

BIO DATA OF KRISHNAPRIYA P J

A. General information

Name : KRISHNAPRIYA P J
Designation : ASSISTANT PROFESSOR
Discipline : PLANT PATHOLOGY
:
Date of birth : 02-12-1991
Sex : FEMALE
Official address : DEPARTMENT OF PLANT PATHOLOGY,
COLLEGE OF AGRICULTURE, VELLAYANI, TRIVANDRUM.

Residential address : SAKETHAM. TC: 13/1827. KOYIKKAL
LANE. KANNAMOOLA. MEDICAL COLLEGE. P.O. 695011. TRIVANDRUM

E mail ID : krishnapriya.pj@kau.in
Phone No. Office : NIL
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Academic qualification

Examination passed	Board/ University	Subject	Year	OGPA
BSc. (Hons.)	Kerala Agricultural University	Agriculture	2013	8.23
M.Sc.	Kerala Agricultural University	Plant Pathology	2015	9.65
ARS NET exam	The Agricultural Scientist Recruitment Board	Plant Pathology	2016	59 per cent

Ph.D. Plant Pathology	Kerala Agricultural University	Plant Pathology	2020	9.5

B. Awards & Recognitions:

1. Dr. P.K.R. Nair Prize for best Ph.D. thesis - Kerala Agricultural University
2. M.Sc. (Ag.) First rank in Plant Pathology - Kerala Agricultural University

C. Area of specialization : Mushroom breeding and Plant virology

D. ACADEMIC RESEARCH GUIDANCE:

Serving as major advisor of two MSc. Students. Co-PI of 3 MSc. students.

Complete guidance of two M.Sc. students of Plant Pathology

E. Research Projects

1. Observational trial- Evaluation of *Pleurotus cystidiosus* at areas of high elevation of Kerala at Cardamom Research Station, Pampadumpara. Funding Agency: Kerala Agricultural University

F. RESEARCH PUBLICATIONS

1. Krishnapriya, P. J. and Geetha, D. 2020. Protoplast fusion between *P. cystidiosus* and *P. opuntiae*. *Mushroom Research*. 29 (2): 171-191.
2. Krishnapriya, P. J. and Geetha, D. 2017. First report of *Tricholoma giganteum* from Kerala. *Mushroom Research*. 20(1): 112-115.
3. Krishnapriya, P.J., Umamaheswaran, K., and Harikrishnan, P. J. 2016. Variation in isoperoxidase profile in papaya in Response to Papaya ringspot virus (PRSV) Infection. *Research Journal of Agricultural Sciences*. 7(2): 469-470.
4. Krishnapriya, P. J., Umamaheswaran, K., and Harikrishnan, P. J. 2015. Biochemical basis of resistance in cowpea genotypes systemically infected with *Bean common mosaic virus* (BCMV). *Trends in Biosciences*. 8(16): 4263-4266.

