

## Curriculum Vitae

### 1. Personal Information

**Name:** Dr. Laxman Prasad Balai

**Date of Birth:** 05 January 1980

**Father's Name:** Shri Gordhan Balai



### 2. Current Position: Assistant Professor (Plant Pathology)

Incharge, Department of Plant Pathology

College of Agriculture, Fatehpur-Shekhawati

(Sri Karan Narendra Agriculture University, Jobner)

District Sikar – 332301, Rajasthan

**Mobile:** 8441061023

### 3. Permanent Address: Village: Kabrokabas, Post: Badhal, Tehsil: K.

Renwal, District-Jaipur – 303602, Rajasthan,

**Mobile:** 9785667911

### 4. Contact Details Email: [laxman.ppath@sknau.ac.in](mailto:laxman.ppath@sknau.ac.in),

[Laxmanbhu08@gmail.com](mailto:Laxmanbhu08@gmail.com)

### 5. Educational Qualifications

Degree	Year	Institution
B.Sc. (Hons.) Agriculture	2004	SKN College of Agriculture, Jobner (RAU, Bikaner)
M.Sc. (Ag.) Plant Pathology	2007	SKN College of Agriculture, Jobner (RAU, Bikaner)
Ph.D. (Ag.) Mycology & Plant Pathology	2013	Institute of Agricultural Sciences, BHU, Varanasi

### 6. Area of Specialization: Integrated Disease Management of Vegetables and Pulses

### 7. Professional Experience:

#### Extension Experience

- Subject Matter Specialist, ICAR-CAZRI, KVK, Pali-Marwar (October 2013 – 03 July 2018)
- Assistant Professor, KVK Dholpur (SKNAU, Jobner) (March 2019 – October 2020)

#### Research Experience

- Agricultural Research Station (ARS), Navgaon, Alwar (04 July 2018 – February 2019)

#### Teaching Experience

- College of Agriculture, Kishangarhbas & College of Agriculture, Fatehpur-Shekhawati (SKNAU, Jobner) (October 2020 – Present)

### 8. Professional Membership: Life Member, Indian Phytopathological Society (Indian Phytopathology Journal – September 2024)

### 9. Administrative and Managerial Experience

- ADSW, COA Kishangarhbas (07 July 2021 – 10 January 2025)
- NSS Incharge, COA Kishangarhbas (15 January 2021 – 10 January 2025)
- Scholarship Incharge, COA Kishangarhbas (15 January 2021 – 10 January 2025)

- Vehicle Incharge:
  - COA Kishangarhbas (08 September 2021 – 10 January 2025)
  - COA Fatehpur-Shekhawati (11 January 2025 – Present)
- Farm Incharge:
  - KVK Dholpur (04 April 2019 – 20 October 2020)
  - COA Fatehpur-Shekhawati (11 January 2025 – Present)
- Planning, Monitoring & Reporting Incharge, KVK Dholpur (2019–2020)
- Library Incharge, ICAR-CAZRI, KVK Pali-Marwar
- Store Incharge, COA Fatehpur-Shekhawati (20 February 2026 – Present)

### 10. Outreach & Media Contribution

Delivered a talk on **“Rabi Fasalon Mein Adhik Utpadan Kaise Prapt Karein”** under the Sajeev Phone-in Programme at All India Radio (Akashvani), Alwar, on **21 November 2024** (Ref. No.: ALL I/KISAN/20914169)

### 11. Trainings / Capacity Building Programmes

S. No.	Title of training	Organized by	Subject/ Specialization	Duration	
<b>21 days trainings (Long-Term / Winter Schools)</b>					
1.	Winter School on “Effective strategies for modern plant disease management”	Department of Plant Pathology, SKRAU, Bikaner, Rajasthan.	Plant Pathology	06.02.2024	26.02.2024
2.	ICAR winter School training programme on “conservation Agriculture for efficient resource use and climate-resilient farming”	Division of Agronomy, ICAR-IARI, New Delhi	Agriculture	15.02.2022	07.03.2022
3.	II <sup>nd</sup> Orientation Programme	DHRD, SKNAU, Jobner	Agriculture	14.08.2019	03.09.2019
4.	ICAR- sponsored training 33 <sup>rd</sup> training course on “Perspectives of plant microprobe interactions in promoting plant	GBPUAT, Pantnagar (Uttarakhand).	Plant Pathology	07.09.2016	27.09.2016

