*. 19-109, pp 28-30
14. Roopam Parashar, **Gazala Rizvi** and Priyanka Sinha, 2020. Diversity of Rhizospheric mycoflora in Bundelkhand agro-climatic zone of Uttar Pradesh. *Crop Res*. 55(5&8): 287-292.
15. Priyanka Sinha, **Gazala Rizvi** and Deven D. Singh, 2022. Correlation between Physico-chemical Characters and Rhizospheric Mycoflora from Soil of Pigeon Pea Field in Jalaun District. *International Journal of Engineering Applied Sciences and Technology*, 6 (9): 111-118
16. **Gazala Rizvi** and Priyanka Sinha, 2022. Study of Rhizospheric Mycoflora of Turmeric (*Curcuma longa* L.) Growing Areas from Jhansi Vicinity. *International Journal of Engineering Applied Sciences and Technology*, 6(11): 22-29
17. **Gazala Rizvi** and Priyanka Sinha, 2023. Study on The Diversification of Keratinolytic Fungi in Surrounding Areas of Jhansi. *Zeichen Journal*, 9(2): 1-7

### **BOOK AUTHORED:**

1. **Gazala Rizvi** and Priyanka Sinha, 2022. *Laboratory Manual of Plant Pathology*. 1 Ed. Scientific International Pvt. Ltd. ISBN No- 978-93-93168-71-9.

### **BOOKS EDITED:**

1. **Gazala Rizvi** and **Manish Singh Paijwar** (2011): *Biodiversity and Sustainable Agriculture*. Shree Publisher & Distributors, New Delhi. **ISBN: 978-81-8329-399-0**.

## **BOOKSCHAPTER:**

1. Chinuka, MalikT anveer, Gazala Rizvi and **Manish Singh Paijwar** (2011):Biological control of Chilli (Damping off disease) by *Trichoderma sps.* Shree Publisher & Distributors, New Delhi. Page 141-144. **ISBN: 978-81-8329-399-0.**
2. Satish ChanDr.a, Gazala Rizvi, **Manish Singh Paijwar** and A.K. Nayak (2011) of Endophytic fungi of some grasses. Shree Publisher& Distributors, New Delhi. Page 166-171. **ISBN: 978-81-8329-399-0.**
3. RoopamParashar, **GazalaRizvi** (2018) Biocontrol of *Rhizopus stolonifer* causing fruit rot disease of jackfruit (*Artocarpus heterophyllus*). ***Agricultural Diversification for food and Nutritional Security, Biotech Publishers***, New Delhi.
4. PriyankaSinha, **GazalaRizvi** and DevenDr.a Singh, 2022. Study of various soil quality parameters across different cropland of Jhansi district. *In role of applied science and engineering in the development and adoption of green technologies in the energy transition and sustainable development. 1 Ed. Redvick Book (Publisher and Distributor).* **ISBN No- 978-93- 91915-21-6**

## **POPULAR ARTICLES:**

1. Mushtaq Ahmad Rather , **Manish Singh Paijwar**, Shafi Tantrey and Gazala Rizvi, (2008): Post Harvest Management of Black Mould of Stored Onion. *AGROBIOS Newsletter*. Vol. VII, Issue No. 10, Page- 38-39.

## **PROJECT:**

Completed a UGC funded major

**Titled:** “Rhizospheric mycoflora of Ginger (*Zingiber officinale* Rosc.) and their antagonistic potential against wilt/rot disease”. Vide UGC letter No.F.No.37-120/2009 (SR) dated19-09-2009 (Duration03 years.)

## **AWARDS:**

### **1. Best Oral Presentation Award:**

1. **In:** National Symposium on Eco friendly Approaches for Plant Disease Management Recent Trends and Opportunities. During 29-30 December 2016 at ICAR IIPR Kanpur.
2. **Paper title** “Antagonistic efficacy of rhizosphere fungal against rot disease of ginger. **Authors:** GazalaRizvi and Roopam Parashar
3. Dr.GazalaRizviAssociateProfessor,DepartmentofBotany,BundelkhandUniversity Jhansi has been awarded **BEST RESEARCHER AWARD** In the International Scientist Awards on Engineering, Science and Medicine, held on 28 & 29 - Aug-

2021, Trivandrum, India, Organized by VDGGOOD.

## **Gaurav Nigam, Assistant Professor**

### **PUBLICATION**

1. Omar Sultan Teeli, Gaurav Nigam, Hamidullah Dar (2017). Ethnobotany and Reproductive Biology of *Nepeta cataria* L. (Lamiaceae), a threatened medicinal herb of Jammu and Kashmir. *International Journal of Medicinal Plants*. Photon 111, 804-811.
2. Aarif M. Rather, Fayaz Ahmad Dar and Gaurav Nigam (2017). Studies on some medicinal plants used by rural people in Jhansi district, U.P., India. *International Research Journal of Management Science and Technology*, 8 (11), 30-45.
3. Sanjeev Kumar Maurya, and Gaurav Nigam (2018). Some ethnomedicinal weed plants of Bundelkhand region, India. *European Journal of Biomedical and Pharmaceutical Sciences*, 5(2), 724-727.
4. Gaurav Nigam and Divya Bharati (2018). Some traditionally used medicinal plants of Kanpur District, UP, India. *International Research Journal of Biological Sciences* 7 (3), 52-61.
5. Ishfaq Ahmad Wani , Susheel Verma , Renu Gupta , Masood Majaz Ganaie , Gaurav Nigam, Hesham M. Shafik and Fahad A. Al-Misned (2022). Nutrient Analysis and Species Diversity of Alpine Grasslands: A Comparative Analysis of Less Studied Biodiversity Hotspots. *Sustainability*, 14, 887. <https://doi.org/10.3390/su1402088>.

### **Awards:**

1. **Dr. Gaurav Nigam** granted teacher day Award /Honors (Shikshak Samman Puraskar) by **Bundelkhand Janta Degree College, Jhansi** for outstanding contribution in field of higher education on **05 September 2021**.

### **Workshop/Training/Orientation Courses**

1. National Symposium on “DNA Technology & Nanotechnology: Will it Change Medical Science in Future NABL Accreditation Awareness Programme”. Jointly organized by Innovation Centre & Institute of Biomedical Science, Bundelkhand University, Jhansi In collaboration with Smt. Vidyawati Group of Institution, Jhansi on October 01, 2018.
2. Faculty Training Programme on “Advance Scientific Research Equipments” (03-06 Oct. 2018). Organised by “Innovation Centre, Bundelkhand University, Jhansi.
3. Faculty development programme on “Research and Publication Ethics & IPR and Patenting”. (24-30 September, 2020) Funded by the UGC under Stride-I, Bundelkhand University, Jhansi

**Poonam Mehrotra, Assistant Professor**

### **PUBLICATION**

**A. Book – 02 ( 01+01 under process)**

1. **2023 Recent Advances in Biological Science and Environment ISBN-978-93-91193-81-2, [WWW.mangalampublications.com](http://WWW.mangalampublications.com), Mangalam publication New Delhi.**
2. **Under process**  
***B. Research Paper- Communicated /Accepted /Published***
  1. **2023** Assessment of the Efforts for Regeneration of Forest Canopy In Mahoba District - Mitakshara Singh Aditya and **Poonam Mehrotra (Communicated)**
  2. **2023** Revisiting the status of Forest Cover in the context of Plantations in Jhansi District- by Ruchi Divgaiya. **(Communicated).**
  3. **2023** A Review on the Bryophyte Diversity and Distribution Patterns along elevation Gradients of Central province of India. Afreen Kausar and **Poonam Mehrotra (Communicated).**
  4. **2023** Exploring the diversity of Secondary metabolites in Bryophytes. A review. Mitakshara Singh Aditya and **Poonam Mehrotra (Communicated).**
  5. **Poonam Mehrotra, and Jeetram 2023** " Arbuscular mycorrhizal inoculation and Growth of two herbs from Central Himalaya " Mycorrhiza. **(Communicated)**
  6. **Poonam Mehrotra Geeta Kharakwal and Jeetram 2023.** "The canopy influence on the fruiting of ground vegetation in forest of Central Himalaya." Tropical Forest Science. **(Communicated).**
  7. **Poonam Mehrotra, JC Tewari , Beena Tewari and S.P. Singh. 2022.** Ecological strategy and tactics by different growth forms of forbs in energy allocation for their maximum growth and survivorship. Australian Journal of Ecology. **(Communicated).**
  8. **2022-23** Kavita Joshi, Deepa Rana, **Poonam Mehrotra** and Jeet Ram ( 2022-23) . A review on structure and functions of riparian forests. *chapter-3, pp-34-67 ISBN-978-93-91193-81-2.*
  9. **2022-23** J C Tewari, Kamlesh Pareek, Apurav Bhandari and **Poonam Mehrotra ( 2022-23).** Early Growth Performance and Productivity in *Alianthus excelsa Roxb.* Based Agroforestry System in Arid Tropics *chapter-8, pp-143-156, ISBN-978-93-91193-81-2.*
  10. **2022-23 Poonam Mehrotra, Beena Tewari Fulara and Jeet Ram ( 2022-23).** Leaf Trait Plasticity in Some Understory Herbaceous Plants of Kumaun Himalaya. (

**Book Chapter Accepted ).**

11. **Poonam Mehrotra , Beena Tewari Fulara and Jeet Ram (2023) .** Adaptive significance Of Below ground morphology and VAM status of oak forest herbs of central Himalaya. (Communicated).
12. Swati Gupta, **Poonam Mehrotra ( 2022)**“Consumption Trends Of Fuel Wood And Their Impact On Forest In Jhansi District, Uttar Pradesh, India." International Journal of Current Research Vol. 14, Issue, 02, pp.20875-20877, February, 2022  
DOI: <https://doi.org/10.24941/ijcr.43106.02.2022>.
13. Swati Gupta, **Poonam Mehrotra ( MARCH 2020 )** Assessment Of Surface Water Quality Of Mahoba Lakes Using Multivariate Statistical Tools. International Journal Of Scientific & Technology Research Volume 9, Issue 03, ISSN 2277-8616 4737 IJSTR©2020 [www.ijstr.org](http://www.ijstr.org).
14. . Swati Gupta and **Poonam Mehrotra ( JULY/2020)** Biomonitoring of Mahoba Lakes Using Macrophytes . Mukta Shabd Journal Volume IX, Issue VII, JULY/2020 ISSN NO: 2347-3150 ISSN NO: 2347-3150 Impact Factor : 4.63.
15. **Swati Gupta and Poonam Mehrotra (2020)** Biomonitoring and Bioindicators used in Aquatic ( Chapter-01) Ecosystem Current Research Trends In India Independently Published, 2020 ; ISBN, 9798625383752 .
16. **Swati Gupta & Poonam Mehrotra (2020) Status of water Quality of Bundelkhand Lakes.** ( Chapter-07). Ecosystem Current Research Trends In India Publisher, Independently Published, 2020 ; ISBN, 9798625383752 .
17. Swati Gupta, **Poonam Mehrotra (2020)**. Biomonitoring of metals contamination in Aquatic Ecosystems by macrophytes. International journal of scientific & technology research volume 9, issue 02, february 2020 ISSN 2277-8616 4592  
ijstr© [www.ijstr.org](http://www.ijstr.org)
18. Aniat-ul-haq, Rasmi Vamil and **Poonam Mehrotra, (2012). Comparision of growth performance of kalmegh (Andrographis paniculata) in different media**  
International journal  
of forest Vol.2 N012 P 21-25