5. Jose, A., Geetha, D., and Krishnapriya, P. J. 2018. Cultivation and nutritional studies on *Ganoderma lucidum* (Curt. Fr.) P. Karst, the leader of medicinal mushrooms. *Trends in Biosciences*. 11(9): 1928-1932.
6. Nesma A. S, Susha S. Thara, K. B. Soni, K. P. Sindura and Krishnapriya P. J. Molecular Biology Reports. July 2023. Expression profiling of laccase and B-glucan synthase genes in *Pleurotus ostreatus* during different developmental stages.
7. Krishnapriya, P.J., and Geetha, D. 2023. Study of different spawn and bed substrates for cultivation of *Pleurotus cystidiosus*. *J. Farm Science*. 36 (1):40-46.
8. Krishnapriya, P. J, Umamaheswaran, K, Harikrishnan, P. J. 2014. Biochemical basis of resistance in papaya genotypes systemically infected with Papaya Ring Spot virus. *International Journal of Applied and Pure Science and Agriculture*. 1(6): 41-46
9. Krishnapriya, P. J, and Umamaheswaran, K. 2015. Variation in isoperoxidase profile in cowpea In Response to Bean Common Mosaic Virus (BCMV) Infection. *Journal of Agricultural Science and Research*. 2(2): 79-82.
10. Krishnapriya, P. J, Umamaheswaran, K, Harikrishnan, P. J. 2016. Immunomolecular detection and characterisation of potyvirus causing mosaic in cowpea in kerala. *Journal of Agricultural Science and Research*. 3(1):57-64
11. Proximate Constitution and Antiproliferative Activity of *Pleurotus opuntiae* (Durieu and Lev.) Sacc. against Colon Cancer. P.J. Krishnapriya and D. Geetha. 2017. *Int. J. Curr. Microbiol. App. Sci*. 6(5):
12. Priya R. U, Geetha D. and Krishnapriya P. J. 2017. Survey and Studies on Morphological Characters of Black Ear Mushroom (*Auricularia* spp.). *Int. J. Pure App. Biosci*. 5 (3): 159-163.
13. P.J. Harikrishnan, P.V. Satyanarayana, B.N.V.S.R. Ravi kumar and P.J. Krishnapriya. 2015. Variability for Yield and Component Traits in Elite Parental Lines of Rice (*Oryza sativa* L.). *Trends in Biosciences* 8(16): 4249-4251.
14. P.J. Harikrishnan, P.V. Satyanarayana, B.N.V.S.R. ravi kumar and P.J. Krishnapriya. 2016. Estimation of Genetic Diversity Among the Parental Lines in Rice (*Oryza sativa* L.) Using D2 Statistics. *Advances in Life Sciences* 5(5).
15. Krishnapriya, P. J., Geetha, D. and Priya, R. U. 2017. Morphological and Molecular Characterization of Oyster Mushrooms of Kerala. *Int. J. Pure App. Biosci*. 5 (6): 716-724.

16. Krishnapriya, M.S., Nithya, P.R., Thube, S.H., O. P. Reji Rani, P. J. Krishnapriya, Neena Lenin and A. P. Nikoshe. 2025. First record of ambrosia beetle *Xylosandrus crassiusculus* (Motschulsky) infestation on rambutan *Nephelium lappaceum* from Kerala, India. *Int J Trop Insect Sci.* <https://doi.org/10.1007/s42690-025-01480-0>.
17. Arya S. Raj, Krishnapriya P. J, K. B. Soni, Heera G. and Sindura K. P. 2024. Screening of *Schizophyllum commune* strains for laccase and peroxidase production. *Mushroom Research.* 33 (2): 207-218
18. Ammu Asok, Krishnapriya, P.J., Paul A, Johnson, J.M., Sindhura, K.P., and Radhakrishnan, N.V. 2024. Etiology and immuno-molecular detection of snake gourd (*Trichosanthes anguina* L.) mosaic disease in Kerala, India. *Veg. Sci.* 51(1): 40–48.

Review papers:

1. Krishnapriya, P. J and Umamaheswaran, K. 2015. Antiviral Principles (AVP'S) For Virus Disease Management in Plants: A Review. *Journal of Agricultural Science and Research.* 2(2): 83-88.
2. P. J. Harikrishnan, Rajib Das, Jeena George and Krishnapriya P.J. 2016. Prospects of Next Generation Sequencing in Plant Breeding. *Advances in Life Sciences.* 5(5): 1618-1630.
3. Farhana, A.P., Krishnapriya, P.J., Heera, G., Anu Raj, S.S., Sherin, A. Salam, Saru Sara, Sam., and Arya S Raj. 2024. Endophytes for the management of plant viruses. *J. Plant Dev. Sci.* 16(9): 333–344.
4. Sreechithra. M.S, Sherin. A.Salam, Krishnapriya P.J, Anu Rajan S and Heera. G. 2024. AMF mediated defense responses in crop plants against phytopathogenic fungi. *J. Plant Dev Sci.* 16(1): 1-7.

