

CURRICULUM VITAE
RAJESH KUMAR PANDEY
M. Sc., Ph.D. (Botany), ASRB-N.E.T. (Plant Pathology)
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OBJECTIVE:

To obtain a challenging position in the cutting edge of technology where my capabilities, qualifications and experiences can be fully utilized and be a part of a professionally managed organization that provides me with learning each day and achieve the heights of excellence in the scientific field.

EDUCATIONAL QUALIFICATION:

National Eligibility Test (NET) in Plant Pathology (Roll No. 2110801207, 56%) organized by Agricultural Scientist Recruitment Board (ASRB), New Delhi-110012

Ph. D. Botany (Area of specialization Mycology, Plant Pathology and Nematology)

Thesis entitled "Integrated management of *Fusarium* spp. and root knot nematode, *Meloidogyne incognita* infecting tomato and pigeonpea" submitted to **C.C.S. University Meerut UP** (Internal Supervisor-**Dr Lokendra Singh**) through **Division of Nematology, Indian Agricultural Research Institute, New Delhi-110012** (External Supervisor-**Prof. Dr. B.K. Goswami** Av.H. Fellow (Germany), Ex-Professor and Head, India

M. Sc. Botany with specialization in Plant Pathology

1999-2000: **Dr. R. M. L. Avadh University, Faizabad, UP, India**

B. Sc. Zoology, Botany and Chemistry

1996-1998: **D.D.U. Gorakhpur University, Gorakhpur, UP, India**

Teaching/ Research/ Professional experience:

S. No.	Name of the post	From	To	Institute/Organization
1.	Assistant Professor	15 October 2013	till	Department of Botany, Bundelkhand University, Jhansi, UP
2.	Teaching Assistant	December 2012	Sept. 2013	Institute of Agriculture Sciences, Bundelkhand University Jhansi
3.	Viticulturist and Plant Pathologist	August 2010	June 2012	Alpine Wineries Pvt. Ltd., Bangalore-560027, Karnataka, India www.alpinewineries.com/alpine/?page_id=19
4.	Lecturer/Scientist	Jan 2007	July 2010	Amity Centre for Biocontrol and Pant Disease Management, Amity University Uttar Pradesh, Sector-125, Expressway, Noida-91120, Uttar Pradesh, India
5.	Senior Research Fellow in DBT Project on "Development and production of bio-formulations of potential strains of <i>Trichoderma</i> spp. and their field evaluation against soil and seed borne disease of pulse crops"	June 2005	Jan. 2007	Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi
6.	Senior Research Fellow in ICAR Project on "Eco-friendly integrated management of root knot nematode, <i>Meloidogyne incognita</i> on tomato and chickpea crops through the fungal bioagents, oilseed cakes and nematicides"	June 2004	May 2005	Division of Nematology, Indian Agricultural Research Institute, New Delhi
7.	Technical Assistant in DST Project Govt. of India "Development, production, and demonstration of	Sept 2001	August 2003	BRCC, Prayagraj

	biocontrol agents for the management of root knot nematode disease under IPM of chickpea”			
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Presently, being an Assistant Professor (Botany), I am engaged in teaching to Botany students in B.Sc. and M.Sc., besides the guiding Ph.D. research scholars and for entrepreneurship and startup.

Association in sponsored/externally funded Projects:

I served as **Principal Investigator** and **Co-Principal Investigator** in **one internal** and **two externals funded**:

Project No. 1. Principal-Investigator “Understanding of microbiology in components used in natural farming as antagonistic biocontrol agents” Seed Money Project from Research Cell of Bundelkhand University Jhansi (Letter No. 53/S.T./U.A./2022-23) cost of project-2.50/- lakhs

Project No. 2. CO-Investigator “Training through demonstration on eco-friendly integrated management of major soil borne fungal and root knot nematode diseases infecting vegetables and pulses” DBT, New Delhi sponsored project (letter No. - BT/PR8895/SPD/24/238/2007) cost of project-11.67/- lakhs.

Project No. 3. CO-Investigator “Transfer of IPM technology package to farmers’ fields through training and demonstration against insect pests wilt fungus and root-knot nematode diseases infecting tomato and cowpea” TIFAC-DST sponsored project (Letter No. T/TVM/Agri (APD)/2008, dated 21.3.2008). Total cost of project Rs. 33.50/- lakhs.

As a **viticulturist and Plant Pathologist**, I was looking after **management and practices** in vineyard having established around 1250-acre areas near Bangalore. In above vineyard each variety of white and red grapevine plants imported from France and Austria, for which we have also getting consultant facilities from both countries. Besides, I am also taking care 4 established weather stations to monitoring weather and disease forecast in vineyard. As per the disease forecast, we are using the management practices to combat it under economic thresholds levels. At present it is best vineyard in the Asia including India. Being a part of vineyard, I am looking after:

Red grapevine: Cabernet Franc 214x3309C, Cabernet Franc 214xSO4, Cabernet Franc 623x110Richter, Cabernet Sauvignon 169x110Richter, Cabernet Sauvignon 191x140 Rugger, Cabernet Sauvignon 191x420A, Cabernet Sauvignon 338x110Richter, Grenache Noir 362x110Richter, Grenache Noir 435x110Richter, Merlot 181x110Richter, Merlot 181x420A, Merlot 343x5BB, Merlot 519xGravesac, Merlot 181x161-49, Merlot 343x161-49, Merlot 343x420A, Syrah 174xSO4, Syrah 470x1103 Paulsen, Syrah 470xSO4, Syrah 470x3309-143, Syrah 470x420A, Syrah 877x3309-143, Syrah 174x3309-144, Syrah 171x3309-144, Tannat 944x101-14, (Blauburgunder Pinot Noir 777x110Richter, Blauburgunder Pinot Noir 292x1103Paulsen, Blauburgunder Pinot Noir 292x110Richter, Blauburgunder Pinot Noir 777xSO4, Blaufrankish Lemberger A-4-1x5BB, Blaufrankish Lemberger A-4-1xSO4, Blaufrankish Lemberger Selection 148x5BB, Blaufrankish Lemberger Selection 148xSO4, Melbac 954x3309 Coderc, Melbac 954x41 B, Petit Verdot, 400x101-14, Petit Verdot, 400x110Richter, Sangiovese Janus 10x1103 Paulsen, Sangiovese Janus 10xSO4, Sangiovese MI TIN 30x1103 Paulsen, Sangiovese MI TIN 30xSO4, Tempranillo 776x161-49, Plavac Mali Zin Fandel **x110Richter,

White grapevine: Chardonnay 123SMAx5BB, Chardonnay 130SMA1103Paulsen, Chardonnay 130SMAx5BB, Chardonnay 96xSO4, Chardonnay 106SMAxSO4, Chardonnay STWA 95-350x1103Paulsen, Chardonnay 1066x110Richter, Chardonnay 1066x3309Coderc, Chardonnay 76x110Richter, Marsanne 574x161-49, Muskat Ottonel 26-23x5BB, Muskat Ottonel 26-23xSO4, Sauvignon Blanc 242x5BB, Sauvignon Blanc 530xFercal, Sauvignon Blanc ISV F5xSO4, Sauvignon Gris **xSO4, Sauvignon Blanc 159x110Richter, Sauvignon Blanc 159x101-14, Sauvignon Blanc 530x110Richter, Vermentino 640x161-49, Viognier 642x420A, Viognier Selection Tutzerx161-49, Chenin Blanc 882x3309-144, Chenin Blanc 1018x3309-144, Chenin Blanc 220x110Richter, Petit Manseng 573x3309Coderc, Petit Manseng 440x3309-143, Grillo 3x1103Richter, Rulender (Pinot Gris) SMA505x5BB, Rulender (Pinot Gris) SMA514x1103Paulsen, Rulender (Pinot Gris) SMA514xSO4, Gelber Muskatteller A27-1xSO4, Gelber Muskatteller Selection Tavemerx5BB, Gelber Muskatteller We H 1xSO4, Gruner Veltiner A-1-5x5BB, Gruner Veltiner Selection EdlingerxSO4, Muskat Alessandria Bontelleiox1103Paulsen, Rheinriesling 198-10Gmx5BB, Rheinriesling 239-17GmxSO4, (Pinot Gris) SMA505x5BB,

Irrigation and Fertilization: For irrigation in 1250 acre vineyard, I am operating fully automated Israel based Netafim’s Crop Management Technology (CMT) system allows growers to maximize utilization of inputs (Water, Power and Fertilizers) for balancing yield and quality of grapes through cost reduction and re-allocation of labour to other management activities. Measuring and managing irrigation and fertilization through this system, helps reducing costs, increasing income and allowing focus of labour and management to other priorities.

Weather Forecast: In all four corner and one in center of vineyard, we availing www.meteoblue.com and www.fieldclimate.com for providing all information on weather forecast to formulate plans and strategies to combat the maladies.

Pruning: In tropical conditions, two pruning are common one is backward (non-fruiting) and other is forward (fruit) which is normally manually operated (**Secateurs**/scissors). Pruning is always depends upon vigour and growth of vine.

Management in vineyard: Mulcher (Berti Italian), Undervine weeder (Huber Austria), Post Founder (Huber Austria), Wire dispenser (Huber Austria), Massey Ferguson 72HP (Brazil), Pesticide sprayer (Italian), Fertilizer spreader (Italian)

Cordon System: In order to attain height of shoot of vine, only up to 70cm height double cordon maintained.

Harvesting: Manual harvesting as per maturity with bunch cutter/scissor.

Compost: Normally, mixing of 70% dry weeds/sugar cane leaves, paddy straw, wheat bran, pulps (grapes and other) along with 30% fresh cow dung followed by making row (60-70 L m x 3 w m x 1.5 h m) and consistent watering for 3 months.

Other Management: Halting, tying vine support stick for erect growth, pruning, dormex application, spraying of pesticides, fertilizer application (foliage and soil), canopy management, vermin-composting, production of antagonistic bio-control agents and their application, weather forecast assessment, yield assessment, testing of pH, TSS, acidity, softening and version, harvesting, sorting and pressing/storing etc.