19. . Aniat-ul-haq, Rasmi Vamil and **Poonam Mehrotra, (2010)**. Effect of Substratum and Sulphuric acid treatment of germination of performance of Kalmegh (*Andrographis paniculata*) \ *journal of Plant Development Sciences*. Vol. 2 (1&2):
20. . Geeta Kharkwal, **Poonam Mehrotra**, and Y.S. Rawat **(2010)**. Biomass production of herb species in broad leaf forests in Kumaun Himalaya, India. *Journal of Forestry Research* (2010) 21(3): 355–360
21. . Sudershana Sharma, Parmanand Sharma **Poonam Mehrotra (2010)**. Bioaccumulation of Heavy Metals in *Pisum sativum L.* **Growing in Fly Ash Amended Soil** *Journal of American Science* ;6(6) .
22. Geeta Kharkwal, **Poonam Mehrotra**, and Y.S. Rawat **(2009)**. Texonomic diversity of understory vegetation in Kumaun Himalayan forest. *Journal of American Science* 5 (6): 1-5.
23. **Poonam Mehrotra** Preeti Dwivedi , , Azad S. Yadav and Geeta Kharakwal **2009**. Structure and TIV potential of plant diversity under *Leucaena* canopy with reference to herbal medicinal economy in semi arid zone. *ARPJ journal of Agriculture and Biological Science* 4 (2) : 74-89.
24. . Preeti Dwivedi , **Poonam Mehrotra** , C.S. Dhanai, Azad S. Yadav and Ambresh Kumar **2009** Population structure of *Leucaena leucophala* in mesic, marshy and dryland stands of semi arid zone Jhansi, *Journal of Ecobiology Palani*.
25. Sudershana Sharma, **Poonam Mehrotra** and A.K. Bhattacharyya **(2008)**. Effect of electroplanting industrial waste on “available phosphorus”soil in relation to other

physic-chemical properties. African J. of Environmental Science and Technology 2 (9): 257-264.

26. **Poonam Mehrotra, 2006-** “Oak: The diversity harbour”. Orientation Course(R-50), CPDHE, Delhi University, New Delhi. Proceeding Published.
27. Geeta Kharkwal and **Poonam Mehrotra (2005)**’ Pattern of plants species richness in relation to altitudinal gradient in Kumaun Central Himalaya ‘ . DST sponsored national workshop on ‘ Integrated management of Natural resources in mountains ( IMNRM) organized at GB Pant Univerty of Agri. & Tech. , Pant Nager Uttranchal . pp1-7. Proceeding published
28. Geeta Kharkwal, **Poonam Mehrotra** and Yashpal.Singh Pangety, **2005**.  
“Comparative studies on species richness diversity and composition of oak forest in Nainital district.” Current Science 89 No4 873- 87.
29. Geeta Kharkwal, **Poonam Mehrotra** Y.S. Rawat, and Y.P.S. Pangety, **2005**.  
"Phytodiversity and growth form in relation to altitudinal gradient in the central Himalayan (Kumaun) region." Current Science 89No5 873- 876.
30. Geeta Kharkwal, **Poonam Mehrotra** and Yashpal.Singh Pangety, **2005**.  
“Comparative studies on species richness diversity and composition of oak forest in Nainital district.” Current Science 89 No4 873- 87.
31. Geeta Kharkwal and **Poonam Mehrotra (2005)**. Pattern of plant species richness in relation to altitudinal gradient in Kumaun Central Himalaya. DST sponsored national workshop on Integrated management of Natural resources in mountains ( IMNRM) organized at GB Pant Univerty of Agri. & Tech. , Pant Nager Uttranchal . pp 1-7.
32. **Poonam Mehrotra**, Geeta Kharkwal and Y.P.S. Pangety, **2004**. “Ecological implication of plants traits, strategies and competitive abilities of herbs.” Applied Ecology and Environment Research, Hungary 2(2) ; 1-13
33. Geeta Kharkwal, **Poonam Mehrotra**, and Y.P.S. Pangety, **2004**. Comparative study of herb layer in pine forest stands at different altitudes of Central Himalaya.” Applied Ecology and Environment Research Journal, Hungary 2(2) : 15:24



34. **Poonam Mehrotra**, Geeta Kharkwal and Y.S. Rawat, **2002**. Dry matter portioning and root length/ leaf area ratio in four common herbaceous plants under two different canopies. J. Indian Botanical Society, 8: 189-93.
35. **Poonam Mehrotra** and Pavan Mehrotra. **2001**. "A relation between canopy structures and herbal economy of central Himalaya." JMAPS.
36. **Poonam Mehrotra and Pavan Mehrotra . 2000**. "The pattern of resource allocation in wild herbs of Oak and Pine forests of Central Himalaya." Oecologia Montanta.
37. **Poonam Mehrotra**, Satish Garkoti and S.P. Singh. **1999**. "Morphological differences and habitat relationships of four common herb species of oak and pine forests of Kumaun Himalaya." Oecologia Montanta . 7,15-20,
38. **Poonam Mehrotra and Pavan Mehrotra. 1999**. "The canopy effect on species richness of ground vegetation at Central Himalaya". Journal of Ecobiology, 3(4):135.
39. **Poonam Mehrotra** and Y.S. Rawat. **1998**. "Canopy effect on the dry matter allocation in different components of evergreen and non-evergreen species of Kumaun Himalaya." Current Science, 75 (12): 1399-1402. (**International REFEREED ISSN ISSN-011-3891** )
40. **Poonam Mehrotra**, Pavan Mehrotra and R.P. Singh. **1997**. "Ecotypic effect on dry matter production in relation to survivorship and reproductive potential in *Artimisia vulgaris* and *Sonchus asper* along climatic gradient." Indian Journal of Ecology, 24 (2): 124-131.
41. . **Poonam Mehrotra**, and Y.S. Rawat . **1997** "Phytosociology and diversity of herbaceous vegetation under oak and Chir -pine forest of Central Himalaya. Journal of hill research 4:127-131.

## **Dr RK Verma**

### **Publication**

1. JitenDr.a Mohan, NarenDr.a Mohan, **R.K. Verma**, and Amit Pandey (2017). Influence of iron chelate on improvement of Eichhornia plant used as phytoremediation treatment of wastewater. *Trends in biosciences* 10(9):1781-1783.
2. Amit Pandey and **R. K. Verma** (2018). Nutritional composition, Taxonomical and phytoremediation status of Duckweed (*Wolffia*): Review. *Annals of Plant Sciences* 7.1: 1928-1931.
3. Amit Pandey and **R.K. Verma** (2018). Performance Evaluation and Remediation of Waste Water by *Typha* Plant. *International Journal of Technical Innovation in Modern Engineering & Science* 4(12):01-04.
4. Amit Pandey and **R.K. Verma** (2018).Taxonomical and pharmacological status of *Typha*: A Review. *Annals of Plant Sciences* 7.3: 2101-2106.
5. Amit Pandey, **RK Verma**, JitenDr.a Mohan (2020). Assessment of growth and composition of aquatic plant *Wolffia Globosa* (L.). *International Journal of Botany Studies* 5 (5): 409-414.
6. Amit Pandey and **R. K. Verma** (2020). Assessment of the efficiency of *Ceratophyllum demersum* in waste water treatment. *Bulletin of Environment, Pharmacology and Life Sciences* 9(4): 117-123.
7. Amit Pandey, **R.K. Verma**, JitenDr.a Mohan (2021). Phytoremediation of wastewater using *Typha latifolia* (L.). *International Journal of Botany Studies* 6(1): 540-546.
8. Ajay Kumar and **R. K. Verma** (2022). Phytosociological Analysis and Distribution Pattern of Woody Species in Selected Forests of Jalaun District, Uttar Pradesh. *Res. Jr. of Agril. Sci.* 13(4): 1055–1061.
9. Ajay Kumar, **R. K. Verma** and Neel Ratan (2023). A study of woody plant species in the forests of Jalaun district of Bundelkhand Region, Uttar Pradesh, India. *E-Journal of Applied Forest Ecology (eJAFE)*, Vol 11, No. 1 (2023) 1 – 13.

### **BOOK CHAPTERS:**

1. Amita Mishra and **Raj Kuamt Verma** (2022). Traditional plant based therapy among rural inhabitants of some villages of Jhansi district of Bundelkhand. **In : *Scope and challenges of Science engineering and technology published by ANVI BOOKS & PUBLICATIONS, DELHI-110053 (INDIA) pp : 157-166. (ISSN/ISBN – 978-93-90856-29-9).***

### **Abstracts published in Seminar/conference/symposium:**

1. **Raj Kumar Verma (2017). Rahabilitation of degraded land through MPTs tree and shrubs under Agroforestry in Semi-arid region of India. In: *Abstract of National***

*Seminar on Conservation of Energy and Environment: Future Strategies* (March 31, 2017), Organized by Department of Botany and Zoology , Govt. post-graduate (Autonomous) College , Datia (M.P.).

2. Ajay Kumar and **R. K. Verma (2018)**. Quantitative assessment and diversity of woody species in forests of Jalaun district, U.P, India. **In:** *Abstract of National Conference on Recent Trends in Applied Forest Ecology* (May 01-02, 2018), Organized by Society for Application of Forest Ecological Research (SAFER) Dehradun .

**Achievements:**

**Award/Honour/Recognition:**

1. **Dr. Raj Kumar Verma** granted teacher day Award /Honors (Shikshak Samman Puraskar) by *Bundelkhand Janta Degree College, Jhansi* for outstanding contribution in field of higher education on **05 September 2021**.
2. **Dr. Raj Kumar Verma** awarded with certificate of excellence by *Journal of Pharmaceutical Research International* for outstanding contribution to the quality of Journal.

