

CURRICULUM VITAE

Dr. Jag Pal

Subject matter Specialist (Fisheries)

Krishi Vigyan Kendra, Sukhet, Madhubani

Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar

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PERSONAL DETAILS

Father's Name : Shri. Ram Lakhan
Mothers Name : Late Maika Devi
Date of Birth : 01th May 1990
Marital Status : Married
Languages : Hindi and English
Address : S/o Mr. Ram Lakhan, Village & Post -Pure Kamgar
Ayodhya, Uttar Pradesh, India
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EDUCATIONAL QUALIFICATIONS

- **Ph.D. in Fish Processing Technology** from Karnataka Veterinary, Animal and Fisheries Sciences University, College of Fisheries, Mangalore, Karnataka. (8.25/10) in 2018.
- **Master of Fisheries Science, M.F.Sc. in Fish Processing Technology** from Central Agriculture University College of fisheries Tripura (7.780/10) in year 2013
- **Bachelor of Fisheries Science, B.F.Sc.** from Narendra Deva University of Agriculture and Technology, College of Fisheries, Kumarganj, Ayodhya, U.P. (7.463/10) in year 2011.
- **Intermediate** in Physics, Chemistry, Biology. from SRJIC, Patranga, Faizabad Uttar Pradesh with First Division (61.80%) in year 2007.
- **High-School** in Science from SRJIC, Patranga, Ayodhya, Uttar Pradesh with First Division (52.16%) in year 2005.

NATIONAL ELIGIBILITY TEST (NET)

- Qualified Indian Council of Agriculture Research (ICAR) National Eligibility Test (NET) Examination during the year 2015 with scoring 62 percent.
- Qualified Indian Council of Agriculture Research (ICAR) National Eligibility Test (NET) Examination during the year 2014 with scoring 54 percent.

EXPERIENCE

- Presently working as the subject Matter Specialist at Krishi Vigyan Kendra Madhopur, West Champaran, Dr. Rajendra Prasad Central Agricultural University Pusa Bihar Since 7 June 2022 to till date.
- Worked as a Assistant professor cum Junior scientist on contract basis 7 December 2018 to 06 June 2022 in the College of Fisheries Science Gumla, Birsa Agricultural University of Agriculture University Kanke Ranchi
- Worked as guest teacher to in the College of Fisheries NDUAT Kumarganj Faizabad Uttar Pradesh 22 August 2016 to 5 December, 2018

THESIS/DISSERTATION

Ph.D. Thesis Title

Effect of orange and pomegranate peel extracts on the storage stability of fish paste product " Thesis submitted to College of fisheries Mangalore KVAFSU, Bidar Karnataka

Master's Thesis Title (M.F.Sc.)

Biochemical and storage characteristics of farm raised and wild Indian butter catfish (*Ompok bimaculatus*, Bloch 1794) in Tripura, India M.F.Sc. Thesis submitted to College of fisheries CAU, Imphal

AWARD

- I was awarded Rajeev Gandhi National Fellowship from University Grants Commission of India (UGC) in the year 2014
- Awarded Best Poster Presentation award in International Conference on Emerging Issues in Quality and Safety of Fish and Shellfish (EIQASFISH'16) 11–12 August 2016 conducted by Tamil Nadu Fisheries University, Tuticorin in Anna University, Chennai.
- Young Scientist Award by Green Agri Professional Society in the year 2019
- Extension scientist award-2022 in National Seminar on "Ecology vs. Economic development with Special reference to the Ganga Basin (NEED-2023) on 25-26th February 2023 at

Nehru Gram Bharti (DU), Prayagraj (U.P)by Kalash Research and Welfare Society (Reg. No. AL-33004)

TV TALK AND RADIO TALK

- TV talk on Fish Stocking Kai say kare- by Dr. Jag Pal on 21/08/2022 Annadata programme on News 18 Bihar Jharkhand
- Radio talk on Role of agricultural machineries- by Dr.Anjali Sudhakar dt. 22/06/2022
- TV talk on Bio-floc Fish Farming on Annadata programme on News 18 Bihar Jharkhand 16/10/2022
- TV talk on Poultry winter Management 18 Bihar Jharkhand 21/11/2022
- TV talk on Animal disease management during winter session 18 Bihar Jharkhand 23/01/2023

Membership of The Societies

1. Life time Membership of India North East Societies of Fisheries Science
2. Life time Membership Societies of fisheries and life Sciences
3. Annual membership of of Krishi Kumbh Hindi Agricultural E-Magazine, Pilibhit (U.P.).