Research papers in Proceedings

1. Ammu Asok. A., Krishnapriya P. J., Joy. M., Radhakrishnan N. V. and Sindura K. P. Immunomolecular detection of viruses causing snake gourd mosaic disease in Kerala. At International Biotechnology Conclave- Biozion. 7-11 August 2023.
2. Krishnapriya. P. J, Geetha. D, Heera. G, and Sherin. A. Salam. Physiological studies on *Pleurotus cystidiosus* and *Pleurotus opuntiae*. At Indian Mushroom Conference-2023 on Mushroom Diversity and Diversification: Opportunities and Challenges, 18-19 August, 2023.
3. Sherin A. Salam, Dr. Heera, G., and Dr. Krishnapriya P, J. Evaluation of spent Mushroom substrate and biochar in enhancing the yield of amaranthus at Indian Mushroom Conference-2023 on Mushroom Diversity and Diversification:

Opportunities and Challenges, 18-19 August, 2023.

4. Krishnapriya, P.J. and Geetha, D. 2022. Antioxidant and antiproliferative activity of melanin extracted from coremia of *P. cystidiosus*. In: Proceedings of International Seminar on ‘Plant Chemistry, Gene Prospecting and Clinical Biology, November 10 and 11, 2022, Thiruvananthapuram, p 54-55.

5. Presented a paper (virtual) entitled Nutritional studies on different species of oyster mushrooms in the National Conference on “Tribal Horticulture” organized by Dr. YSR Horticultural University, Venkataramannagudem, West Godavari District, Andhra Pradesh from 17-18 October, 2022.

6. Presented a poster entitled ‘Effect of amendments and chemical sprays on fruiting body production of *Pleurotus opuntiae* (Durieu and Lev.) Sacc. and analysis of proximate constituents’ authored by Krishnapriya P. J, Geetha D and Priya R.U. in the National Symposium on Mushroom-Trends and innovations in Mushroom Science during 27-28 April 2017 at ICAR-Directorate of Mushroom Research, Solan.

7. Delivered an oral presentation on ‘First report of *Pleurotus cystidiosus* O.K. Mill from Kerala, its spawn production and bed studies’ authored by Krishnapriya P. J, Geetha D and Priya R.U. in the National Symposium on Mushroom-Trends and innovations in Mushroom Science during 27-28 April 2017 at ICAR-Directorate of Mushroom Research, Solan.

8. Heera, G., Sherin A. Salam and Krishnapriya P, J. *Cyathus* spp.-An unexploited mushroom with a great potential. at Indian Mushroom Conference-2023 on Mushroom Diversity and Diversification: Opportunities and Challenges, 18-19 August, 2023.

9. Heera G, Sharma V P. Sherin A Salam, Krishna Priya P. J and Kiran K.B. 2024. *Macrocybe* sp. An ideal tropical mushroom suited to Kerala. Proceedings of ICAR Sponsored Conference-CITAAS 2024; Current Innovation and Technological Advances in Agriculture and Allied Sciences from 29-31 Aug, 2024 pg 215.

BOOKS :

BOOK CHAPTERS :

TECHNICAL BULLETINS :

LEAFLETS :

- Dr. Susha S Thara, Smt. Divya. S, Dr. Radhika N. S., Dr. Ayisha R., Dr. Pramod R, Dr. Heera G, Dr. Krishnapriya, Smt. Sherin A. Salam, Dr. N. V. Radhakrishnan. 2023. Vazhuthana vargavilakalile bacterial vattam.
- Dr. Radhika N. S.,Dr. Susha S Thara, Dr. Pramod R, Dr. Ayisha R., Smt. Divya. S, Dr. Heera G, Dr. Krishnapriya, Smt. Sherin A. Salam, Dr. N. V. Radhakrishnan. 2023. Pachakariyile pradhana virus rogangalum avayide niyanthrana margangalum.
- Dr. Pramod R, Dr. Susha S Thara, Dr. Radhika N. S., Dr. Ayisha R., Smt. Divya. S, Dr. Heera G, Dr. Krishnapriya, Smt. Sherin A. Salam, Dr. N. V. Radhakrishnan. 2023. Paristhithi sougardha rogsniyanthranam jaiveeka margathiloode.
- Dr. Ayisha R., Dr. Susha S Thara, Dr. Radhika N. S., Dr. Pramod R, Smt. Divya. S, Dr. Heera G, Dr. Krishnapriya, Smt. Sherin A. Salam, Dr. N. V. Radhakrishnan. 2023. Vazhayile prashana rogangalum niyanthranavum.
- Smt. Divya. S, Dr. Susha S Thara, Dr. Radhika N. S., Dr. Ayisha R., Dr. Pramod R, Dr. Heera G, Dr. Krishnapriya, Smt. Sherin A. Salam, Dr. N. V. Radhakrishnan. 2023. Vellarivargavilakalile rogangalum niyanthrana margangalum.
- Dr. Susha S Thara, Smt. Divya. S, Dr. Pramod R, Dr. Radhika N. S., Dr. Ayisha R., Dr. Heera G, Dr. Krishnapriya, Smt. Sherin A. Salam, Dr. N. V. Radhakrishnan. 2023. Aarogyathinum aadhayathinum Koon.