**Dr Rajesh Kumar Pandey**

**PUBLICATION:**

**CITATION INDEX (GOOGLE SCHOLAR: CITATIONS: 590, H-INDEX: 9, I-INDEX: 9)**

1. Singh Radha, Dushyant Kumar Singh, **Rajesh Kumar Pandey** and Dileep Kumar Singh (2023). A review on Genetic markers with special reference to Genetic Diversity of Four Economically Important Trees of Myrtaceae Family of Braj Region, India. **Trends in Current Biology** 1(1): 22-28
2. Abha Sacha, **Rajesh Kumar Pandey**, Manvendra Singh, Shailendra Kumar and A.K. Pandey (2022). Structure and distribution of plant parasitic nematodes in Tomato (*Lycopersicon esculentum*) crops at Barwag District Jhansi (U.P.) India. **Microscopy Research and Technique**. (UGC Care, Scopus, WOS).
3. Tiwari, Ajay; **Rajesh Kumar Pandey**, R.N. Sharma and Abhinav Sao (2022). Study on heterosis for seed yield and its components in Pigeon-pea [*Cajanus Cajan* (L.) Millsp.] under early sown condition in Chhattisgarh. *Journal of Food Legumes*. 35 (3):163-169 (ISSN: 0976-2434, IF-Peer reviewed)
4. Dushyant Kumar Singh, **Rajesh Kumar Pandey**, Radha Singh and RK Agnihotri (2022). Parijat (*Nyctanthes arbor-tristis* L.): A Holy tree of India with special reference to medicinal importance. **Academia Journal of Medicinal Plants** 10(4): 049-052. (ISSN: 2315-7720, Peer reviewed IF-1.793)
5. **Rajesh Kumar Pandey**, RK Mishra, Ankush Jadaun and Santosh Pandey (2022). Effect of dates of sowing and genotypes of mungbean on the management of powdery mildew disease caused by fungus *Erysiphe polygoni* on mungbean and their yield attributes. **Annals of Plant Protection Sciences**. 30 (1): 56-65. (ISSN: 0974-0163, IF-0.45, Peer reviewed)
6. Dushyant Kumar Singh, PK Singh, and **Rajesh Kumar Pandey** (2021). Flower phenology and floral morphology *Bauhinia acuminata* L. growing at Gorakhpur District of Eastern Uttar Pradesh. **Journal of Science Innovations and Nature of Earth**. 1(3):01-03. (ISSN: 25832093, Peer reviewed)
7. Dushyant Kumar Singh, PK Singh, **Rajesh Kumar Pandey** and RK Agnihotri (2021). Morphological variation among four species belong to genus *Sida* L. (family Malvaceae) from western Uttar Pradesh. **Egyptian Journal of Botany** 61 (3): 773-780. (ISSN: 23570350 IF-0.99) [https://ejbo.journals.ekb.eg/article/176008\\_7258704314164dec93c57e9b76893c5e.pdf](https://ejbo.journals.ekb.eg/article/176008_7258704314164dec93c57e9b76893c5e.pdf) (UGC Care, SCOPUS, WOS)
8. Dushyant Kumar Singh, PK Singh, **Rajesh Kumar Pandey** and RK Agnihotri (2021). Ethnobotanical approaches, pharmacological and phytochemical benefits of genus *Sida* used in traditional medicines. **Journal of Medical, Pharmaceutical and Allied science**. 10 (4): 3304-3309. (ISSN: 23207418, IF- [https://jmpas.com/download/article/1638459876JMPAS\\_JULY-AUGUST\\_2021.pdf](https://jmpas.com/download/article/1638459876JMPAS_JULY-AUGUST_2021.pdf)) (UGC Care, Scopus)
9. Dushyant Kumar Singh, PK Singh, **Rajesh Kumar Pandey** and RK Agnihotri (2021). Herbarium based study of *Sida* genus collected from western region of Uttar Pradesh, India. **International Journal of Botany Studies**. 6 (1): 525-531. (ISSN: 2455-541X, IF-0.00) <https://www.botanyjournals.com/archives/2021/vol6/issue1/5-5-151> (UGC Care, WOS)
10. **Rajesh Kumar Pandey**, S.R. Singh, and S.K. Singh (2021). Increasing the seed germination and seedlings health of brinjal crops through the management of soil borne *Rhizoctonia solani* and *Meloidogyne incognita* by *Trichoderma virens*, *Glomus fasciculatum* and oilseed cake under nursery condition. **Agriways** 9 (2): 137-140. (ISSN:24542318, IF-0.45, Peer reviewed)
11. **Rajesh Kumar Pandey**, S.R. Singh, and S.K. Singh (2021). Management of *Meloidogyne incognita* and *Rhizoctonia bataticola* in chick pea (*Cicer arietinum*). **Agriways** 9 (2): 103-104. (ISSN:24542318, IF-0.45, Peer reviewed)
12. **Rajesh Kumar Pandey**, S.R. Singh, and S.K. Singh (2021). Evaluation of *Paecilomyces lilacinus* as an effective biocontrol agent against *Meloidogyne incognita* causing root knot disease in tomato. **Agriways** 9 (2): 141-152. (ISSN:24542318, IF-0.45, Peer reviewed)

13. Hashmi Mehjabi, **Rajesh Kumar Pandey** and S. Hashmi (2021). Effect of volatile compound of different isolates of *Trichoderma* Spp. against *Fusarium oxysporum* f.sp. *ciceris* causing wilt of Chickpea. **Journal of Natural Resource and Development** 15 (2) 161-166. (ISSN: 09745033, IF-0.25, Peer reviewed)
14. Hashmi Mehjabi, **Rajesh Kumar Pandey** and S. Hashmi (2021). Biological Control (*Trichoderma* Spp. and *A-Mycorrhiza*) against vascular wilt caused by *Fusarium oxysporum* f. sp. *ciceris* infecting Chickpea. **Journal of Natural Resource and Development** 16 (2) 121-134. (ISSN: 09745033, IF-0.25, Peer reviewed)
15. Hashmi Mehjabi, **Rajesh Kumar Pandey** and S. Hashmi (2020). Comparative efficacy between different *Trichoderma* spp. against vascular wilt causing pathogens *F. oxysporum* f. sp. *ciceris* infecting chickpea. **Journal of Natural Resource and Development** 15 (2) 9-16. (ISSN: 09745033, IF-0.25, Peer reviewed)
16. **Rajesh Kumar Pandey**, Santosh Pandey, Deependra Sharma and Ankush Jadaun (2019). Integrated management of orange blister beetle (*Mylabris pustulata*) infesting on Sesame (*sesamum indicum* L.) by crude extracts of botanical antagonists neem oil and cow urine. **Journal of Applied Bioscience**. 45 (1): 10-17. (ISSN: 0975864x, IF-0.85, UGC Care, WOS)
17. **Rajesh Kumar Pandey** (2016). Studies on integrated management of vascular wilt disease of chickpea crop caused by *Fusarium oxysporum* f. sp. *ciceri* through fungal biocontrol agents, *Glomus fasciculatum*, *Bacillus subtilis* and fungicides. **Indian Phytopathology**. 69 (4): 260-268. (ISSN: 0367973X, IF-0.485, UGC Care, Scopus, WOS)
18. **Rajesh Kumar Pandey** (2015). Integrated management of leaf blight disease caused by *Phytophthora colocasiae* Racib. on colocasia through potential fungicides and bio-control agent under field conditions. **Journal of Natural Resource and Development** 10 (2) 1-4 (NAAS 3.46). (ISSN: 09745033, IF-0.25, Peer reviewed)
19. **Rajesh Kumar Pandey** (2014). Studies on management of early blight disease caused by *Alternaria solani* on tomato crops through fungicides, crude plant extracts and biocontrol agents. **Journal of Natural Resource and Development** 8 (1) 1-7 (NAAS 3.46). (ISSN: 09745033, IF-0.25, Peer reviewed)
20. **Rajesh Kumar Pandey** (2013). Integrated management of collar rot disease caused by *Sclerotium rolfsii* on lentil crops through biological and chemical treatments. **Journal of Natural Resource and Development** 8 (1) 1-7 (NAAS 3.46). (ISSN: 09745033, IF-0.25, Peer reviewed)
21. Saytandra Singh, **Rajesh Kumar Pandey** & B.K. Goswami (2013). Bio-control activity of *Purpureocillium lilacinum* strains in managing root-knot disease of tomato caused by *Meloidogyne incognita*. **Bio-control Science and Technology** 23(12):1469-1489 (NAAS rating 7.4 out of 10). (ISSN: 13600478, 09583157 IF-1.92, UGC Care, Scopus, WOS)
22. **Rajesh Kumar Pandey**, Shahanshi Hashami, Astha Gupta, Gajendra Singh Dhakar and Santosh Pandey (2012). Biological management of web blight disease caused by *Thanatephorus cucumeris* = *Rhizoctonia solani* on urdbean. **Journal of Natural Resource Management and Development** 7 (1):1-13 (NAAS 3.46). (ISSN: 09745033, IF-0.25, Peer reviewed)
23. S.R. Singh, S.K. Singh and **Rajesh Kumar Pandey** (2012). Integrated management of collar rot of lentil caused by *Sclerotium rolfsii*. **International Journal of Plant Protection**. 5 (2): 386-390 (NAAS rating 4.8 out of 10). (ISSN: 0976-6855, IF- Peer reviewed)
24. **Pandey, Rajesh Kumar**; Mukesh Srivastava; P. K. Gupta; SR Singh and B. K. Goswami (2011). First report of brown leaf spot disease caused by *Curvularia lunata* (Wakker) infecting Indian spinach or poi (*Basella rubra* L.) from India. **Indian Phytopathology**, 64 (2): 207 (NAAS rating 4.8 out of 10). (ISSN: 0367973X, IF-0.485, UGC Care, Scopus, WOS)
25. **Pandey, Rajesh Kumar**; SR Singh; P. K. Gupta; B. K. Goswami and Yogita Ghade (2011). Effect of different bioformulations of *Paecilomyces lilacinus*-181 against root knot nematode, *Meloidogyne incognita* infecting tomato. **Indian Journal of Agriculture Sciences**. 81 (3): 261–267. (NAAS rating 6.6 out of 10). (ISSN: 0019-5022, IF- 0.371, UGC Care, WOS)
26. Goswami, Jaideep; **Pandey, Rajesh Kumar**; Goswami, B. K. and Tewari JP (2008). Management of root knot nematode on tomato through application of fungal antagonists, *Acremonium strictum* and *Trichoderma harzianum*. **Journal of Environmental science and**