PUBLICATION

Research Papers

1. **Jag Pal** and A.U. Muzaddadi (2015). Quality Characterization of market available Indian Butter Catfish (*Ompok bimaculatus*) in Tripura India. Ecology Environment and Conservation, 21(2):227-231
2. **Jag Pal**, C.V. Raju, G. Pandey, H.H. Tripathi and L. Prasad: Effect of pomegranate and orange peel extracts on the quality of fish ham under frozen storage. Journal of Environmental Biology, 43, 197-204 (2022)
3. **Jag Pal**, Gayatri Pandey, Laxmi Prasad & CV Raju 2021 Preparation of Fish Ham Using Low Value Fish by mixing Red Meat of Tuna Chunks and its Quality Attributes AMA, Agricultural Mechanization in Asia, Africa and Latin America 51:3
4. **Jag Pal**, C. V. Raju, I. P. Lakshmisha, Gayatri Pandey, Rehana Raj and Rajkumar Ratankumar Singh (2017). Antioxidant Activity of Pomegranate Peel Extract and Its Effect on Storage Stability of Cooked Meat Model System of Indian Mackerel (*Rastrelliger kanagurta*) Stored at 4±2°C. Biochemical and Cellular Archives, 17(1):183-187
5. Hari Om Verma, **Jag Pal**, Jitendra Kumar and Narendra Verma (2015). Preliminary Study on Socio-Economic Status of Fish Vendors and Market Performance of Whole Sell Fish Market of

- District Gorakhpur (Uttar Pradesh). International Journal of Agricultural and Statistics Sciences, 11:1,161-166,
6. Shweta Kumari, Om Pravesh Kumar Ravi, **Jag Pal** and A. K. Singh (2023) Level of Satisfaction among Farmers Towards University's Kisan Mela Asian Journal of Agricultural Extension, Economics & Sociology 41 :10, 863-870
 7. A.D. Upadhyay **Jag Pal** and Piyashi Deb Roy (2016). Structural performance of fish market and socio-economic status of market functionaries of Naveen Machhali Mandi Mahanva of Gorakhpur, Uttar Pradesh. Economic Affairs. 61(3): 511-518
 8. Hari Om Verma, Sagar C. Mandal and **Jag Pal** (2015). Effect of different feeds on the growth, survival and reproductive performance of live bearer black molly (*Poecilia sphenops*). Journal experimental zoology of India, 18(2) 615-618
 9. Rajkumar Ratankumar Singh, C. V. Raju, I. P. Lakshmisha, Faisal Rashid Sofi, **Jag Pal** and Aylwin Cherian (2016). Analysis of In-vitro Antioxidant Activities of Crude Potato Peel and Ginger Extract. National Journal of Life Science,13(1):65-70
 10. **Jag Pal**, CV Raju, Lakshmisha IP, Arun Kumar Prakash, Gayatri Pandey, Rajkumar Ratan Kumar Singh, Sarojini A and Amitha (2017). Comparatives study of antioxidant activity and total phenolic contents of pomegranate and orange peels extracts. Journal of Pharmacognosy and Phytochemistry, 6(6):1359-1362
 11. **Jag Pal**, CV Raju, BN Shukla, Hari Om Verma, Gayatri Pandey, Ashish Kumar Maurya and Laxmi Prasad (2018). In-vitro antioxidant activity of freeze-dried extracts fruit peels waste (*Punica granatum* and *Citrus sinensis*) and its effect in α -linoleic acid model system. International Journal of Chemical Studies 6(2):892-895
 12. **Jag Pal**, C.V. Raju, Gayatri Pandey, Amitha, and B. N. Shukla (2018). Antimicrobial activity of pomegranate and orange peels extracts against selected food borne pathogens. The Pharma Innovation Journal, 7(4):176- 178
 13. **Jag Pal**, A.U. Muzaddadi and Hemant Hari Tripathi. 2019. Biochemical and Histological Change during Chilled Storage in Farmed Raised and Wild Indian Butter Catfish (*Ompok bimaculatus* Bloch, 1794).Int .J. Curr. Microbiol. App. Sci. 8(3): 1410-1422. doi:https://doi.org/10.20546/ijcmas.2019.803.165
 14. Gayatri Pandey, CV Raju, Jag Pal, Shobha Rawat, Mahesh Chand Sonwal and Hanuman Prasad Pandey (2017). Comparative study of changes in the quality attributes of Indian mackerel (*Rastrelliger kanagurta*) and pink perch (*Nemipterus japonicus*) stored in solar operated refrigerated fish vending unit. Journal of Entomology and Zoology Studies, 5(6):616-619