	health and disease management”				
5.	Online course employment generation among rural youth through Agripreneurship	IIT Kanpur	Agriculture	Six Weeks	14.06.2020
6.	Online course Integrated Pest Management	IIT Kanpur	Agriculture	Six Weeks	30.06.2020
Short-Term / Specialized Trainings					
7.	ICAR- sponsored short course on Recent Advances in Mass production of biological agents	ICAR-NCIPM, New Delhi.	Plant Pathology	01.09.2015	10.09.2015
8.	Mushroom production technology for KVK Scientist	ICAR-DMR, Chambaghat, Solan (H. P).	Plant Pathology	18.07.2014	24.07.2014
9.	Participation in training programme on Drought Mitigation and management	CAZRI, Jodhpur and collaboration with NIDM, New Delhi.	Agriculture	24.03.2014	28.03.2014
10.	I have participated in a skill training course 2019-20 Job role mushroom grower training of trainers	KVK, Udaipur with ICAR- ATARI, Jodhpur	Plant Pathology	17.12.2019	19.12.2019
11.	I have participated in a backstopping Training course on Biointensive pest Management	DEE, MPUAT, Udaipur sponsored by ICAR- ATARI, Jodhpur	Plant Protection	09.12.2015	10.12.2015
12.	Master Trainers training engaged in e-Pest Surveillance (A3P)”	SIAM, Durgapura, Jaipur.	Plant Protection	22.01.2014	23.01.2014
13.	Course on IPM in important crops	RARI, Durgapura,	Plant Protection	16.10.2014	18.10.2014

	with special references to Gujarat and Rajasthan	Jaipur, Rajasthan in collaboration with NCIPM, New Delhi.			
14.	Participatory training management skills	DEE, SKNAU, Jobner, Sponsored EEI, Anand Gujarat.	Agriculture	13.11.2019	15.11.2019
15.	Leadership development and team buildings skills for extension functionary	KVK Ajmer, Sponsored by EEI, Anand (Gujarat).	Agriculture	18.10.2019	19.10.2019
16.	Oilseeds production Technology	ICAR-ATARI, Jodhpur.	Agriculture	29.07.2016	30.07.2016
17.	Application of Pusa Hydrogel and bio-fertilizers for higher productivity and water use efficiency	DAE, ICAR-IARI, New Delhi.	Agriculture	31.08.2015	01.09.2015
18.	2 <sup>nd</sup> workshop cum Training on National Initiative on Fodder Technology Demonstration	IGFRI, Jhansi, MPKV, Rahuri and ICAR, New Delhi.	Agriculture	13.12.2013	13.12.2013

#### A. Publication:

##### Research papers published in journals of NAAS rating:

1. **L. P. Balai**, S.M. Khardia, N. Singh S Indu Bala Sethi, and Sachin Sharma (2025). Status, crop losses, epidemiology, variability, and disease management of cumin blight: A review. *Journal of Spices & Aromatic Crops*.34 (1):1-14.
2. **L. P. Balai**, N. Singh and S. M. Khardia (2023). An updated review of *Alternaria* blight of pigeonpea [*Cajanus cajan* (L.) Mill sp.]. *Environment and Ecology*.41(4A):2507-2515.