Brand of Wine: Vindiva Reserve-liquid luxury (Valley of Dream) red and white, Vindiva Classic (bottled poetry) red and white, Oro Fine Wine Golden Joy red and white. Please go through www.alpinewineries.com

Publication: Citation Index (Google Scholar: Citations: 500, h-index: 9, i-index: 8)

1. 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 Baruwsgar District Jhansi (U.P.) India. **Microscopy Research and Technique. (UGC Care, Scopus, WOS).**
2. 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)
3. 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)
4. **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)
5. 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)
6. 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 (UGC Care, SCOPUS, WOS)
7. 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://impas.com/download/article/1638459876JMPAS_JULY-AUGUST_2021.pdf) (UGC Care, Scopus)
8. 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)

9. **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)
10. **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)
11. **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)
12. 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)
13. 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)
14. 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)
15. **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)
16. **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)
17. **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)
18. **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)
19. **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)
20. 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)
21. **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)

22. 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)
23. **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)
24. **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)
25. 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)
26. 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)
27. 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)
28. 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)
29. 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)
30. 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)
31. 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)
32. 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)
33. **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)

34. 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)
35. 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)
36. 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)
37. Pandey, Rajesh Kumar; Goswami, B. K.; Singh, S. (2004). Influence of soil pH on *Tylenchulus semipenetrans* infecting citrus and its Biomangement using VAM fungi. **International Journal of Nematology** 14(2): 174-176. (UK). (ISSN: 1368-8774, IF-1.453, Peer reviewed)
38. 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)
39. 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)
40. 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)
41. 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)
42. 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)
43. 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)
44. 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)
45. 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 convenor 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-Dreams 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 RGNIPM” 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 15th 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 14th JUNE 2022.
10. Dr Rajesh Kumar Pandey served as a “Convener” 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 Children 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
3. 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
4. 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 17th -19th November, 2022
5. 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 9th November, 2022
6. Dr. Rajesh Kumar Pandey, lecture "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
7. 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
8. 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 9th December 2021.
9. 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 18th and 20th August 2021.
10. 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.
11. 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.
12. 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.
13. 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"
14. 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)
15. 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 25th and 26th April 2019.
16. Dr. Rajesh Kumar Pandey, delivered a lecture to research scholar of Ph D course work conducted by Bundelkhand University Jhansi during 2016 on "Extraction of secondary metabolites from fungal bio-control agents and its estimation through GC-MS"
17. Dr. Rajesh Kumar Pandey, delivered a lecture to research scholar of Ph D course work conducted by Bundelkhand University Jhansi during 2015 on "Development of formulation of Bio-control agents for the integrated management of Plant Disease"
18. Dr. Rajesh Kumar Pandey, delivered a lecture on "Viticulture: Management and Practices" in national seminar on Status of Land Resources: Challenges and Remedies with special reference to Bundelkhand on 28th November 2014

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.
3. Dr Rajesh Kumar Pandey, served as Repertoire in technical session-II and member of poster evaluation committee for assessment of the rank of posters for selecting best poster presentation award in technical session-III of national symposium “Eco-Friendly Approaches for Plant Disease Management: Recent Trends and Opportunities” organized by Indian Phytopathological Society Mid Eastern Zone, New Delhi and IIPR Kanpur during 29-30 December 2016 at ICAR-IIPR Kanpur

Reviewer: I am serving as reviewer in

PLOS ONE,

BMC Microbiology,

Biocontrol Science and Technology,

Indian Phytopathology

Genetic stock deposition:

1. Fungal Culture of *CURVULARIA LUNATA* (Wakker) Boedijn var. Lunata, M. B. Elli isolated from leaf of *Basella rubra* deposited in Indian Type Culture Collection (ITCC) No. 6508 Indian Agricultural Research Institute, New Delhi -110 012, India.

2. Fungal Culture of *Colletotrichum gloeosporioides* isolated from leaf of *Dracaena 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 *Basella rubra* with fungal pathogen *CURVULARIA LUNATA* (Wakker) Boedijn var. Lunata, M. B. Elli deposited in Herbarium Cryptogamae Indiae Orientalis (HCIO) Herb No.49287, Indian Agricultural Research Institute, New Delhi -110 012, India

2. Infected leaf of *Dracaena 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

Patent Filed:

“Bio-pesticide formulation comprising of fungal bioagents, botanical antagonist, peat powder and Acacia gum for the control of Plant Pathogens and the method for the preparation” Patent no. Reference No./ Application No.559/DEL/2009A Application Type: E-2/324/2009-DEL, Pages:30, Claims:10, by Dr. B. K. Goswami and Dr. R. K. Pandey in The Patent Office Journal 15/10/2010 S. No. on page no 30819.

“Broad spectrum biopesticide formulation with fungal antagonist and entomopathogenic fungi” Patent no. Reference No./Application Type: E-2/383/2009-DEL, Pages:23, Claims:9, 708/DEL/2009/05.11.2009 by Dr. B. K. Goswami and

Dr. R. K. Pandey

CRN089 “Fungal bioagent and VAM encapsulated alginate beads and its application thereof as biofertilizer and biocontrol agent for soil borne plant pathogens” by Dr. B. K. Goswami and Dr. R. K. Pandey

CRN0139 “Novel medium for improve the enzymatic activity of fungal bio-control agents” by Dr. B. K. Goswami and Dr. R. K. Pandey.

CRN0144 “A method to enhance the growth and potentiality of A Fungal biocontrol agent against pathogenic one” by Dr. B. K. Goswami, Dr. VK Jain, Rupesh Kumar and Dr. R. K. Pandey.