- Health Part-B**, 44(3):237–240. [Taylor & Francis  
http://www.tandf.co.uk/journals/titles/03601234.asp] (NAAS rating 7.3 out of 10). (ISSN: 03601234, 15324109, IF-2.15, UGC Care, Scopus, WOS)
27. Shakil N. A.; Pankaj; Kumar, J.; **Pandey, Rajesh Kumar** and Saxena D. B. (2008). Nematicidal prenylated flavanones from *Phyllanthus niruri*. **Phytochemistry**. 69(3):759-764 [www.elsevier.com/locate/phytochem] (NAAS rating 7.9 out of 10). (ISSN: 0031-9422, IF- 4.072, UGC Care, Scopus, WOS)
  28. Rathour, K.S., Sharama, S., Ganguly, S. and **Pandey, Rajesh Kumar** (2007). Community analysis of plant parasitic nematodes associated with some ornamental, medicinal and aromatic plants in Bareilly District of Uttar Pradesh. **International Journal of Nematology** 17: 9-12. [UK] (NAAS rating 6.2 out of 10). (ISSN: 1368-8774, IF-1.453, UGC Care, Scopus, WOS)
  29. SR, Singh; R. K. Prajapati; S. S. L. Srivastava; **Pandey, Rajesh Kumar** and P. K. Gupta (2007). Evaluation of different botanicals and non-target pesticides against *Sclerotium rolfsii* causing collar rot of lentil. **Indian Phytopathology**. 60 (4): 499-501 (NAAS rating 4.8 out of 10). (ISSN: 0367973X, IF-0.485, UGC Care, Scopus, WOS)
  30. Goswami, B. K.; **Pandey, Rajesh Kumar**; Goswami; Jaideep and Tewari DD (2007). Management of disease complex caused by root knot nematode and root wilt fungus on pigeonpea through soil organically enriched with Vesicular Arbuscular Mycorrhiza, karanj oilseed cake (*Pongamia pinnata*) and Farm Yard Manure. **Journal of Environmental science and Health Part-B**, 42 (8) 899-904 [Taylor & Francis  
http://www.tandf.co.uk/journals/titles/03601234.asp] (NAAS rating 7.3 out of 10) (ISSN: 03601234, 15324109, IF-2.15, UGC Care, Scopus, WOS)
  31. Singh, Sheo Raj; Prajapati, R. K.; Srivastava, S. S. L. and **Pandey, Rajesh Kumar** (2007). Influence of soil texture, temperature and relative humidity on development of collar rot of lentil. **Indian Phytopathology**. 60 (2): 273-274. (NAAS rating 7.3 out of 10) (ISSN: 0367973X, IF-0.485, UGC Care, Scopus, WOS)
  32. Singh, Sheo Raj; Prajapati, R. K.; Srivastava, S. S. L. **Pandey, Rajesh Kumar** and OP Singh (2007). Management of collar of lentil. **Annals of Plant Protection Sciences**. 15 (1): 70-71. (NAAS rating 7.3 out of 10) (ISSN: 0974-0163, IF-0.45, Peer reviewed)
  33. Goswami, B. K.; **Pandey, Rajesh Kumar**; Kabindra Singh Rathour, and Singh Lokendra (2006). Integrated application of some compatible biocontrol agents along with mustard cake and furadan on *Meloidogyne incognita* infecting tomato plants. **Journal of Zhejiang University Science (B)** 7(11): 873-875. (www.springerlink.com) (NAAS rating 7.5 out of 10) (ISSN: 1862-1783, 1673-1581, IF-4.018, UGC Care, Scopus, WOS)
  34. **Pandey, Rajesh Kumar**; Bhattacharya, Chaitali; Goswami, B.K. and Singh, Lokendra (2006). Management of root knot nematode infecting brinjal through combination of fungal bioagents, *Aspergillus fumigatus* and *Trichoderma harzianum*. **Indian Phytopathology** 59 (2): 199-202. (NAAS rating 4.8 out of 10) (ISSN: 0367973X, IF-0.485, UGC Care, Scopus, WOS)
  35. **Pandey, Rajesh Kumar**; Goswami, B. K. (2005). *Bacillus subtilis*: An Ecofriendly Effective Bacterial Antagonist of *Fusarium udum* Butler Causing Wilt Disease of Pigeon pea (*Cajanus cajan* Millsp). **The Proceedings of the National Academy of Sciences, Section B-Biological Sciences** 75 (IV): 234-237. (NAAS rating 6.1 out of 10, IF- 0.396) (ISSN: 03698211, 22501746, IF-UGC Care, Scopus, WOS)
  36. **Pandey, Rajesh Kumar**; Goswami, B. K.; Singh, S. (2005). Management of root knot nematode and *Fusarium wilt* disease complex by fungal bioagents, neem oilseed cake and/or VA-Mycorrhiza on chickpea. **International Newsletters of Chickpea and Pigeon pea, ICRISAT**, 12: 32-34. (ISSN: 0257-2508 Peer reviewed)
  37. Goswami, B.K.; **Pandey, Rajesh Kumar**; Bhattacharya, Chaitali and Lokendra Singh (2005). Evaluation of six isolates of *Trichoderma harzianum* against *Fusarium oxysporum* f. sp. *lycopersici* and *Meloidogyne incognita*. **International Journal of Nematology** 15 (1): 83-86. (UK) (ISSN: 1368-8774, IF-1.453, Peer reviewed)
  38. **Pandey, Rajesh Kumar**; Goswami, B. K.; Singh, S. (2004). Influence of soil pH on *Tylenchulus semipenetrans* infecting citrus and its Biomanagement using VAM fungi. **International Journal of Nematology** 14(2): 174-176. (UK). (ISSN: 1368-8774, IF-1.453, Peer reviewed)

39. Pandey Gopal, **Pandey Rajesh Kumar**, Pant -Hemlata (2005). Influence of organic amendments on nematode fauna and microflora of chickpea rhizosphere. **Indian Journal of Pulses Research**. 18 (2):263-264. (NAAS rating 4.3 out of 10) (**ISSN: 0976-2434, IF-Peer reviewed**)
40. **Pandey, Rajesh Kumar**; Pant, H.; Yadav, S.; Varshney, S.; Pandey, G.; Dwivedi, B. K.; (2005). Application of biocontrol agents and neem cake on *Meloidogyne incognita* on chickpea (*Cicer arietinum* L.). **Pakistan Journal of Nematology** 21 (1): 57-60. (**ISSN: 2313-1942, IF-0.4, UGC Care, WOS**)
41. Pandey, R. C. **Pandey, Rajesh Kumar**; Sant, A.K.; and Dwivedi, B.K. (2005). Influence of hydrogen ion concentration on population dynamics of *Hoplolaimus indicus* on citrus tree and management with VAM fungus. **Pakistan Journal of Nematology** 23 (1): 45-49. (**ISSN: 2313-1942, IF-0.4, UGC Care, WOS**)
42. Varshney, S.; Pandey, R. C.; **Pandey, Rajesh Kumar**; Dwivedi, B. K.; and Singh, V. (2005). Interaction between mungbean yellow mosaic virus and root knot nematode on growth of mungbean plants. **Pakistan Journal of Nematology** 23 (1): 93-98. (**ISSN: 2313-1942, IF-0.4, UGC Care, WOS**)
43. **Pandey, Rajesh Kumar**; Pant, H.; Pandey, G.; Dwivedi, B. K.; Devi, G. and Singh, JP (2003): Survey of root-knot disease of chickpea (*Cicer arietinum* L.) in and around of district Allahabad U.P. **Pakistan Journal of Nematology** 21 (2): 97-102. (**ISSN: 2313-1942, IF-0.4, UGC Care, WOS**)
44. Pandey, Gopal, Pant, Hemlata; and **Pandey, Rajesh Kumar** (2003). Screening of chickpea cultivars against *Meloidogyne incognita*. **Annals of Plant Protection Sciences** 11 (2): 409:410. (NAAS rating 3.7 out of 10) (**ISSN: 0974-0163, IF-0.45, Peer reviewed**)
45. Pandey, Gopal; **Pandey, Rajesh Kumar** and Pant, Hemlata (2003). Efficacy of different levels of *Trichoderma viride* against root-knot nematode in chickpea (*Cicer arietinum* L.) **Annals of Plant Protection Sciences**, 11(1): 101-103. (NAAS rating 3.7 out of 10) (**ISSN: 0974-0163, IF-0.45, Peer reviewed**)
46. Pandey, Gopal; **Pandey, Rajesh Kumar** and Pant, Hemlata (2002). Effect of different plant extract of different concentrations on root-knot nematode and its rhizosphere soil in chickpea (*Cicer arietinum* L.) **Vijnana Parishad Anusandhan**. 45 (4): 317-324. (**ISSN: 05055806, IF-0.49, Peer reviewed**)

**Organized as Secretary or convener of National/International Conference/Refresher Course/Webinar/E-Conferences/Invited Lecture/Lead Talk/Ph.D. Course work:**

1. **Dr. Rajesh Kumar Pandey** being a “Coordinator” organized an Online “IPR Awareness Programme” by Prashant P Borkar Head Office Kolkata and Bundelkhand university on 20 June 2023.
2. **Dr. Rajesh Kumar Pandey** being an “Organizing Secretary” organized an International Webinar/conference on “Recent advances in disease management of vegetable crops” by Department of Botany, Bundelkhand University, Jhansi-284128, Uttar Pradesh during June 26-27, 2020.
3. **Dr. Rajesh Kumar Pandey** being a “Coordinator” organized an Online “Refresher Course” on “Biosciences and Biotechnology” jointly organized by UGC-HRDC, JNVU, Jodhpur and Bundelkhand University on 9 September to 22 September 2022.
4. **Dr. Rajesh Kumar Pandey** being a “Coordinator” organized an Online “STC-Short Term Course” on “MOOCS and Online Teaching” jointly organized by UGC-HRDC, JNVU, Jodhpur and Bundelkhand university on 25 August to 31 August 2022.

5. **Dr. Rajesh Kumar Pandey**, served as **Co-convenor** in organizing a Seminar on MODI@20-Dr.eams Meet Delivery organized by Bhaskar Institute of Mass Communication and Journalism Bundelkhand University Jhansi-284128, Uttar Pradesh India on 05 August 2022.
6. **Dr. Rajesh Kumar Pandey** being a “**Coordinator**” organized an Online “IPR Awareness Programme” by National Institute of RGNIIPM” Nagpur among the participants of RC on IPR and Patent Developments of UGC-HRDC, JNVU, Jodhpur and Bundelkhand university on 14 July 2022 during 09 July to 22 July 2022.
7. **Dr. Rajesh Kumar Pandey** being a “**Coordinator**” organized an Online “Refresher Course” on “Intellectual Property Right and Patent Developments” jointly organized by UGC-HRDC, JNVU, Jodhpur and Bundelkhand university on 9 July to 23 July 2022.
8. **Dr. Rajesh Kumar Pandey** being a “**Convener**” organized a webinar on “NEP-2020: Multidisciplinary Education and Research” jointly organized by UGC-HRDC, JNVU, Jodhpur and Bundelkhand university on 15<sup>th</sup> JUNE 2022.
9. **Dr. Rajesh Kumar Pandey** being a “**Convener**” organized a webinar on “NEP-2020: ACADMIC BANK OF CREDIT” jointly organized by UGC-HRDC, JNVU, Jodhpur and Bundelkhand university on 14<sup>th</sup> JUNE 2022.
10. **Dr. Rajesh Kumar Pandey** served as a “**Convenor**” in organizing an UG and PG Student Centric Programme on “Innovation in Art on Microbiology and Phytopathology Contest” jointly organized by Microbiologist Society, India Gratitude and Post Gratitude Students club in association with Bundelkhand University Jhansi, Institution's Innovation Council, MANUPRA Foods Pvt Ltd Jhansi on 15 October 2022” to celebrate the National Mushroom Day.
11. **Dr. Rajesh Kumar Pandey** served as an “**Organizing Secretary**” in organizing a National E-Conference on "Mushroom- A Panacea for Health as Nutraceutical and Medicinal Food Stuff- opportunities for entrepreneurship in Mushroom Cultivation" to celebrate the National Mushroom Day jointly organized by Bundelkhand University, Jhansi; Institute of Innovation Council; Microbiologist Society, India; MANUPRA Food Pvt. Ltd. Jhansi on 15 October 2022”.
12. **Dr. Rajesh Kumar Pandey** being an “**Organizing Secretary**” organized A Seminar to Celebrate “Poshan Mah” on Startups opportunities in nutritional products for pregnant Women and ChilDr.en for healthy future” organized by Bundelkhand University, Uttar Pradesh, in association with Bharatiya Shikshan Mandal, Research for Resurgence Foundation, MANUPRA FOODS Pvt Ltd, Indian Institute of Pulses Research, Environment Social Welfare Society on 14 September 2022.
13. **Dr. Rajesh Kumar Pandey**, served as **Co-convenor** in organizing a Distinguish Lecture on “Role and Responsibilities of HEI’s in Entrepreneurship” organized by Institution’s of Innovation Council and Bhaskar Institute of Mass Communication and Journalism Bundelkhand University Jhansi-284128, Uttar Pradesh India on 28 September 2022.
14. **Dr. Rajesh Kumar Pandey** being a “**Member of Organizing Committee**” organized an International Webinar on "Challenges and Strategies for Conservation of Natural Resources" on 6th June 2022.