3. **L. P. Balai** and S. Kumar (2022). Integrated disease management of leaf spot of brinjal caused by *Alternaria alternata*: A Review. *Environment and Ecology*.40(2A): 440-450.
4. **L. P. Balai**, N. Singh and D. R. Sharma (2021). Impact on cluster frontline demonstrations on the productivity of mustard (*brassica juncea*). *International Journal of Bioresource and Stress Management*.12(4): 295-303.
5. **L. P. Balai**, R. B. Singh, A. Sinha and S. M. Yadav (2020). Evaluation of different fungicides and antagonists *In vitro* and *In vivo* condition against *Alternaria* blight of pigeonpea. *Legume Research-An International Journal*. 43(2):268-275.
6. **L. P. Balai**, R. B. Singh, A. Sinha and S. M. Yadav (2020). Biochemical variability study in genotype and isolate of *Alternaria* blight in pigeonpea. *Chemical Science Review and Letters*. 9(33): 24-33.
7. S. M. Yadav, V. Singh, R. Soni, **L. P. Balai** and S. L. Yadav (2017). Phenotyping of Tomato RILs for resistance to *Alternaria Solani* under poly house and field conditions. *Chemical Science Review and Letters*. 6 (22): 1092-1100.
8. **L. P. Balai**, A. Sinha, R. B. Singh and S. M. Yadav (2016). Cultural, morphological and pathogenic variability of *Alternaria tenuissima* causing blight in pigeonpea of Eastern Uttar Pradesh. *Indian Phytopathology*. 69 (1): 32-36.
9. **L. P. Balai**, R. B. Singh and S. M. Yadav (2013). Varietal screening and agronomical performance of pigeonpea genotypes/cultivars against *Alternaria* blight (*Alternaria tenuissima* Kunz ex Pers.) Wiltshire. *Journal of food legumes*. 26 (1and2): 54-56.
10. S. M. Yadav, R. K. Patil, A. K. Rai, **L. P. Balai** S. Singh and R. Niwas (2013). A survey: Occurrence of post harvest rots of aonla with new reported pathogen (*Penicillium funiculosum* Thom.). *Plant Pathology Journal*. 12 (2): 124-126.
11. M. Kumar, A. C. Shivran, R. Chouhan, K. S. Meena, K. C. Verma, R. D. Jat and **L. P. Balai** (2013). Production potential and economics of intercropping of castor with mungbean. *Environment and Ecology*. 31 (2C):1065-1068.
12. S. M. Yadav, R. K. Patil, S. Singh, **L. P. Balai** and A. K. Rai (2013). Use of botanical products for breakdown the parasitize of new recorded

- Penicillium funiculosum* of Aonla. *Plant Pathology Journal*. 12 (2): 120-123.
13. S. M. Yadav, R. K. Patil, S. Singh, **L. P. Balai** and A. K. Rai (2013). Isolation, purification and pathogenicity of *Penicillium funiculosum* causing fruit rot of aonla. *Bioinfolet*. 10(2 A): 537-538.
  14. S. M. Yadav, R. K. Patil, S. Singh, **L. P. Balai** and A. K. Rai (2013). Impact of inoculation methods on development of *Penicillium* fruit rot of Aonla (*Emblica officinalis* Gaertn.). *Environment and Ecology*. 31(2): 558-560.
  15. **L. P. Balai**, R. R. Ahir and S. M. Yadav (2013). Varietal screening of brinjal genotypes against leaf spot of disease caused by *Alternaria alternata*. *Environment and Ecology*. 40(2A): 1276-1278.
  16. **L. P. Balai** and R. R. Ahir (2011). Evaluation of plant extracts and biocontrol agents against leaf spot disease of Brinjal. *Indian Phytopathology*. 64(4): 378-380.
  17. S. M. Khardia, **L. P. Balai** and Y. K. Ghilotia (2023). Influence of different PGRs and zinc levels biofortification on nutrient content and uptake in pearl millet under a hyper arid region. *The pharma innovation Journal*. 12 (10): 2566-2571.
  18. S. M. Khardia, **L. P. Balai** and Y. K. Ghilotia (2022). Influence of plant growth regulators and zinc fertilization on growth & yield attribute of Pearlmillet [*Pennisetum glaucum* L.]. *The pharma innovation Journal*. 11 (4): 1990-1993.
  19. D. Kachhawa, N. Singh, S. M. Meena, M. Singh, **L. P. Balai** and L. Berwal (2021). Impact of cluster frontline demonstration in productivity enhancement and dissemination of pigeon pea production technology in Dholpur, Rajasthan. *The pharma innovation Journal*. 10(6):1305-1308.
  20. **L. P. Balai**, D. Singh and M. L. Meena (2020). Evaluation of technological gap and performance of low yield of tomato due to fruit borer. *International Journal of Plant Protection*. 13 (2): 166-170.
  21. **L. P. Balai**, D. R. Sharma, N. Singh, and S. M. Meena (2020). Assessment of technological gap and performance of management of common scab of potato. *International Journal of Plant Protection*. 13 (2): 143-147.
  22. **L. P. Balai**, N. Singh, D. R. Sharma, M. Singh and S. M. Meena (2020). Evaluation of cluster frontline demonstrations on production, productivity, profitability, adoption and horizontal spread of Chickpea (*Cicer arietinum* Linn) in Dholpur district of Rajasthan, India. *International Journal of Current Microbiology and Applied Science*. 9(11): 3402-3413.
  23. S. M. Khardia, Y K Ghilotia, **L. P. Balai** and I. B. Sethi (2020). Effect of plant growth regulators and zinc fertilization on growth of Pearlmillet