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: 20

Invited Radio Talk at Allahabad Radio Station: 2

1. Radio Talk at All India Radio of Allahabad in “Krishi Jagat” on “Hari Khad k liye sanai va daicha ki keti” date of recording 25.04.2003 and broadcasted on 28.04.2003 at 6.05 AM
2. Radio Talk at All India Radio of Allahabad in “Krishi Jagat” on “Nebu vargeye paodho me lag ne wale rogo ki rok tham hetu upai ” date of recording 10.09.2002 and broadcasted on 12.09.2002 at 6.05 AM

Editorial service:

Editor in “American Journal of Life Science”

Editor in Hindi magazine “Gramind Vikas Sandesh”

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-284128, U.P.
7. Nominated for MK Patel Young Scientist Memorial Award by Indian Phyto-pathological Society in 2017
8. Dr Rajesh Kumar Pandey got Best Poster Paper Presentation in the seminar on Traditional/indigenous practices for pest management of major crops” presided over the “Dr. J. C. Edward Memorial Award” during Nov. 17-18, 2008 organized by Allahabad Agricultural Institute-Deemed University, Allahabad and Indian Phyto-pathological Society, Indian Agricultural Research Institute, New Delhi
9. Dr Rajesh Kumar Pandey horned with Young Scientist Award in the seminar on “Innovative and Modern Technologies for Sustainable Agriculture and Rural Development” on 19-20 October 2013 organized by Society of Biological Sciences and Rural Development, Prayagraj at Vigyan Parishad University of Allahabad Campus

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>” 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.
3. **Rajesh Kumar Pandey** (2014). “**Mycorrhizal fungi: A Natural Plant Protectant and Nourishment Resource in Agriculture Crops ISBN 9788192349435**” published in edited book of proceeding of national conference on “Innovative and Modern Technologies for Sustainable Agriculture and Rural Development”

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.

Book Chapter:

1. **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.
2. **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.).
3. 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 Vays University Jodhpur, Rajasthan through AGROBIOS GROUP Jodhpur, Rajasthan.
4. 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>.
5. **Pandey Rajesh Kumar**, Praveen Verma, Rajni Sen, Dushyant Kumar Singh, Dayaram, Pratibha Pandey, Amritesh C. Shukla, Jay Narayan Tiwari, Avnish 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.
6. 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
7. **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.rlbcau.ac.in/pdf/compendium.pdf>)" edited by AK Pandey, Dean, College of Horticulture and Forestry Rani Lakshmi Bai Central Agricultural University, Jhansi-284003
8. 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
9. **Pandey Rajesh Kumar**; Ram Prasad (2014). Secondary metabolites: natural defense weapon for plants in edited book on Environmental Microbiology (ISBN: 9789384588526) by Ram Prasad et al through I K International Publishing House Pvt. Ltd, S 25 Green Park Extension, New Delhi -110016
10. **Pandey Rajesh Kumar**; Ram Prasad (2014). Adverse Effect of Indiscriminate use of Chemical Pesticides and its Alternative Eco-friendly means for Management of Diseases and Pests Infecting Agricultural Crops in edited book on Environmental Microbiology (ISBN: 9789384588526) by Ram Prasad et al through I K International Publishing House Pvt. Ltd, S 25 Green Park Extension, New Delhi -110016
11. **Pandey Rajesh Kumar**; V.G. Mangunath and B.K. Goswami (2012). Pivotal influence of microbial population existing around rhizosphere of grapevine in architecting the quality and productivity of berries in edited book *Application of fungal enzymes* by Dr VK Gupta, Dr. Maria Tuoshy and Dr RK Gour published by Nova Publisher, USA.
12. **Pandey Rajesh Kumar**, Singh SR, Gupta PK, Shashi Mala (2011). "Biopesticides: an eco-friendly, sustainable and cost-effective approach for integrated disease and pest management (Pp-203-209)" published in edited book

on “Sustainable Disease Management of Agricultural Crops ISBN: 9789351241980” edited by SK Biswas and Singh SR through Daya Publishing House New Delhi