15. Narendra Kumar Verma, **Jag Pal**, Hariom Verma, Maurya, S.K. Upadhyay, A.D., Roy, A. K. Sanjeev Kumar (2016). Assessment of Reservoir Fisheries Resources of Uttar Pradesh. International journal of science and nature, 7(3):685-689
16. Gayatri Pandey, CV Raju, Jag Pal and Hanuman Prasad Pandey (2018). Effect of super chilling on the proximate composition of Indian Mackerel (*Rastrelliger kanagurta*) stored in solar operated refrigerated fish vending unit. Journal of Entomology and Zoology Studies.6(1):303-306
17. **Jag Pal**, Hari Om Verma and Armaan Ullah Muzaddadi (2017). Comparative study of seasonal variation in proximate composition and nutritional quality of farmed and wild Indian butter catfish (*Ompok bimaculatus*) in Tripura India. Journal of Entomology and Zoology Studies, 5(5):787-790
18. Gayatri Pandey, CV Raju, **Jag Pal** and Hanuman Prasad Pandey (2018). Changes in the proximate composition of pink perch during super chilling in solar operated refrigerated fish vending unit and its importance in human health. Journal of Pharmacognosy and Photochemistry, 7(1):941-945
19. Amitha, CV Raju, IP Lakshmisha, **Jag Pal** and Rajkumar Ratankumar Singh (2018). Physicochemical, microbial and sensory changes in iced Threadfin bream (*Nemipterus japonicus*) stored in indigenously developed fish vending and display unit. International Journal of Chemical Studies,6(2):271-275
20. Ashish Kumar Maurya, KV Radhakrishnan, Priyanka Sahu, Laxmi Prasad, **Jag Pal** and BN Shukla (2018). Length weight relationship and condition factor of *Mystus bleekeri* (Day, 1877) in Rudrasagar Lake, a Ramsar site in Tripura. Journal of Entomology and Zoology Studies 6(2): 2500-2503

POPULAR ARTICLES

1. **Jag Pal** Hari Om Verma, Jitendra Kumar, Deepayan Roy, and Jyoti Sharma (2014). Pharmaceutical Importance of fish oil for human health and its industrial application. *Biotech Express*, 1(11): 18-22.
2. **Jag Pal** Raj, R., Jitendra Kumar, Verma, H.O., Singh, R.R.K., and Tripathi, H.H. (2014). Food borne illness outbreaks associated with consumption of seafood. *Life Sciences Leaflets*, 51:4-9.
3. Jitendra Kumar, Vijay Kumar M.E., K.B. Rajanna, Mahesh, V., Naik A.S.K., Asheesh K. Pandey, N. Manjappa, **Jag Pal** (2014) Ecological benefits of Mangrove. *Life Sciences Leaflets*,48:85-88