- [*Pennisetum glaucum* (L.) R. Br. emend Stuntz]. *International Journal of Current Microbiology and Applied Science*. 9(12): 3161-3168.
24. **L. P. Balai**, D. Singh and M. L. Meena (2020). Assessment of technological gap and performance of integrated disease management approach for wilt in cumin. *International Journal of plant Protection*. 13(1):76-80.
  25. D. Singh, M. K. Choudhary, M. L. Meena, **L. P. Balai** and C. Kumar (2018). Seed village programme: Ensuring livelihood security of small and seed spices farmers. *International Journal of Seed Spices*. 8(2):48-53.
  26. D. Singh, M. K. Choudhary, M. L. Meena, **L. P. Balai** and C. Kumar (2017). Kharchia Wheat: King of saline environment. *Desert Environment Newsletter*. 19 (1-2): 11-12.
  27. **L. P. Balai**, A. Sinha, R. B. Singh and S. M. Yadav (2017). Biochemical constituents of Alternaria blight of pathogens in pigeonpea. *Asian Journal of bio science*. 12 (1): 1-7.
  28. S. M. Yadav, V. Singh, M. Singh, **L. P. Balai** and R. Chand (2017). Evaluation of resistance for early blight caused by *Alternaria solani* (Ellis and Martin) Sorauer in tomato. *Asian Journal of Bio Science*. 12 (2): 87-99.
  29. B. C. Nath, R. B. Singh and **L. P. Balai** (2013). Studies on status of leaf spot of groundnut in Chunar and nearby areas of Mirzapur district of Uttar Pradesh. *Trends in Biosciences*. 6 (1):86-87.
  30. **L. P. Balai** and R. R. Ahir (2013). Survey and occurrence of leaf spot caused by *Alternaria alternata* (Fr.) Keissler Brinjal in Jaipur district. *Advances in Life sciences*. 2(1):71-72.
  31. **L. P. Balai** and R. B. Singh (2013). Losses caused due to Alternaria blight disease in the grain yield of pigeonpea. *Trends in Biosciences*. 6 (1):40-42.
  32. **L. P. Balai**, R. B. Singh and S. M. Yadav (2013). Sowing time and plant population on the disease intensity of Alternaria blight of pigeonpea. *Indian journal of plant protection*. 41 (4): 326-331.
  33. **L. P. Balai** and R. R. Ahir (2013). Role of temperature and relative humidity on mycelial growth of *Alternaria alternata* infecting brinjal. *Trends of Biosciences*. 6: 307-308.
  34. **L. P. Balai** and R. B. Singh (2013). Survey for the disease status intensity of Alternaria blight of pigeonpea in Eastern part of Uttar Pradesh and adjoining districts of Western Bihar. *The Bioscan*. 8(1):63-66.
  35. **L. P. Balai**, R. B. Singh and S. M. Yadav (2013). Integration management of Alternaria blight of pigeonpea with some fungicides and antagonists in pot condition. *The Bioscan*. 8(3):881-886.