POPULAR ARTICLES

:

1. Krishnapriya. P.J and Sherin. A. Salam. ‘Nellinte pradhana kathir rogangal’. Kalpadhenu. April-June 2023. Pages: 27-28.
2. Krishnapriya.P.J. 2023. ‘Vazhaye veezhthum kumil rogangal’. Karshakasree. 44-45.
3. Ammu Asok, A and Krishnapriya P. J. 2023. Satellites as Biocontrol agents against plant viruses. Biotica Research Today. 5(9): 655-657.
4. Krishnapriya, P.J and Aisha, R. 2023. ‘Nellile pradhana rogangalum niyanthrana margangalum’. Karshakan. Pages: 59-62.
5. Krishnapriya, P.J and Harikrishnan, P.J. August. 2015. Papaya ring spot disease: A threat to papaya. 2015. Kerala Karshakan e-journal.46 p.
6. Krishnapriya, P.J. September 2015. Zero budget Natural Farming. Kerala Karshakan e-journal.40-41.

7. Krishnapriya, P.J. December 2015. Exploit the Untapped Potentials of Mushrooms. Kerala Karshakan e-journal.16p
8. Krishnapriya, P. J and Umamaheswaran, K. May2016. Antiviral principles from plants. Kerala Karshakan e-journal. 28p.
9. Pintu Roy Vattakunnel, Harikrishnan P. J, Soniya N.S, and Krishnapriya P.J. May 2016. Cultivating rice saving water. 39p.
10. Harikrishnan P.J, Soniya N.S, Sainathnagula, Pintu Roy Vattakunnel and Krishnapriya P.J. Rice murals. April 2016. 34p.
11. Krishnapriya. P.J and Geetha. D. February 2017. Snow white mushroom *Pleurotus opuntiae*. 46 p.
12. Krishnapriya. P.J and Geetha. D. July 2017. *Pleurotus cystidiosus*: The Giant oyster mushroom: The Revolutionary Saga from Idukki
13. Sherin A Salam, Krishnapriya P. J and N.V. Radhakrishnan. Tengintte pradhana rongalum niyanthrana margangalum. Kalpadhenu. Jan-March 2024. 18-22 pages.

Extension activities

Trainings/Classes handled:

- Took a training session on ‘Vegetable farming’ as part of 100 days programme of Kerala Govt, at Andoorakonam krishibhavan on 4-6-2022.
- Took a session on mushroom production as part of ‘Training on Apiculture and Mushroom Production technology to empower youth or women groups of Alappuzha, Kollam and Pathanamthitta districts’ at ORARS, Kayamkulam on 18-1-2023.
- Took a training on mushroom cultivation to farmers as part of RAWI Village stay programme of 2019 batch on 4-1-2023 at Alapuzha.
- Took a training class to farmers on ‘mushroom cultivation’ as part of ‘Millets and Mushrooms for healthy living’ organized by TSS, Extension Department on 29-3-2023.

Radio talks/FIB live :

1. Delivered a radio talk on ‘sheethakala pachakkarikrishi rogoniyanthranavum

munkaruthalukalum’ in Vayalum veedum programme at Akashvani, Trivandrum broadcasted on 25-9-2023.

2. A radio live phone-in programme on ‘pachakkari vilakalile venalkala rogangalum niyanthrana marggangalum’ in Vayalum veedum programme at Akashvani broadcasted on 30-3-2023.
3. A radio talk on ‘Venalkalathe sasya rogangalum niyanthrana marggangalum’ in Vayalum veedum programme at Akashvani broadcasted on 23-1-2023.