**15. Dr. Rajesh Kumar Pandey** being a “Convener” organized an International E-Conference on “Microbes with Entrepreneurship” by Microbiologists Society, India (MSI), Department of Botany, Lucknow University, Uttar Pradesh, RBS Engineering Technical Campus Agra on October 24, 2021.

**16. Dr. Rajesh Kumar Pandey** being as part of key members and mentor, organized an interactive session of “successful startup establisher” with students and faculty members under Institution’s Innovation Council (Ministry of Education Initiative) joint efforts of Institute of Tourism and Hotel Management and Department of Botany Bundelkhand University Jhansi-284128, U.P. on 07 September 2021.

**17. Dr. Rajesh Kumar Pandey** Served as Convener of Live International Webinar Series "Basics of Analytical Instruments" Jointly organized by PerkinElmer and Research Cell Bundelkhand University Jhansi Invited Topics: Basics of GC and GCMS Basics of UV and FTIR Basics of LCMSMS Basic of ICPMS for Scholars of PhD Course during 26-28 May 2020.

**Invited Lecture/Lead Talk in National/International Conference/Refresher Course/Webinar/E-Conferences:**

**1. Dr. Rajesh Kumar Pandey**, delivered a lecture as “Resource Person” on “Integrated Disease Management in Spices” in Regional Seminar on "Harshening the potential of spices production in Jhansi region of Bundelkhand UP: Issues and Strategies" during 3-4 March 2023 sponsored by Directorate of Arecanut and Spices Development, Kerala, Government of India organized by Banda University of Agriculture and Technology Banda and KVK Bharari Jhansi at Central Friend Agroforestry Research Institute Jhansi.

**2. Dr. Rajesh Kumar Pandey**, delivered a lecture as “Resource Person” on “Integrated Disease Management on Horticulture Crops by Using Organic Components” among students of B.Sc. Agricultural V and VII in College of Horticulture Bermiok Sikkim (Central Agricultural University Imphal) on 26 December 2022.

**1. Dr. Rajesh Kumar Pandey**, delivered a lecture as “Resource Person” on “Disease Forecasting on Downy/Powdery Mildew” in the “National Symposium cum Farmers Fair” on "Implementation of climate change parameters on PMKSY, Natural Agriculture, Industrial and Pharmacy Development for ensuring sustainable water resource conservation" jointly organized by IMD New Delhi and PK University Madhya Pradesh 24th November, 2022.

**2. Dr. Rajesh Kumar Pandey**, delivered a lecture as “Resource Person” on “Effect of mulching, as biological weapons, on augmentation of beneficial microbes to suppress harmful microbes in rhizosphere of root system of vegetables, Aromatic and Medicinal crops” in the “International Conference” on "Recent Advances in Research and Innovations in Life Science" organized by Mata Gujri Girl Degree College (Autonomous), DST New Delhi, NASI Bhopal Chapter at Jabalpur Madhya Pradesh and IQUAC Cell Rani Durgawati University Jabalpur during 17<sup>th</sup> - 19<sup>th</sup> November, 2022.

**3. Dr. Rajesh Kumar Pandey**, participated in the “Soil & Water Conservation Week” celebration as a “Key Note Speaker” entitled “Biological Weapons as Alternative of Chemicals in good Agricultural Practices for Healthier Soil, Plants and Human Health” organized by Institute of Economics & Finance of Bundelkhand University, Jhansi, India on 9<sup>th</sup> November, 2022

4. **Dr. Rajesh Kumar Pandey**, delivered a lecture as “Resource Person” “Aromatic Plants in India” among U.G. and P.G. students of “Government Model Post Graduate College” Devidhura District-Champawat State-Uttarakhand under the financial support from “Chief Minister Innovation Programme”, for “Herbal Garden” programme on 28 March 2022
5. **Dr. Rajesh Kumar Pandey**, delivered an Invited Lecture on “Utilization of agricultural waste in mushroom cultivation technology and use of substrate in vermi-compost production for commercial” to in ESW IX Annual National Research Conference on “Impact of Environmental Stressors on Human and Disaster Management” organized by Environment and Social Welfare Society, World Heritage site Khajuraho, Madhya Pradesh Accredited by NITI Ayog Govt. of India during 30 & 31 January 2022
6. **Dr. Rajesh Kumar Pandey**, delivered a lecture as Resources Person in a National Webinar on “Commercialization of Underutilized Vegetables, Flowers, Medicinal and Aromatic Plants” for students, researchers and faculty members organized by The Department of Botany, Mar Thoma College, Chungathara, Malappuram, Kerala on 9<sup>th</sup> December 2021.
7. **Dr. Rajesh Kumar Pandey**, delivered an Invited Lecture on “Eco-friendly integrated management of biotic stress (insect pests and diseases) of underutilized vegetables for doubling of income to the vegetable growers” to in International E- Conference on Postharvest Disease Management and value addition of Horticultural Crops” organized by Division of Plant Pathology, Indian Agricultural Research Institute New Delhi during 18<sup>th</sup> and 20<sup>th</sup> August 2021.
8. **Dr. Rajesh Kumar Pandey**, delivered an Invited Lecture on “Integrated management of diseases and insect pests on nursery plants in vegetable crops” in to National E- Training programme on “Hi -tech Nursery and Quality Transplant Production in Vegetable Crops” organized by College of Horticulture and Forestry, Rani Laxmi Bai Central Agricultural University (RLB-CAU) Jhansi Uttar Pradesh India on 17 July 2020.
9. **Dr. Rajesh Kumar Pandey**, delivered an Invited Lecture on “Hypothesis Designing” in University Grant Commission (UGC-STRIDE-I) funded project on “Research Capacity Building and Human Resource Development Programme” during 2020.
10. **Dr. Rajesh Kumar Pandey**, delivered an Invited Lecture on “Nematode Pests of horticultural crops and their management” for students of B.Sc. (Hon.) Horticulture 3rd sem of College of Horticulture and Forestry, Rani Laxmi Bai Central Agricultural University (RLB-CAU) Jhansi Uttar Pradesh India on 17 November 2019.
11. **Dr. Rajesh Kumar Pandey**, delivered a lecture to research scholar of Ph. D. course work conducted by C.C.S. University, Meerut, Uttar Pradesh during 28-30 August 2020 (8-10AM daily) on “Scientific report, research paper writing, presentation and publication in impact factor or cited Journal”
12. **Dr. Rajesh Kumar Pandey**, delivered a lecture on “Science Communication” among research scholar of Ph. D. course work conducted by Bundelkhand University, Jhansi, Uttar Pradesh during 22 April 2020 (3-3.40PM)
13. **Rajesh Kumar Pandey** delivered a lecture in national seminar on Current scenario and future trends in agriculture and Biotechnology on “Sustainable crop production through integrated nutrient management” during 25<sup>th</sup> and 26<sup>th</sup> April 2019.

### **RESOURCE PERSON:**

- Ph.D. Course Coordinator: I am serving as Co-coordinator in “Research Discourse Cell” of Bundelkhand University Jhansi Uttar Pradesh
- Team Member in Preparation of NAAC Cycle IV: I am serving as team member of Criteria-Research, Innovation and Extension in Preparation of NAAC Cycle IV of Bundelkhand University Jhansi Uttar Pradesh
- Resource Person/Expert for Physical verification and Assessment of M.P. Private University Regulatory Commission, Bhopal, M.P. for P.K. University, Shivpuri, M.P.
- P.G. & U.G. Colleges affiliated with Bundelkhand University, Jhansi, U.P.
- Ph.D. Course Coordinator: I served as course coordinator in Ph.D. course work (Science and Agriculture Science) of Bundelkhand University Jhansi Uttar Pradesh during 2019-2020.
- Co-coordinator: Innovation Centre-Ultra Central Instrumentation facility, Bundelkhand University, Jhansi
- Co-Centre Superintendent in Evolution Committee, Bundelkhand University, Jhansi
- Centre Superintendent, Sant Siromani Kabeer Shaheb Degree College, Ranipur Jhansi affiliated with Bundelkhand University, Jhansi

### **SERVE AS REPERTOIRE AND JURY:**

1. **Dr. Rajesh Kumar Pandey**, served as Jury in Oral Presentation of Bundelkhand Student Centric Programme under SUFLAM-2022 organized by Rani Laxmi Bai Central Agricultural University Jhansi-284003, Uttar Pradesh India on 13 September 2022
2. **Dr. Rajesh Kumar Pandey**, served as Repertoire in Technical Session-Foreign Delegates and prepared and presented report of the session at the end of same technical session of International Seminar “Entrepreneurial Culture and Economic Growth” organized by Institution’s of Innovation Council Bundelkhand University Jhansi-284128, Uttar Pradesh India during 22-23 August 2022.

**Reviewer:** Dr.Rajesh Kumar Pandey serving as reviewer in PLOS ONE, BMC Microbiology, Biocontrol Science and Technology, Indian Phytopathology.

### **GENETIC STOCK DEPOSITION:**

1. Fungal Culture of *Colletotrichum gloeosporioides* isolated from leaf of *Dr.acaena deremensis* deposited in Indian **Type Culture Collection (ITCC) No. 52196** Indian Agricultural Research Institute, New Delhi -110 012, India.

### **HERBARIUM STOCK DEPOSITION:**

1. Infected leaf of *Dr.acaena deremensis* with fungal pathogen *Colletotrichum gloeosporioides* deposited in Herbarium Cryptogamae Indiae Orientalis (HCIO)

Herb No.11,163,19 Indian Agricultural Research Institute, New Delhi -110 012, India.