36. N. K. Jatav, K. S. Shekhawat and **L. P. Balai** (2013). Chemical control of wilt of brinjal (*Solanum melongena* L.) caused by *Fusarium oxysporium f. sp. melongenae* (Schlecht) Mutuo and Ishigami. *Trends in Bioscience*. 6 (6): 781-783.
37. S. Behera, R. B. Singh and **L. P. Balai** (2013). Efficacy of fungicides on *in vitro* growth of pigeonpea against stem canker. *Trends in Biosciences*. 6(2):190-191.
38. J Singh, R. B. Singh and **L. P. Balai** (2013). Grain yield loss in mungbean due to web blight. *Trends in Biosciences*. 5(2): 147-148.
39. J. Singh, R. B. Singh and **L. P. Balai** (2013). Manipulation of sowing dates and inter-rows spacing an eco friendly management of mungbean (*Vigna radiata*) web blight, *Trends in Biosciences*. 5 (2):152-153.
40. S. M. Yadav, R. K. Patil, **L. P. Balai** and A. K. Rai (2012). Eco-chemical management of a new fungal rot (*Penicillium funiculosum* Thom.) of Aonla. *The Bioscan*. 7(4):649-651.
41. **L. P. Balai**, R. R. Ahir, R. B. Singh and R. K. Singh (2010). Chemical Control of Leaf Spot of Brinjal caused by *Alternaria alternata*. *Indian Journal of Plant Pathology*. 24 (1/2):109-113.

#### **(B) Book chapters:**

- I. B. Sethi, M. Jajoria, S. Kumar, N.K. Braod, **L.P. Balai**, L.K Jat, H. R Mali and S. Muralia (2019). Watershed Management, Environmental Issues and Sustainable Agriculture, Weser Books Zittau, Germany. **Pg. 56-72.**
- II. I.B. Sethi, M. Jajoria, S. Kumar, N.K. Broad, **L.P. Balai**, L.K. Jat, H. R Mali and S. Muralia (2019). Crop Planning for Erratic and Aberrant, Weather Conditions, modern approaches in crop improvement, Weser Books Zittau, Germany. **Pg 1-7.**

#### **(C) Booklet / Extension Literature:**

1. लक्ष्मण प्रसाद बलाई, नवाब सिंह (2021). मशरूम उत्पादन लाभकारी व्यवसाय, कृषि विज्ञान केन्द्र, धौलपुर, प्रसार शिक्षा निदेशालय, श्री कर्ण नरेन्द्र कृषि विश्वविद्यालय, जोबनेर.1-80.
- 2- **L.P. Balai, and D. Singh (2014)**. Commercial cultivation of oyster mushroom. KVK, Pali Marwar, CAZRI, Jodhpur (Raj.). 1-28.

#### **Extension & Popular Articles:**

1. **L.P. Balai**, M. K. Chaudhary, M. L. Meena, D. Singh and M M Roy (2014). Integrated Pest Managements in mungbean crop. KVK, Pali Marwar, CAZRI, Jodhpur (Raj.). 1-4.

#### **English Article:**

1. **L.P. Balai** and N. Singh (2021). Adoption of innovative button mushroom grower: A success story of entrepreneurs. *Just Agriculture* e-ISSN: 25828223, 2(2): 65:1-8.
2. M. Singh, **L.P. Balai** and Prince (2020). Indigenous technical knowledge (ITKs) and its role in sustainable a Agriculture. *Agrospheres: e-Newsletter* ISSN(E) 2582-7022. 1 (2): 29-32.
3. D. Singh, **L.P. Balai**, M. K. Choudhury, M. L. Meena, and C. Kumar (2018). Successful intervention of plant protection strategies on farmer field success stories from KVK, Pali. Model training course on Eco-friendly integrated Pest management in arid crop at ICAR-CAZRI, Jodhpur, 5-8.
4. R. Niwas, D. Singh, S. M. Yadav and **L. P. Balai** (2013). Traditional wisdom for diseases treatment in animal husbandry. *Popular Kheti*. 1 (2): 30-38.
5. S. M. Yadav, R. K. Patil, S. Singh, **L. P. Balai** and R. Niwas (2013). Post-harvest diseases of horticultural crops and their management. *Popular Kheti*. 1 (3): 20-25.