TV program

Resource person in live TV programme titled Krishidarshan on 11.04.2025 on the subject ‘koon krishi – aarogyathinum aadayatninum’ at Doordarshan kendra, Tvpm

Trainings/courses attended:

1. Online 171 st Induction Programme from 6/9/2021 to 5/10/2021 organised by UGC HRDC-Kerala University.
2. MOOC on ‘Digital Assessment and Evaluation Methodologies’ organised by NAARM, from 1-9-2022 to 30-9-2022.
3. Attended an Online Training Programme on ‘Mushroom Cultivation’ from 23/8/2021 to 27/8/2021 organised by ICAR-Directorate of Mushroom Research, Solan, HP.
4. Online Foundation Course on Research, Education and Extension Management From 02/08/2021 to 10/08/2021 organised by Director of Extension, KAU.
5. Fifteen days International Training cum Workshop Programme ‘Agriculture 4.0: The future of Farming Technology and Agripreneurship development’ organised by SKUAST and AEEWS and Just Agriculture approved by ICAR/NAHEP from 10-11-2022 to 24-11-2022.
6. Attended 8 days NEP 2020 Orientation and sensitization training programme from 17.03.2025-27.03.2025 conducted by UGC-Malaviya Mission Teacher Training Centre (MMTTC), University of Kerala.
7. Attended workshop on AI for research and pedagogical excellence organized by Department of Agricultural Extension Education, CoA Vellayani in collaboration with the Directorate of Extension, KAU.

Seminars/ Symposium/Workshops/Conferences attended

- Attended a National Symposium on Plant Health Management: Current Trends and Novel Mitigation Strategies from 11th -12th September, 2023 at Central Tuber Crops Research Institute organized by Indian Phyto pathological Society (Southern Zone Chapter) ICAR.

- Attended a Workshop on Virus Indexing in Horticultural Crops. 2, 3 March 2023. Organised by Regional Agricultural Research Station (South Zone).
- Attended a National workshop on Taxonomy, identification and conservation of Mushrooms from 18/10/22 to 21/10/22 organized by KSCSTE-JNTBGRI in association with Kerala State Biodiversity Board.
- Attended International Virtual conference on ‘Recent Advances in Crop disease Management’ on 19/9/2021 at Department of Plant Pathology-Annamalai University
- Attended an International virtual conference on ‘Nanotechnology applications in plant disease management’ on 19/9/2021 at Department of Plant Pathology, Annamalai University.

Other Institutional Responsibilities

Membership in Professional Associations

- Life time membership in Asian PGPR Society of Sustainable Agriculture.
- Life Member of the Indian Phytopathological Society.

Gen-bank deposits

1. Krishnapriya,P.J., Umamaheswaran,K., Gokulapalan,C., Giriya,V.K. and Jayalekshmi,V.G. 2016. Papaya ringspot virus isolate SR390-PAP coat protein gene, partial sequence. GenBank: KT825492.1.
2. GenBank: KY214254.1. Pleurotus cystidiosus strain abalonus internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
3. GenBank: KY214255.1. Pleurotus opuntiae isolate SR624-PO internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence
4. GenBank: KY214256.1. Pleurotus florida, isolate SR624-PF internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence
5. GenBank: KY214257.1. Pleurotus eous isolate SR624-PE internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and 28S ribosomal RNA gene, partial sequence

6. GenBank: KY744346.1. *Macrocybe gigantea* isolate Kerala-Mg internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene and internal transcribed spacer 2, complete sequence; and large subunit ribosomal RNA gene, partial sequence
7. GenBank: KY887023.1 *Pleurotus cystidiosus* subsp. *cystidiosus* isolate. Kerala-Mg internal transcribed spacer 1, partial sequence; 5.8S ribosomal RNA gene, complete sequence; and internal transcribed spacer 2, partial sequence
8. Bean common mosaic virus- from cowpea
9. PRSV Type W-from snake gourd of Kerala
10. CMV-from Snake gourd of Kerala