13. Singh SR, **Rajesh Kumar Pandey**, Gupta PK, Shashi Mala, and Yogita Gharde (2011). “Diagnosis and Management of Collar Rot of Lentil (Pp-251-257)” published in edited book on “Sustainable Disease Management of Agricultural Crops ISBN : 9789351241980” edited by SK Biswas and Singh SR through Daya Publishing House New Delhi.
14. Singh SR, Biswas SK, and Pandey **Rajesh Kumar Pandey** (2011). “Integrated Management Strategies of Plant Viral Diseases (Pp-268-275)” published in edited book on “Sustainable Disease Management of Agricultural Crops ISBN : 9789351241980” edited by SK Biswas and Singh SR through Daya Publishing House New Delhi.
15. **Pandey Rajesh Kumar**; Ram Prasad; Ram Prasad, VG Mangunath and B K Goswami (2010). Biotechnology of biocontrol based biopesticides: Core component of biological deterrents (Pp 215-244) in edited book *Fungal Biochemistry and Biotechnology* by Dr VK Gupta, Dr. Maria Tuoshy and Dr RK Gour published by *LAP LAMBERT Academic Publishing AG & Co. KG, Germany*.
16. B. K. Goswami, **Rajesh Kumar Pandey**, S. R. Singh and K. S. Rathour (2008). Biopesticides: an eco-friendly, sustainable and cost-effective approach for integrated disease and insect pest management of agricultural crops (ISBN 8170355699) In: *Plant Diseases Management for Sustainable Agriculture*-edited by Shahid Ahamad, Daya Publishing House, Delhi, 16-44pp.
17. B. K. Goswami, **Rajesh Kumar Pandey** and K. S. Rathour (2008). Eco-friendly protection of agricultural crops from hidden soil-borne pathogenic micro fauna and micro flora by the use of IPM technology. In: *Plant Nematology in India* edit by Mohilal N. and Gambhir R. K. Department of life science, Manipur University, Manipur India
18. B. K. Goswami and **Rajesh Kumar Pandey** (2004). Biocontrol strategies for management of plant pathogens interaction of root knot nematode and soil borne fungi infecting crops and their management. In: *Techniques of Biological Control of Plant Disease* edit by Sharma Pratibha, Aggrawal R. and Singh D. V. by Centre of Advanced Studies in Plant Pathology, Division of Plant Pathology, Indian Agricultural Research Institute New Delhi-110012 held on 16 November to 6 December.

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 a 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 28th - 30th 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, 2020.
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-284128, 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.
6. **Dr Rajesh Kumar Pandey** orally presented a paper on “**Studies on mycotoxic effect of leaf spot disease caused by *Alternaria alternata* on Broadbean (*Vicia faba*) and their management through fungicides under field conditions**” in **National Symposium on “Eco-Friendly Approaches for Plant Disease Management: Recent Trends and Opportunities**” organized by **Indian Phytopathological Society Mid Eastern Zone, New Delhi and IIPR Kanpur** during 29-30 December 2016 at **ICAR-IIPR Kanpur**.
7. **Dr Rajesh Kumar Pandey** orally presented a paper on “**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**” in 6th **International Conference on “Plant, Pathogens and People” challenges in Plant Pathology to Benefit Humankind**, organized by **Indian Phytopathological Society New Delhi** during 23-27 February 2016.
8. **Dr Rajesh Kumar Pandey** and Pratibha Pandey presented a poster paper on “**Studies on management of Anthracnose and Dieback disease caused *Colletotrichum capsici* infecting chilli (*Capsicum annuum*) crop through pellet based fungal biocontrol agents and fungicide**” in **National Conference on Horticultural in North East region**, organized by **College of Horticulture and Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh** during 16-18 January 2016.

9. Dr Rajesh Kumar Pandey orally presented a paper on “**Biological Management of dry root rot (*Rhizoctonia bataticola*) of chickpea BY *Trichoderma***” in **National Seminar on “Innovative and Modern Technologies for Sustainable Agriculture and Rural Development”** on 19-20 October 2013 organized by **Society of Biological Sciences and Rural Development Allahabad at Vigyan Parishad University of Allahabad Campus.**
10. Dr Rajesh Kumar Pandey and BK Goswami orally presented a paper on “**Development of bioformulations of potential isolates of *Paecilomyces lilacinus* characterized by biochemical and molecular analysis**” in **National Seminar on Traditional/indigenous practices for pest management of major crops**, organized by **Department of Plant Protection, Allahabad Agricultural Institute – Deemed University Allahabad and Indian Phytopathological Society, New Delhi** during 17-18 December 2008.
11. Dr Rajesh Kumar Pandey and BK Goswami orally presented a paper on “**Cost effective management of root knot nematode and root rot fungal disease of tomato crops sustainability of tropical agriculture**” in **International Tropical Ecology Congress 2007**, organized by HNB Garhwal University, Srinagar (Garhwal), India and International Society for Tropical Ecology during 2-5 December 2007.
12. Dr Rajesh Kumar Pandey and BK Goswami orally presented a paper on “**Disease incidence on Guava (*Psidium guajava* L) orchard Allahabad caused by Complex Etiology of wilt fungus and root knot nematode**” in **International Conference on Agricultural Heritage of Asia**, organized by **Asian Agri-History Foundation, 47, ICRISAT Colony, Secunderabad India** during 6-8 December 2004.
13. Dr Rajesh Kumar Pandey and BK Goswami orally presented a paper on “**Eco-friendly integrated management of wilt disease of pigeonpea caused by *Fusarium udum* through biocontrol agents, fungicides and organic amendments under field condition**” in **National Seminar on Biotechnological approaches towards the integrated management of crop diseases**, organized by Department of Botany, Dr Babasaheb Ambedkar Marathwada University, Aurangabad, M.S. India during 30th-31st of July 2004.
14. Dr Rajesh Kumar Pandey orally presented a paper on “**Effect of different levels of VAM fungus on root knot nematode and its rhizosphere microflora**” in **5th National symposium on Biocontrol agents for sustainable management of pests**, organized by Department of Plant pathology, GB Pant University of Agricultural and Technology, Pant Nagar, Uttarakhand in association of Society of Plant Protection Sciences New Delhi India during 18-20 December 2003.
15. Dr Rajesh Kumar Pandey orally presented a paper on “**Efficacy of different levels of *Trichoderma viride* against root knot nematode in chickpea**” in **4th Indian Agricultural Scientists and Farmers Congress**, organized by Ch Charan Singh University Meerut and Bioved Research and Communication Centre, Allahabad, at CCS University Meerut India during 16-17 Feb 2002.