### **ENTREPRENEURSHIP:**

**Dr. Rajesh Kumar Pandey** is a Chief Consultant and Founder Member in “MANUPRA GROUP FOUNDATION (MGF is registered under Ministry of Corporate affairs Govt. of India)” Jhansi UP India as a successful entrepreneurship running by Mr. Praveen Verma.

### **POPULAR ARTICLES AND TECHNICAL BULLETIN: 04**

### **EDITORIAL SERVICE:**

Editor in the Journal of Science Innovations and Nature of Earth

### **AWARD/RECOGNITION:**

1. **Dr. Rajesh Kumar Pandey** name has been approved by the committee members of Phytopathological Society of Indian for Fellow of Indian Phytopathological Society Division Plant Pathology Indian Agricultural Research Institute New Delhi India during 2023
2. **Dr. Rajesh Kumar Pandey** horned with a Fellow of Society of Plant Protection Sciences by Society of Plant Protection Sciences, National Centre for Integrated Pest Management (NCIPM) New Delhi India during National E- Conference on "Biotic Stress Management Strategies for Achieving Sustainable Crop Production and Climate Resilience" on May 19- 21, 2022,
3. **Dr. Rajesh Kumar Pandey** horned with a state level Best Teacher Award by Microbiologist Society, India (MSI), M.S. India during session 2020-2021.
4. **Dr. Rajesh Kumar Pandey** horned with “Social Innovative ESW National Award” for outstanding contribution in the field of NGO during ESW IX Annual National Research Conference on “Impact of Environmental Stressors on Human and Disaster Management” organized by Environment and Social Welfare Society, World Heritage site Khajuraho, Madhya Pradesh Accredited by NITI Ayog Govt. of India during 30 & 31 January 2022.
5. **Dr. Rajesh Kumar Pandey** assigned as Zonal Coordinator of Microbiologist Society, India (MSI), M.S. India.
6. **Dr. Rajesh Kumar Pandey** got Best Poster Paper Presentation for presenting paper in season “Microbial Ecology” in the national symposium on “Issues and Challenges in Ecological Sciences-2017 (ICES-2017)” during Feb 23-25, 2017 organized by Department of Botany-Centre of Advanced study in Botany, BHU, Varanasi-221005, U.P.
7. Nominated for MK Patel Young Scientist Memorial Award by Indian Phytopathological Society in 2017

### **REVIEW/PROCEEDINGS:**

1. **Pandey, Rajesh Kumar**, Jay Narayan Tiwari, Dushyant Kumar Singh, Awanish Kumar, Santosh Pandey and A.K. Pandey (2022). A book chapter entitled “Postharvest disease of underutilized vegetable and fruits Pp 261-275” published in edited on “Postharvest Disease Management and value addition of Horticultural Crops ISBN 9789391734008” by Dinesh Singh V. Devappa S. Jahagirdar H. R. Gautam Rashmi Aggarwal through Today & Tomorrow’s Printers and Publishers 4436/7, Ansari Road, Daryaganj, New Delhi - 110 002
2. **Rajesh Kumar Pandey** (2021). Published E-proceeding “[https:// online. Fliphtml5. com / jjzdl / xhua / ? 1632802698405 # p= 6](https://online.fliphtml5.com/jjzdl/xhua/?p=6)” of International Webinar on **International Webinar/conference on “Recent advances in disease management of vegetable crops”** by Department of Botany, Bundelkhand University, Jhansi-284128, Uttar Pradesh during June 26-27, 2020.

### **BOOK PUBLICATION:**

- Text Book: Shared an authorship in a text book “Basics of Plant Pathology-At a glance ISBN: 978939015715” published in 2021 by DPS Publishing House, Anasari Road Daryaganj New Delhi-110002.
- Text Book: Shared an authorship in a text book “Microbiology and Plant Pathology ISBN: 9789391152611” published in 2021 by Krishna Prakashan Media Pvt Ltd. Krishna House Meerut-250001 U.P
- Text Book: Shared an authorship in a text book “Arachidonates and Plant Structure ISBN: 9789391152857” published in 2021 by Krishna Prakashan Media Pvt Ltd. Krishna House Meerut-250001 U.P.
- Text Book: Shared an authorship in a text book “Arachidonates and Plant Structure ISBN: 9789391152857” published in 2021 by Krishna Prakashan Media Pvt Ltd. Krishna House Meerut-250001 U.P.
- Text Book: Shared an authorship in a text book “Economic Botany, Ethnomedicine & Phytochemistry Structure ISBN: 978-93-94511934” published in 2023 by Krishna Prakashan Media Pvt Ltd. Krishna House Meerut-250001 U.P.

### **BOOK CHAPTER:**

1. **Rajesh Kumar Pandey**, Dushyant Kumar Singh, and Rajni Sen (2023). Studies on isolation, identification, mass production, application and Colonization of AMF (Glomus spp and Acaulospora spp) on roots of economically important crops for the management of soil borne pathogen in edited book by Dr. Piyush Mathur Assistant Professor, Department of Botany, University of North Bengal, West Bengal-734013, India on “Plant Microbiome and Biological Control: Emerging Trends and Applications” ISBN: 97886587582 published from Springer (Accepted).
2. **Rajesh Kumar Pandey**, Dushyant Kumar Singh, Jay Narayan Tiwari, Avnish Kumar and Rajni Sen (2023). Biodiversity of Fungal Biocontrol Agents and its role on Soil and Plant Health (Pp: 264-298) in edited book by Dr. Amar Nath Singh and Awadh Kishore Roy, Member of Biodiversity Board Jharkhand on “Biodiversity Conservation: Present Scenario and Future Prospects” ISBN: 97886587582 published from Omni Publication New Delhi.

3. **Rajesh Kumar Pandey**, Dushyant Kumar Singh and AK Pandey (2023). Harnessing the antagonistic antimicrobial and ecofriendly biofertilizer properties of oilseed cake of *Pongamia pinnata* as integral component of organic and natural farming (Pp: 21-38) in edited book by Dr. Poonam Dehariya Associate Professor Dr. Hari Singh Gour Central University Sagar on “Environmental Microbiology” ISBN: 9788196120214 published from Omni Publication New Delhi.
4. **Pandey, Rajesh Kumar**, Praveen Verma, Dushyant Kumar Singh, Rajni Sen, Ramesh Singh and AK Pandey (2022). “Innovation and entrepreneurship-A case Study on post-harvest technology on mushroom with finger millet and velvet bean legume for development of nutraceutical super food stuffs” (Pp 321-379) in edited book on “Entrepreneurial Culture and Economic Growth” ISBN 978-93-91915-09-4” by Dr. Sandeep Agrawal and Dr. Kaushal Tripathi, Assistant Professor, Bundelkhand University Jhansi-284128 UP through Redvick Book (Publisher & Distributor) 2/1, 2nd floor, Baldev Plaza Awas Vikas Tiraha, Shivpuri Road Jhansi - 284 003 (U.P.).
5. Pandey AK and **Rajesh Kumar Pandey** (2021). “Development of formulations for Nematophagous and Entomopathogenic fungi and their application for the management of plant parasitic nematodes and insect pests ISBN 0792-7027” (Pp 261-281) in edited book on “Plant Disease: Management and Strategies” by Dr. Sampt Nehra and Professor PC Trivedi, Vice Chancellor, Jai Narayan Vyas University Jodhpur, Rajasthan through AGROBIOS GROUP Jodhpur, Rajasthan.
6. Mishra M, Mishra RK, Sonika Pandey, Rathore US, **Rajesh Kumar Pandey**, and M Pandey (2020). Recent Advances in Bio-intensive management (BM) of major diseases of pigeon-pea (pp-283-295) published in edited book on Innovative Approaches in Diagnosis and Management of Crop Diseases by RK Singh and Gopala <https://www.routledge.com/Innovative-Approaches-in-Diagnosis-and-Management-of-Crop-Diseases-Volume/Singh-Gopala/p/book/9781774630259>.
7. **Pandey Rajesh Kumar**, Praveen Verma, Rajni Sen, Dushyant Kumar Singh, Dayaram, Pratibha Pandey, Amritesh C. Shukla, Jay Narayan Tiwari, Avnish
8. Kumar and Arun Kumar Tripathi (2021). “Development of perishable and nonperishable snacks and food stuff from edible mushroom as super food to strengthen the fit India movement ISBN 9789383837991” (Pp 35-66) in edited book on “Recent Trends in Mushroom Biology” by Poonam Dehariya Assistant Professor Department of Botany, Dr. Hari Singh Gour Central University Sagar, MP through Global Books Organization, New Delhi -110016.
9. Praveen Verma, **Rajesh Kumar Pandey**, Rajni Sen, Dushyant Kumar Singh, Pratibha Pandey, Jay Narayan Tiwari, Avnish Kumar and Arun Kumar Tripathi (2021). “Indigenously developed technique for master commercial spawn production of edible mushroom Pp 18-34” in edited book on “Recent Trends in Mushroom Biology ISBN 9789383837991” by Poonam Dehariya Assistant Professor Department of Botany, Dr. Hari Singh Gour Central University Sagar, MP through Global Books Organization, New Delhi -110016
10. **Pandey Rajesh Kumar**, Pratibha Pandey, Jay Narayan Tiwari, Awanish Kumar, Rajni Sen, Dushyant Kumar Singh, Navneet Kumar Mishra and Arun Kumar Tripathi (2020). Integrated Management of Disease and Pests in Nursery of Vegetable Crops published in

compendium on “Hi -tech Nursery and Quality Transplant Production in Vegetable Crops (<https://www.rlbcu.ac.in/pdf/compendium.pdf>)” edited by AK Pandey, Dean, College of Horticulture and Forestry Rani Lakshmi Bai Central Agricultural University, Jhansi-284003

11. Hashmi S.; **Pandey Rajesh Kumar**, Pradeep Kumar Bareliya, Mehjabi Hashmi, Mahipat Singh and Harpal Singh (2019). “Disease of Aonla and their management Pp:71-72” published in edited book on “Innovations in Agriculture, Environment and Health Research for Ecological Restoration ISBN 9788192353555” edited by Hemlata Pant Ambreesh Singh Yadav, Manoj Kumar Singh, Jyoti Verma, VK Srivastava and Ashish Kumar, by Society of Biological Sciences and Rural Development

#### **Paper Presentation in seminars/conferences:**

1. **Dr. Rajesh Kumar Pandey** participated in Regional Meet of Institution’s Innovation Council MoEs Innovation Cell Govt of India at Dr. APJ Abdul Kalam University Lucknow on 29 August 2022.
2. **Dr. Rajesh Kumar Pandey** presented an oral paper on “**Promotion of Underutilized Plants on Commercial Scale**” in Annual International Conference on “Tackling challenges through transformative management and opportunities” organized by the International Academy of Business, Washington D.C., U.S.A. during 28<sup>th</sup> - 30<sup>th</sup> October 2021.
3. **Dr. Rajesh Kumar Pandey** presented a poster paper on “**Effect of carriers on shelf life of bio-control agents and their efficacy on management of stem rot (*Sclerotinia sclerotiorum*) of Lentil crop**” in International Conferences on “**Pulses as the Climate Smart Crops: Challenges and Opportunities**” under the technical session on “**Integrated Disease Management**” organized by **Indian Society of Pulses Research and Development**, Kanpur and **Indian Institute of Pulses Research (IIPR)** Kanpur during Feb 10-12, 20.
4. **Dr. Rajesh Kumar Pandey** orally presented a paper on “**Studies on effect of fungal biocontrol agents, *Trichoderma harzianum*, *T. viride*, *T. virens*, eight strains of *Paecilomyces lilacinus* and *Aspergillus niger* (AN-27) on root lesion nematode caused by *Pratylenchus thornei* on chickpea (*Cicer arietinum* L.) under field conditions**” in National Symposium on “**Issues and Challenges in Ecological Sciences-2017 (ICES-2017)**” under the technical session on “**Microbial Ecology**” organized by **Department of Botany-Centre of Advanced study in Botany, BHU, Varanasi-221005, UP** during Feb 23-25, 2017.
5. **Dr. Rajesh Kumar Pandey** attended a international seminar on “**Enhancing awareness of the threat of root lesion nematode in India**” organized by **Centre for Crop Health, University of Southern Queensland, Australia** at NSC NAAS complex New Delhi on 03 Feb 2017.