#### Popular article (Hindi):

1. **लक्ष्मण प्रसाद बलाई**, सागर मल खारडिया, एवं अर्जुन कुमार वर्मा (2024). चने के प्रमुख रोग एवं कीट एवं उनका प्रबंधन, खेती दुनिया, पटियाला, 8 (1):3.
2. सागर मल खारडिया, **लक्ष्मण प्रसाद बलाई** एवं अर्जुन कुमार वर्मा (2023). अर्ध-शुष्क मैदानों के लिए एकीकृत कृषि (आईएफएस) प्रणाली मॉडल, खेती दुनिया, पटियाला,7(46):3.
3. **लक्ष्मण प्रसाद बलाई**, नवाब सिंह, सागर मल खारडिया, माघो सिंह, शिव मूरत मीणा, इंदू बाला सेठी, निरजन कुमार बरोड, लोकेश कुमार जाट व सुरेश कुमार (2023). बाजरे की फसल में लगने वाले प्रमुख रोग, कीट एवं उनका प्रबंधन, खेती दुनिया, पटियाला, 7(37):7 व 10.
4. **लक्ष्मण प्रसाद बलाई** व सागर मल खारडिया (2023). कपास की फसल में लगने वाले प्रमुख रोग एवं उनका समेकित रोग प्रबंधन खेती दुनिया, पटियाला, 7(36): 3 व 6.
5. **लक्ष्मण प्रसाद बलाई**, नवाब सिंह, माघो सिंह, निरजन कुमार बरोड, सागर मल खारडिया (2023). मूंग के प्रमुख रोग एवं प्रबंधन, खेती दुनिया, पटियाला, 7(35):6 व 10.
6. अरविन्द कुमार यादव, **लक्ष्मण प्रसाद बलाई** एवं राकेश सम्मौरिया (2023). पाले से फसलों का बचाव, खेती 10 फरवरी 2023, 36.
7. **लक्ष्मण प्रसाद बलाई**, माघो सिंह, नवाब सिंह, शिव मूरत मीणा, इंदू बाला सेठी, निरजन कुमार बरोड, लोकेश कुमार जाट (2022). ग्वार की फसल में लगने वाले प्रमुख रोग एवं उनके प्रबंधन के उपाय, खेती दुनिया, पटियाला, 6 (30) 8.
8. **लक्ष्मण प्रसाद बलाई** व सागर मल खारडिया (2022). ट्राइकोडर्मा का भूमि जनित रोगों में उपयोग, खेती दुनिया, पटियाला, 6(33): 3.
9. **लक्ष्मण प्रसाद बलाई**, राकेश सम्मौरिया एवं अरविन्द कुमार यादव (2022). बटन मशरूम का उत्पादन एक लाभदायक व्यवसाय, एग्री एक्सपो-2022 (किसान मेला) कृषि स्मारिका, प्रसार शिक्षा निदेशालय, श्री कर्ण नरेन्द्र कृषि विश्वविद्यालय, जोबनेर (जयपुर) राज.:19-25

10. **लक्ष्मण प्रसाद बलाई**, एम. पी. यादव, ए. के. यादव एवं एस. एस. शेखावत (2021). ढिंगरी मशरूम की व्यवसायिक खेती. कृषि स्मारिका, प्रसार शिक्षा निदेशालय, श्री कर्ण नरेन्द्र कृषि विश्वविद्यालय, जोबनेर (जयपुर) राज.: 32–37.
11. **लक्ष्मण प्रसाद बलाई**, एम. पी. यादव एवं ए. के. यादव (2021). दूधिया मशरूम की खेती गर्मीयो में आय का उत्तम स्रोत. जोबनेर कृषि, प्रसार शिक्षा निदेशालय, श्री कर्ण नरेन्द्र कृषि विश्वविद्यालय, जोबनेर (जयपुर) राज., 4 (मई) :2–5.
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**Dr. Laxman Prasad Balai**