- 4 Roy D., Majumdar R.K., Dhar B. and **Jag Pal** (2014) Nutritional quality and technological aspects of production of 'Shidal' -A popular fermented fish product of North east India. *Biotech Express*, 1(12):22-24.
- 5 Gayatri Pandey, D. Sukumar, **Jag Pal**, Chandan K, Shobha Rawat and Venugopal. R 2020 Bioactive Peptides in Fish Aqua International
- 6 Gayatri Pandey, D. Sukumar, S. Balasundari, **Jag Pal**, Halesh. K, K. Masilan, Ande Deepthi, K. Thriveni, Venugopal. R and Shobha Rawat 2020 Colour evaluation techniques in fish Aqua Spectrum
7. Jag Pal, Sangeeta Kumar and Om Pravesh Kumar Ravi and Gayatri Pandey, 2020 Diversity in parental care behavior of fishes
8. Gayatri Pandey and **Jag Pal** (2021) Global Maritime Distress Safety system for ship target detection Just Agriculture
9. Hari Om Verma and **Jag Pal** (2014) Production of Single Cell Protein from Spirulina and its Importance in larval Nutrition of Fish BIOTECH EXPRESS
10. Parbhat Suman, **Jag Pal**, Om Parvesh Ravi and A.K. Singh (2022) Machliyo kay Parsanskrit Uatpado key Sanchipt Kirshi Khumb 2:5 41-45

ABSTRACTS

1. **Jag Pal**, Muzaddadi, A.U., Majumdar, R.K., C.V. Raju, Rehana Raj, Jitendra Kumar (2014). Study of proximate composition in cultured and wild Indian butter catfish in Tripura, India, *In: National Conference on Strategies for Bridging the Yield Gap in Fisheries and Aquaculture* (24-25, March 2014) organized by PFGF at College of Fisheries, Mangalore. 48:112
2. **Jag pal**, A. D. Upadhyay and Piyashi Deb Roy (2014) Structural performance of fish market and socio-economic status of market functionaries of Naveen machli mandi mahanva of Gorakhpur, Uttar Pradesh
3. **Jitendra Kumar**, Jyoti Sharma, Neeraj Pathak, **Jag Pal**, Archit Shukla, Varun Mishra, B.N. Shukla, Asheesh K. Panday (2014). Empowerment status and Constraints in Transfer of Technology in Fisheries in Uttar Pradesh, *In: National conference on Strategies for Bridging the Yield Gap in Fisheries and Aquaculture* (24-25, March 2014) organized by PFGF at College of Fisheries, Mangalore. 58: 122.

- 4 **Jag Pal**, Muzaddadi, A.U., Majumdar, R.K (2016) Biochemical and Histological changes in during Chilled storage in Form raised and wild Indian butter cat fish, In *National Seminar on “Fisheries and Aquaculture: Livelihood security, Sustainability and Conservation* (21-22 January) organized by College of Fisheries, CAU (I), Lembucherra, Tripura. P: 111

BOOK PUBLISHED

1. **Jag Pal** & Laxmi Prasad (2023) Simple Laboratory Techniques For Fish Biochemistry And Microbiology Analysis BFSC publication ISBN: 9789356329607 **Page No.** (163)
2. **Jag Pal** Gayatri Pandey, Armaan U. Muzaddadi (2020), Low-Cost Preservation of Indian Butter Catfish LAP LAMBERT Academic Publishing ISBN-13: 978-6200586698 **Page No.** (112,)

BOOK CHAPTERS

1. Hemant Hari Tripathi and **Jag Pal** (2014) Mizoram in Fisheries Resource and Production Statistics of NE states of India: An Analytical Value-Added Presentation (eds. AK Roy and AD Upadhyay)
2. **Jag Pal**, B.N. Shukla, Ashish Kumar Maurya, Gayatri Pandey and Laxmi Prasad (2018). Extension of Shelf-Life of Seafood using Natural Herbs and Spices in Research Trends in Food Technology and Nutrition (eds. Dr. Deepa Verma) 2:59-74
3. **Jag Pal** and Jitendra kumar (2018) Fish and human nutrition in Recent technology for food Security and rural Development (eds. Kailash Chandra et al.) 56-62
4. **Jag Pal** & Gayatri Pandey (2019) Utilization of fish waste for production of fish fertilizer and its application in Agricultural the Print saloon 12 Pages
5. Gayatri Pandey, D Sukumar, S. Balasundari, **Jag Pal** and Chandan Kumar 2019 Product Development from fishery waste The Print saloon 11 Pages
6. BN shukla, **Jag Pal** and AK Mauriya . Satellite Farming of Fish. in Research Trends in Fisheries Aquatic Sciences (eds. Shyam Narayan Labh)1:01-09
7. **Jag Pal**, Om Pravesh Kumar Ravi, Sangeeta Kumari and Akhilesh Kumar Singh (2021) Preservation of Seafoods by Hurdle Technology Intech Open Total 12 pages
8. Gayatri Pandey, **Jag Pal** and Neeraj Pathak (2021) Fish Meal A Nutritional and quality Aspects Narendra Publishing House New Delhi
9. Gayatri Pandey, C.V. Raju and **Jag Pal** 2021 Gas Chromatography: Instrumentation and its Application in Seafood Narendra Publishing House New Delhi