#### **POPULAR ARTICLES PUBLISHED IN HINDI MAGAZINE:**

- **Vigyan -3** published by Vigyan Parishad Allahabad, **Vigyan Prakash-1**, Kishan Jyoti-1, Ketu-2, Phal aur Phool-1, Gramid Vikas Sandesh-5, Science India-1.

**PARTICIPATED IN ANY NATIONAL / INTERNATIONAL TRAINING / WORKSHOP / REFRESHER COURSE / PROGRAMME UNDER UGC / ICAR / IIC/AICTE / ANY OTHER ORGANIZATION:**

1. **Dr. Rajesh Kumar Pandey** has undergone “**Innovation Ambassador**” (IA) training “**Advanced Level**” by MoEs Innovation Cell Govt of India and AICTE during IIC Calendar year 2021-2022
  2. **Dr. Rajesh Kumar Pandey** has undergone “**Innovation Ambassador**” (IA) training “**Foundation Level**” by MoEs Innovation Cell Govt of India and AICTE during IIC Calendar year 2021-2022
  3. **Dr. Rajesh Kumar Pandey** participated in training program entitled “**Microbial Bioinoculants in Organic Agriculture: Practices and Prospects**” organized by **National Institute of Agricultural Extension Management, (MANAGE)**, Hyderabad, Telangana State and **ICAR-National Bureau of Agriculturally Important Microorganisms (NBAIM)**. Kushmaur, Mau Nath Bhanjan, Uttar Pradesh during 23-26 May 2022.
  4. **Dr. Rajesh Kumar Pandey** participated in “**Awareness/training programme under National Intellectual Property Awareness Mission**” organized by **Intellectual Property Office, India** on 7 April 2022.
  5. **Dr. Rajesh Kumar Pandey** participated in online “**Faulty Development Training Programme**” on “**Industrial Microbiology and Fermentation Technology**” organized by the **Department of Microbiology, Punjab University, Chandigarh** under **Skill Vignan Programme of Department of Biotechnology, Government of India** in association with **Punjab State Council for Science and Technology** during 02 to 26 March 2022
  6. **Dr. Rajesh Kumar Pandey** participated in “**Awareness/training programme under National Intellectual Property Awareness Mission**” organized by **Intellectual Property Office, India** on 20 January 2022.
  7. **Dr. Rajesh Kumar Pandey** participated in online “**Refresher Course in Botany (UGC-HRDC/KU/PRO/RC/20-21)**” organized by **UGC-HRDC Kumaun University Nainital Uttarakhand** during 26 October 2020 to 10 November 2020
  8. **Dr. Rajesh Kumar Pandey** participated in Awareness seminar entitled “**e-Learning and MOOCs in Higher Education**” organized by **Guru Angad Dev Teaching Centre of MHRD, SGTB Khalsa College University of Delhi** under **PMMNMTT- A Centre of MHRD and Bundelkhand University** on 24 January 2019 to improve & enhance my skill in effective innovative teaching methodology.
  9. **Dr. Rajesh Kumar Pandey** an international workshop on “**Enhancing awareness of the threat of root lesion nematode in India**” organized by **Centre for Crop Health, University of Southern Queensland, Australia** at **JNKVV Jabalpur MP** during 6-10 Feb 2017.
- **Dr. Rajesh Kumar Pandey** is involved and contributed in Drafting/Coordinating/Preparing policy documents for the Memorandum of Understanding (MoU) between Bundelkhand University Jhansi U.P. and others Universities/Institutions as listed below



<b>S. No.</b>	<b>List of MoU</b>	<b>National/International</b>
1.	<b>MoU between Bundelkhand University, Jhansi, Uttar Pradesh, and Indian Institute of Pulses Research (IIPR), Kanpur, Uttar Pradesh</b>	National
2.	<b>MoU between Bundelkhand University, Jhansi, Uttar Pradesh, and MANUPRA Pvt. Ltd., Jhansi, Uttar Pradesh</b>	National
3.	<b>MoU between Bundelkhand University, Jhansi, Uttar Pradesh, and Research For Resurgence Foundation (RFRF), Nagpur, Maharashtra</b>	National
4.	<b>MoU between Bundelkhand University, Jhansi, Uttar Pradesh, and Vikram University, Ujjain, Madhya Pradesh</b>	National
5.	<b>MoU between Bundelkhand University, Jhansi, Uttar Pradesh, and Bachpan Express, Lucknow, Uttar Pradesh</b>	National
6.	<b>MoU between Bundelkhand University, Jhansi, Uttar Pradesh, and National Research Centre on Spices, Ajmer, Uttar Pradesh</b>	National

**Dr Amit Kumar Tiwari**

**PUBLICATION:**

- ❖ Published: 33 Article , 08 National, 18 International Papers, 01 patent filed (2012) and granted patent for “Culture medium for growth Malassezia species” 18 Dec, 2017 (patent no-290771 )
- ❖ 01 Book as Sole Author
- ❖ Book chapter Publication 07, Review Article 06, 04 DISSEMINATION AND GENERAL Article
- Punlication

2. Mishra, **Tiwari A K** et al. (2016). Exploration of anti-Malassezia potential of *Nyctanthes arbor-tristis* L. and their application to combat the infection caused by *Malassezia* a novel allergen. *BMC Complementary and Alternative Medicine* 16:114, 1-14. DOI 10.1186/s12906-016-1092-2. ( **impact factor 4.782**) ISSN: **1472-6882** UGC Ref No (JOURNAL NO)- **15000**
3. Piyush Mishra, Sunil kumar singh and **Amit Kumar Tiwari**. (2016) Studies on some medicinal Plant extracts against Damping off some vegetables. *Biochemical and cellular archives*. Volume 16: Issue:1 ISSN:0972-5075/ 9725075 UGC Ref No (JOURNAL NO)- 14554 .( **impact factor 0.244**)
4. Pandey A, Mishra R, **Tiwari A et al.**, (2013). Management of cosmetic embarrassment caused by *Malassezia* spp. with fruticose lichen *Cladia* using phylogenetic approach. *Biomed research international*. [DOAJ: Directory of Open Access Journals](https://doi.org/10.1155/2013/169794) <https://doi.org/10.1155/2013/169794>. (3.246 **impact factor**) ISSN: **2314-6141**, UGC Ref No (JOURNAL NO)-14762
5. Anupam Dikshit, **Amit Kumar Tiwari**, Rohit Kumar Mishra. (2013). New medium for rapid diagnosis and determination of antifungal testing against *Malassezia* spp. *Natl. Acad. Sci. Lett.* DOI 10.1007/s40009 ISSN :**0250-541X**(**0.788 impact factor**) UGC Ref No (JOURNAL NO)-**37249**
6. Anupam Dikshit, **Amit Kumar Tiwari et al.** (2012). Botanicals in Management of dandruff. *Medicinal Plants International Journal of Phytomedicines and Related Industries* Year: 2012, Volume : 4, Issue : 2 .55-64. Online ISSN : **0975-6892**. (**1.05 impact factor**) **H Index-10 (SJIF - 3.484)**
7. Rohit Kumar Mishra, Om Prakash, **Amit Kumar Tiwari**, Anand Pandey, Mansoor Alam and Anupam Dikshit (2011). Culture filtrate antibiosis of Plant growth promoting rhizobacteria PGPRs against phytopathogens infecting medicinal and aromatic plants. *International Journal of Research in Biological Science* 1(4):45-51 .ISSN **2249-9687**. (**0.99 impact factor**)
8. Shalu Srivastava, Rohit K. Mishra, Awadhesh Kumar, **Amit K. Tiwari** and Anupam Dikshit (2010). Water borne bacterial contaminants and their management using phylogenetic approach *NAT ACAD SCI LETT*, VOL.33, No. 11&12. 347-353 .ISSN :**0250-541X**(**0.788 impact factor**) UGC Ref No (JOURNAL NO)-**37249**
9. **Amit Kumar Tiwari**, Rohit Kumar Mishra, Awadhesh Kumar, Shalu Srivastava, Anupam Dikshit, Anand Pandey, and K Bajaj. 2011. A comparative novel method of antifungal susceptibility for *Malassezia furfur* and modification of culture medium by adding lipid supplement. *Journal of Phytology*, 3(3): 44-52, ISSN :**2075-6240**(**0.88 impact factor**)
10. B.K. Mishra, Rohit Kumar Mishra, R.C. Mishra, **Amit Kumar Tiwari**, Ramesh Singh Yadav and Anupam Dikshit. 2011. Biocontrol efficacy of *Trichoderma viride* isolates against fungal plant pathogens causing disease in *Vigna radiata* L. *Archives of Applied Science Research*, 3 (2):361-369. ISSN :**0975-508X**. Journal h-index : **25 Journal impact factor : 16.3**