Popular articles published in Hindi magazine:

Vigyan -3 published by Vigyan Parishad Allahabad, Vigyan Prakash-1, Kishan Jyoti-1, Keti-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 Vigyan 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 PMMMNMTT- 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 attended 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.
10. Dr Rajesh Kumar Pandey attended and presented project proposal in Brain Storming on “**Utilization of natural resources available in Bundelkhand Region**” sponsored by NSTD, Department of Science and Technology, New Delhi at Bundelkhand University Jhansi, during 10-11 March 2016.
11. Dr Rajesh Kumar Pandey attended a training programme on “**Faculty Development Programme**” organized by Bundelkhand University Jhansi, during 1-7 Sept, 2015.
12. Dr Rajesh Kumar Pandey attended a winter school training course on “**Exploiting the Potential of Underutilized Vegetables for Nutritional security and Economic prosperity**” in Department of Vegetable Science, College of Horticulture & Forestry, CAU, Pasighat, Arunachal Pradesh during 1-21st October, 2014 sponsored by Indian Council of Agricultural Research, New Delhi.
13. Dr Rajesh Kumar Pandey attended a model training course on “**Beneficial soil nematode biodiversity for managing insect pests and promoting agricultural sustainability**” under the **Broad area: Eco-friendly management practices**” in Division of Nematology, Indian Agricultural Research Institute-Deemed University, New Delhi-110012 sponsored by Indian Council of Agricultural Research, New Delhi during 18th -25th February 2014.
14. Dr Rajesh Kumar Pandey attended a National CAFT training on “**Understanding of the mechanism of host-pathogen-bio-agent interaction and sustainable management strategy for threatening crop diseases**” sponsored by **ICAR, Govt. of India, New Delhi** in **Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi** held on during 24 Sept- 14 October, 2013.
15. Dr Rajesh Kumar Pandey attended a **National training on 'Project formulation, risk assessment, scientific report writing and presentation'** in Division of Agricultural Engineering, Indian Agricultural Research Institute-Deemed University, New Delhi sponsored by **National Agricultural Innovation Project**, New Delhi during 12-16 March 2013.
16. Dr Rajesh Kumar Pandey attended a national training on “**Extraction and Analysis of Nutraceuticals from Vegetables, Fruits and Non-Food Crops**” Division of Agricultural Chemicals, Indian Agricultural Research Institute-Deemed University, New Delhi sponsored by **National Agricultural Innovation Project**, New Delhi during **November 12-16, 2013**.
17. Dr Rajesh Kumar Pandey attended a model training course on “**Nematode Problems in Field and Horticultural Crop and their Management**” in Division of Nematology, Indian Agricultural Research Institute-Deemed University, New Delhi sponsored by Indian Council of Agricultural Research, New Delhi during 3-10 November 2011.
18. Dr Rajesh Kumar Pandey attended a training programme on “**Production and Quality Control of Organic Inputs**” in Amity Institute of Organic Agriculture, Amity University Uttar Pradesh, Noida sponsored by Indian Council of Agricultural Research, during 14 May-23 May 2008
19. Dr Rajesh Kumar Pandey attended a Computer Certificate Course on “Computer application” in JSS, Basti sponsored by Ministry of HRD, Govt. of India, New Delhi during 6 months in 2001.
20. Dr Rajesh Kumar Pandey attended a training programme on “Bee Keeping” in Govt. Bee Keeping, Horticultural Experiment and Training Center sponsored by UPCAR, Lucknow during 2 April-16 May 1997

Thesis supervised for Ph.D. and M.Sc. Scholars:

Co-Supervisor: Dr Rajesh Kumar Pandey

Name: Dushyant Kumar Singh (CSIR-UGC NET)

Topic: “Studies on Reproductive biology of selected *Sida* species of western U.P.”

Date of Reg. 06/10/2017 and Enrollment Number: BU/SC/17/PHD/2098

Date of Award of Ph.D. degree: 7th Feb 2023 during 27th annual convocation

Supervisor: Dr Rajesh Kumar Pandey

Jay Narayan Tiwari (ASRB- NET) perusing his Ph.D.

Topic: “Influence of organic amendments and bio-fertilizers on growth, yield and quality attributes of Broccoli (*Brassica oleracea* var. *italica*)”

Date of Reg. 05/11/2020 and Enrollment No BU/AG/21/PHD/21385

Supervisor: Dr Rajesh Kumar Pandey

Rajni Sen (CSIR-UGC JRF) perusing her Ph.D.

Topic: “Eco-friendly integrated management of soil borne disease caused by root knot nematode and vascular wilt causing fungal pathogen infecting on *Solanum melongena*”

Date of Reg. 26/11/2020 and Enrollment No BU/SC/21/PHD/21395

Supervisor: Dr Rajesh Kumar Pandey

Ramesh Singh (CSIR-UGC NET) perusing his Ph.D.