10. Om Pravesh Kumar Ravi, Shweta Kumari, **Jag Pal** and A.K. Singh" Lakes: Their Origin and Diversity "Advances in Fisheries and Aquatic Sciences Volume – 3 " Ref. No: AFAS-03-05

MANUAL

1. **Jag Pal** Gayatri Pandey, Armaan U. Muzaddadi (2020), Low-Cost Preservation of Indian Butter Catfish LAP LAMBERT Academic Publishing ISBN-13: 978-6200586698 Page No. (112,)
2. **Jag Pal** (2021) Practical Manual on Fish Canning Technology FPT 41 Published by College of Fisheries Science Birsa Agricultural University Ranchi Pages 64
3. **Jag Pal** (2018) A practical Note Book of Fishing Gear Technology College of Fisheries Science Birsa Agricultural University Ranchi Pages 59
4. Hari Om Verma **Jag Pal** and Satyendra Kumar Maurya (2013) In- Depth statistical analysis resources utilization particularly reservoirs of Uttar Dean College of Fisheries Tripura Pradesh Pages- 103

Extra Circulares activity

- Participated and organized international yoga day by KVK Jale Darbhanga on 21/06/2022
- Member to organize awareness programme on “Balanced use of fertilizer” on 21/06/2022
- Member of organizing committee of a programme organized to celebrate “ICAR foundation day” by KVK, Jale on 16/07/2022.
- Organized world fisheries days on 21/11/2022 by KVK Jale Darbhanga
- Organized one day training Program on Peral farming 25/07/2022
- Member and Participated in Har Ghar Ghar May Tringa by KVK Jale 13/08/2022
- Participated and organized PMFE training and awareness programme on 23/08/2022 by KVK Jale Darbhanga in collaboration with NIFTEM
- Member of organizing committee one day training program of on mushroom production and its value addition by KVK Jale Darbhanga on 17/9/2022
- Member to organize Poshanabhiyan and plantation programme on 17/09/2022.
- Participated in OFT Finalization workshop Sponsored by ICAR-ATARI (Zone-IV) at Directorate of extension Education DRPCAUPusa, on 26/08/2022
- Participated in OFT Finalization workshop dated 27-28 September 2022 organized by BVC,
- Member of organizing committee one day awareness program and distribution of planting material on the occasion of poshan abhiyan by KVK Jale Darbhanga 17/9/2022

- Participated and Member of organizing committee one day Kisan Sammelan by KVK Jale Darbhanga on 17/9/2022
- Participated and delivered the lecture kisan Mela at Darbhanga organized by ATMA 18/11/2022
- Participated and Organized constitution day on 26/11/2022 by KVK Jale Darbhanga
- Participated in Natural Farming Awareness Program at Jalwara Village
- Member of organizing committee to organized live telecast programme of Hon'ble P.M on "International year of millets: millets an opportunity for natural farming" on 18/03/2023.
- Participated in the Capacity Development Programme on "Natural Farming" organized by DEE, RPCAU, Pusa, Samastipur, Bihar from 25-27 March 2023.

COMPUTER SKILLS

- Knowledge of MS Office (Word, Excel, Power Point)
- Course on Computer Concepts (CCC)
- R- Programming
- Statistical Software's (SPSS 21.0)

DECLARATION

I hereby declare that all the information furnished here are complete and correct to the best of my knowledge and belief.

Place: Ayodhya

Date:

(Jag Pal)