11. Awadhesh Kumar, Rohit K. Mishra, Shalu Srivastava, **Amit K. Tiwari**, Anand Pandey, Amritesh Chandra Shukla and Anupam Dikshit(2011).Role of Phylogenetic Analysis for Anti-bacterial Activity of Essential Oil of *Trachyspermum ammi* L. against Water Borne Pathogens. *Advances in Environmental Biology*, 5(6):1271-1278. **ISSN: 1995-0756 .H index -24 impact factor 0.781**
12. Pandey RK,**Tiwari AK** .2018.Bhartiya Sandarbsh me Koopasan ki samshaya k nidan. *Science india* .32-35. Year 2018 vol -11. **ISSN 2319-9423**.
13. Jaiswal Shweta, **Tiwari AK**.2020.Benificial Fungi. *Agriculture& food: eNews letter*, Vol 2, issue 1,543-545. **ISSN 2581-8317**
14. Jaiswal Shweta, **Tiwari Amit Kumar** .2022. Pathological Survey and severity of tomato wilt disease incited by *Fusarium oxysporium* f. sp. *lycopersici* in different districts of Uttar Pradesh. *INTERNATIONAL JOURNAL OF SCIENTIFIC DEVELOPMENT AND RESEARCH*, Vol 7,issue9 129-133 **ISSN 2455-2631**.
15. Jaiswal Shweta, **Tiwari Amit Kumar** .2022.Biocontrol potential of *Trichoderma* spp. and its mechanisms of interaction between plant and pathogen. *International journal of advance Research in Science and Engineering (IJARSE)*. Vol 11, issue 10, 44-57. **ISSN 2319-8354**.
16. **Tiwari Amit Kumar**, Anupam Dikshit and Pradeep K. Divakar.2022. In vitro antimycotic and antioxidant activity of *Eclipta alba* leaf extract against *Malassezia* yeast like fungi. *International Journal of Enhanced Research in Medicines & Dental Care (IJERMDC)*ISSN: 2349-1590, Vol. 9 Issue 11, November 2022,60-72 **Impact Factor: 7.125**. DOI : <https://doi.org/10.55948/IJERMDC.2022.1111>
17. Vijay, Jaiswal S, and **Tiwari A.K.** (2023). Dynamics in DNA extraction. *International Journal of creative Research Thoughts (IJCRT)*, volume 11, Issue 4: 14-17. **ISSN. 2320-2882**.
18. Singh N, Jaiswal S, and **Tiwari A.K.** (2023). Devices of several kinds Repair and damage to DNA. *International Journal of Scientific Development and Research (IJSDR)*. Vol 8,Issue 4: 2839-2842. **ISSN 2455-2631**.
19. Sunny,Jaiswal S, and **Tiwari A.K.** (2023). Ultra structure of Chromatin organization.*International Journal of Creative Research Thoughts (IJCRT)*. Vol11 (4):47-53. **ISSN 2320-2882**.
20. Rajput N., Rayakwar K. Jaiswal S.and **Tiwari A.K.** (2023). Introduction to Cell Signaling and principle pathway. *Journal of Emerging Technologies and Innovative Research (JETIR)*. Vol.10 (4): 1245-1251. **ISSN 2349-5162**.

21. **Tiwari A.K.**, Bano Shahnaz., Jaiswal S. and Tiwari Ankita (2023). A comprehensive Review on *Moringa oleifera*: The Green Superfood for Wellness. Journal of Emerging Technology and Innovative research ( JETIR). Vol10, Issue 10: d271-d282. ISSN 2349-516.

#### **PATENT:**

- ❖ Indian patent granted to investors **Dr. Amit Kumar Tiwari** and his team Prof Anupam Dikshit and Rohit Mishra .**Indian Patent (290771) granted** on date **18 Dec,2017** by **TIFAC** of Department of Science and technology(**DST**) for **20 years** for **an invention of culture medium for growth Malassezia species causal organism of DanDr.uff and PV commonly known as “Sehuan”**.This medium have enormous potential for industrial uses, for diagnosis in pathological lab of medical college, Private lab ,research purposes for confirming the cause of PV,SD,and danDr.uff besides it have several advantages convenient processing, low cost, shelf life, broad spectrum, rapid diagnosis of Malassezia and use in modern antimicrobial susceptibility assay .

#### **Academic Book**

**Amit Kumar Tiwari (2013). An overview of Botanicals for Hair Care: 1(Dandruff and Lice).** LAP LAMBERT Academic Publishing GmbH & Co. KG, 66121, Saarbrücken, Germany. **ISBN: 978-3-659-37858-4.**  
**<http://www.bookadda.com/books/overview-botanicals-hair-care-1-amit-kumar-3659378585-9783659378584>**

#### **RESEARCH CHAPTER PUBLISHED IN BOOKS:**

1. **Amit K Tiwari**, Rohit K Mishra, AC Shukla, A. Kumar, Shalu Srivastva, Anand Pandey, A.K. Bajaj and Anupam Dikshit.**2016.** Biochemical techniques and their application for identification of Malassezia spp. Protocols in Medicinal and Aromatics Plants Vol 1(**2016**),12 :221-224. Today and Tomorrow Printer Publisher, New Delhi. **ISBN: 81-7019-554-X,9788170195429**
2. Anand Pandey,Rohit Kumar Mishra,**Amit K Tiwari**, Awadhesh Kumar,Salu Srivastva, AC Shukla and Anupam Dikshit.**2016.** Protocols for Molecular markers and their application in Plant identification. Protocols in Medicinal and Aromatics Plants Vol 1(**2016**), 17:297-306. Today and Tomorrow Printer Publisher, New Delhi.
3. Awadesh Kumar,AC Shukla,Rohit K Mishra,**Amit K Tiwari**,Anand Pandey and Anupam Dikshit.**2016.**How to investigate the Bioefficacy of plant constituents against bacterial Pathogen. Protocols in Medicinal and Aromatics Plants Vol 1(**2016**), 13:235-247.Today and Tomorrow Printer Publisher, New Delhi.

4. Verma, N, Jaiswal S, Bano S, Mishra Piyush, **Tiwari AK** . **2021**. Botanicals: An Alternative to conventional therapy for dermatophytosis? Advances in Biosciences.107-120. ISBN 978-81-948583-0-0. Anusandhan Prakshan, Kanpur.
5. Jaiswal S, Verma, N, Bano S, Mishra Piyush, John S.A, **Tiwari AK**. **2021**. Enhancement effect of PGPR on biochemical content of Tomato (*Lycopersicon esculentum*). Advances in Biosciences.152-160. ISBN 978-81-948583-0-0. Anusandhan Prakshan, Kanpur.
6. **Amit K. Tiwari**, Nidhi and Shweta Jaiswal. **2022**. An updated review on the medicinal uses of butterfly pea (blue pea) *Apurajita : Clitoria ternatea* flower old and new aspects. Advances in plant sciences..107-113. LAMBERT Academic Publishing GmbH & Co. KG, 66121, Saarbrücken, Germany. **ISBN: 978-620-5-49854-5**.
7. Shweta Jaiswal, Piyush Mishra and **Amit Kumar Tiwari**. **2022**. Trichoderma-Impact of Trichoderma on soil health as eco-friendly biocontrol agent. Advances in plant sciences.122-130. LAMBERT Academic Publishing GmbH & Co. KG, 66121, Saarbrücken, Germany. **ISBN: 978-620-5-49854-5**.

#### **DISSEMINATION AND GENERAL ARTICLES**

- ❖ Quite a lice thought, AU Botanist looking for a Herbal cure to get rid of human Head lice infestation, Hindustan times. page 2 Allahabad. 2008
- ❖ Beware of fungus on clothes in rainy season Times of India, 5<sup>th</sup> July, 2008.
- ❖ Temperature takes care of your health on the Occasion of World health day, Times of India, 7<sup>th</sup> April, 2009.
- ❖ *Nyctanthes arbor-tristis*: A powerful antifungal as well as antioxidant against *Malassezia* spp. causing Pityriasis versicolor in Humans. Dainik Jagran 8<sup>th</sup> March, 2011.

#### **PROFESSIONAL DEVELOPMENT PROGRAM:**

- **Dr. AMIT KUMAR TIWARI** participated in **Professional Development Programme on 'Implementation of NEP2020** for University and College Teachers by **IGNOU** Staff Training and Research Institute of Distance Education, New Delhi, UGC-Approved Short Term Professional Development Programme under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching held from 07-15 October, 2022 and obtained '**A+**' Grade. (7/10/22-15-10-2022, 9 DAYS)
- **Certificate of Achievement: Dr. Amit kumar Tiwari**, has successfully completed the Assessment for the **ISO 9001:2015** Internal Auditor training course (in-house) held on **13<sup>th</sup> to 17<sup>th</sup> Dec 2022** at Bundelkhand University, Jhansi UP-284128. ZEN QUALITY SYSTEM. Certificate No: **ZQS/QMS/221012**

- **DR. AMIT KUMAR TIWARI , FACULTY of BOTANY DEPARTMENT BUNDELKHAND UNIVERSITY** has successfully participated in IP Awareness/Training program under national intellectual property awareness mission on **September 30,2022**,organized by IPO,India.

#### **E-CONTENT OF BUNDELKHAND UNIVERSITY:**

- ❖ Dr. Amit Kumar Tiwari, developed 13 **E-Content of Bundelkhand University, E-Content Botany (B.Sc. and M.Sc.) (S.N. 167 ,209, 270, 283, 289, 736, 1285, 1437, 1662,1785, 1862, 1910, 2045)**

#### **WEBINOR:**

1. **Dr. Amit Kumr Tiwari** participated in international webinar on May 11, 2020 Topic Role of Host Immune System in Development of COVID-19 WEBINOR by Bundelkhand University, Jhansi Department of Biomedical Sciences
2. **Dr. Amit Kumar Tiwari** participated and attended the international webinar on June 26 & 27,JUNE 2020 International webinar on Organized By: Department of Botany, Bundelkhand University, Jhansi, U.P. India title of webinar: Recent advancement in management of disease in vegetable crops.
3. **Dr. Amit Kumar Tiwari** participated in the Webinar “Big Data and Covid 19: Technologies and Applications” by Anil Maheshwari, Professor of Information Systems at Maharishi International University, US and McGraw-Hill. 16

#### **Award/Certificate/Scholarship/other experience/honors:**

- NSB Scholarship in1999, 2000, 2001.
- Children of Mother Earth certificate
- NCC “B” Certificate 2005
- GUBA Prize in objective Quiz competition 2006
- GUBA 1st Prize in essay competition 2007
- GUBA 2<sup>nd</sup> Prize in Quiz competition 2007
- UGC fellowship 2008-2011
- **Best Paper Award** and Certificate of merit by **Indian Botanical Society 2009**
- Various Prize for Play, Skit, and Drama etc at university level.
- **Best poster presentation Award** in XXIII Annual Conference of Indian Association for Angiosperm Taxonomy and National Seminar on “Recent Advances in Plant Taxonomy Research”, Nagpur 27<sup>th</sup> – 29<sup>th</sup> Dec 2013 in *Bioprospecting & Medicinal plants* section
- **Dr. Amit Kumar Tiwari** granted Teacher day Award /Honors by **UP government** in field of higher education especially for activation of NEP 2020, 5Sep, 2021

#### **THRUST AREA OF RESEARCH:**

- Clinical Microbiology
- Herbal antimicrobials
- Bioinformatics in case of *in-silico* study
- Pharmaceutical Biotechnology