Topic: "Ethnobotanical Studies of Medicinal Plants in Chitrakoot District, India with special reference in plant used in Folklores"

Date of Reg. 25/11/2022 and Enrollment No BU/SC/23/PHD/21571

served as co-supervisor for 04 students for M Phil thesis work

Served as supervisor for **35 M. Sc. students** for their M Sc thesis work.

Satya Narayan Saini, M.Sc. (Ag) Plant Pathology, (I.D. Number: RLBCAU/AG/PG/048/2020) **Department of Plant Pathology, Rani Lakshmi Bai Central Agricultural University** Jhansi perusing M.Sc. thesis "**Understanding of histopathological and biochemical mechanism of host plant resistance for major diseases in chickpea**" in Dr Rajesh Kumar Pandey Department of Botany B.U. Jhansi is member of advisory committee.

Reference:

1. Dr S. C. DUBEY Assistant Director General (ADG) Plant Protection ICAR, Ministry of Agriculture, Govt. of India, New Delhi – 110012 scdube2002@yahoo.co.in	2. Dr Dinesh Singh Principal Scientist Division of Mycology and Plant Pathology, IARI, New Delhi – 110012 dinesh_iari@rediffmail.com	3. Dr. A. K. Pandey , Dean College of Horticulture and Forestry Sikkim, Central Agricultural University Imphal, pandey.ajai1@gmail.com
4. Prof NK Dubey Professor Department of Botany BHU, Varanasi, UP nkdubeybhu@gmail.com	5. Prof. Dr. P. L. Uniyal Professor Department of Botany University of Delhi uniyalpl@rediffmail.com	6. Prof. Dr. B.K. Goswami FPSI, FNSI, AvH Fellow (Germany) Ex-Professor and Head Division of Nematology, IARI, New Delhi goswami_bk@yahoo.co.in

Personal Particulars

Passport No : G4940012

Name : RAJESH KUMAR PANDEY

Father's Name : Late Shri Ram Kritarth Pandey

Mothers Name : Late Smt. Kawalpatti Pandey

Date of Birth : 01.08.1977

Religion :Hindu (Brahiman)

Nationality :Indian

Sex :Male

Marital Status :Married

Languages Known :Hindi, English, Avadhi.

Permanent : Village - Sekhauriya, Post - Annapur, District - Ambedkarnagar, Uttar Pradesh

Postal Address: Dr. Rajesh Kumar Pandey, Department of Botany, BU Jhansi, UP E-10 3rd Floor Deen Dayal Upadhyay New Residential Campus, Bundelkhand University Jhansi-284128, UP Mobile-7839264140, Email: rkp_vam@rediffmail.com

I hereby state that all the information furnished above are true to the best of my knowledge and belief.

Place: Jhansi

Date:

(RAJESH KUMAR PANDEY)

Engaged in Teaching and Practical Class with UG and PG Students:

Old Course

BSc Botany IInd Year (Structure, Development and Reproduction of Flowering Plants BOY-2012)

BSc Botany IIIrd Year (Plant Physiology & Biochemistry BOY-3012)

MSc Botany Ist sem (Molecular Biology of Plants BOY-6092)

MSc Botany IIInd Sem (Genetics & Cytogenetics BOY-6096)

MSc Botany IIInd Sem (Plant Physiology BOY-6099)

MSc Botany IIIrd Sem (Plant Development and reproduction BOY-7091)

MSc Botany IIIrd Sem (Industrial Microbiology BOY-7104)

M. Phil Botany Ist sem - Basic Research Methodology & Instrumentation BOY MP-101

M. Phil Botany IIIrd Sem Specialization* BOY MP-103

NEP-2020:

BSc-Ist sem (Microbiology and Plant Pathology-Credit 6/120)

BSc-IIInd Sem (Archegoniate & Plant Architecture B040201T Credit 6/120)

BSc-IIIrd Sem (Flowering Plants Identification & Aesthetic Characteristics B040301T Credit 6/120)

BSc IVth sem (Economic Botany, Ethnomedicine & Phytochemistry B040401T Credit 6/120)

BSc Vth sem (Plant Physiology, Metabolism & Biochemistry B040501T Credit 6/120)

BSc Vth sem (Molecular Biology & Bioinformatics B040502T Credit 6/120)

NEP2020:

MSc-Ist sem (Microbiology BOT 1004C Credit 6/120)

MSc-IIInd Sem (Plant Physiology and Biochemistry BOT 2002C Credit 6/120)

MSc-IIIrd Sem (Industrial Microbiology BOT3003 E1.1 Credit 6/120)

MSc IIIrd sem (Plant Pathology BOT3004 E1.1 Credit 6/120)

Dr Rajesh Kumar Pandey 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:

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

List of E-content with link <https://bujhansi.ac.in/econtent/index.html> on **Bundelkhand University Jhansi-284128** prepared by Dr Rajesh Kumar Pandey, PhD, NET, FPSI, FSPPS, Assistant Professor, Department of Botany, Bundelkhand University, Jhansi-284128, Uttar Pradesh, India. May kindly verify from the website of Bundelkhand University Jhansi

S. No.	Author Name	Course	Year	Topic	Department	View https://bujhansi.ac.in/econtent/index.html
25	DR Rajesh Kumar Pandey	BSc Botany (Microbiology and Plant Pathology)	First Year	ISOLATION OF RHIZOBIA/RHIZOSPHERIC BACTERIA FROM SOIL/PLANTS SAMPLES	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
560	Rajesh Kumar Pandey,	MSc Botany (Plant Development and Reproduction)	3rd Sem	Pollination, fertilization, etc	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
838	Rajesh Kumar Pandey,	MSc Botany (Plant Physiology)	2nd Sem	Bioenergetics and Enzymology	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
1221	Rajesh Kumar Pandey	MSc Botany (Plant Development and Reproduction)	2 nd Sem	Seed and seed germination, meristem etc	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
1243	Dr Rajesh Kumar Pandey	MSc Botany (Industrial Microbiology)	4 th Sem	Sterilization	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS,	View https://bujhansi.ac.in/econtent/index.html

					JHANSI-284128	
1803	Rajesh Kumar Pandey	MSc Botany (Industrial Microbiology)	4 th Sem	Culture Media	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
1805	Dr Rajesh Kumar Pandey	MSc Botany (Genetics and Cytogenetics)	2 nd sem	Recombination and Mutation	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
2415	Dr Rajesh Kumar Pandey	MSc Botany (Molecular Biology of Plants)	1st sem	Cell Shape, Cytoskeleton, Flagellum etc	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI-284128	View https://bujhansi.ac.in/econtent/index.html
2644	Dr Rajesh Kumar Pandey	B.Sc. Botany Microbiology and Plant Pathology	First Year	Vegetable Disease and their Management	INSTITUTE OF BASIC SCIENCE (DEPARTMENT OF BOTANY) BU CAMPUS, JHANSI	Click Here
2928	Dr. Rajesh Kumar Pandey	Oyster Mushroom Cultivation	Unit-IV of B.Sc. Ist sem MSc IIIrd Botany	Unit-IV of B.Sc. Ist sem M.Sc. IIIrd Botany	Department of Botany	Click Here
2927	Dr. Rajesh Kumar Pandey	IPR & Protection of Plant Varieties and Farmers Right	Unit IV of BSc IVth sem	Unit IV of B.Sc. IVth sem	Department of Botany	Click Here

2926	Dr. Rajesh Kumar Pandey	Plant Physiology	M.Sc. Unit V M.Sc. Botany 3rd sem	M.Sc. Unit V M.Sc. Botany 3rd sem	Department of Botany	Click Here
2925	Dr. Rajesh Kumar Pandey	Elective Course Industrial Microbiology	M.Sc. Botany 3rd sem	M.Sc. Botany 3rd sem	Department of Botany	Click Here
2924	Dr. Rajesh Kumar Pandey	Isolation and Screening of Industrially important microorganism	MSc IIIsem	M.Sc. IIIsem	Department of Botany	Click Here
2923	Dr. Rajesh Kumar Pandey	Botany Plant Identification Utilization and Ethnomedicine	BSc 2nd sem	B.Sc. 2nd sem	Department of Botany	Click Here
2922	Dr. Rajesh Kumar Pandey	Pollen grains of Unit VII	BSc II Sem Botany MSc Botany II sem	B.Sc. II Sem Botany M.Sc. Botany II sem	Department of Botany	Click Here
2921	Dr. Rajesh Kumar Pandey	Molecular Biology & Bioinformatics	BSc Botany V sem	B.Sc. Botany V sem	Department of Botany	Click Here
2920	Dr. Rajesh Kumar Pandey	Compost Preparation method for White Button Mushroom	BSc Botany 1st sem	B.Sc. Botany 1st sem	Department of Botany	Click Here
2919	Dr. Rajesh Kumar Pandey	Instruments and Microscope used for Microbiological and	BSc 1st Unit -1 Botany I	B.Sc. 1st Unit -1 Botany I	Department of Botany	Click Here

		Pathological				
2918	Dr. Rajesh Kumar Pandey	Bioethanol and biogas production using lignocellulosic bio	BSc 1st sem MSc IIIsem	B.Sc. 1st sem MSc IIIsem	Department of Botany	Click Here
2917	Dr. Rajesh Kumar Pandey	Vinegar Production	BSc 1st sem and MSc IIIsem Botany	B.Sc. 1st sem and M.Sc. IIIsem Botany	Department of Botany	Click Here
2916	Dr. Rajesh Kumar Pandey	Cultivation of White Button Mushroom	BSc 1st sem and MSc III sem Botany	BSc 1st sem and MSc III sem Botany	Department of Botany	Click Here
2915	Dr. Rajesh Kumar Pandey	“Spawn Production Technology	B.Sc.	Ist sem Unit-IV Botany	Department of Botany	Click Here
2914	Dr. Rajesh Kumar Pandey	Mushroom Cultivation	B.Sc.	I sem Unit -IV of Botany	Department of Botany	Click Here
2913	Dr. Rajesh Kumar Pandey	Biofertilizers.p df	B.Sc.	I sem Unit -VIII Botany	Department of Botany	Click Here
2912	Dr. Rajesh Kumar Pandey	Herbarium of Paper Plant Identification, Utilization & Ethnomedicine	B.Sc.	2nd sem MSc IIsem Botany	Department of Botany, BU Jhansi	Click Here
2911	Dr. Rajesh Kumar Pandey	Biopesticides	B. Sc.	I sem Unit -VIII	Department of Botany	Click Here