
CURRICULUM VITAE

DR OSHIN DHILLON

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Date of Birth: 4th July 1992

Career Objective

Seeking a challenging and growth-oriented profession with committed and dedicated people, which will help me to explore myself fully and realize my potential. Also, to work in pragmatic way in an organization and can show my talent and enhance my skills to meet company goals and objective with full integrity and zest.

Education

Doctorate	Ph. D. Zoology awarded from Kurukshetra University, Kurukshetra in April 2019
CSIR NET	CSIR UGC JRF (Life Sciences) cleared in December 2017
Post-Graduation	M. Sc. Zoology Honors from Panjab University, Chandigarh with 72.65%
Graduation	B. Sc. Biotechnology from Kurukshetra University, Kurukshetra with 78.4%
XII th	CBSE with 73.4% passing rate
X th	CBSE with 85.2% passing rate

M.Sc. Disseration

A study on morphometry and length-weight relationship of *Notopterus notopterus* (Pallas) and *Chitala chitala* (Hamilton-Buchanan) from the Harike Wetland, Punjab, India

Ph.D. Thesis

Evaluation of Dietary Protein Requirements and Role of Intestinal Probiotic Bacteria for Growth Promotion in *Labeo calbasu* (1822)

Guide: Dr Anita Bhatnagar

Institute/Organization/University: Kurukshetra University, Kurukshetra

Year of Award: 2019

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Publications

- Bhatnagar, Anita, and **Dhillon, Oshin**. 2017. Evaluation of Optimum Protein Requirement and Cost-Effective Eco-friendly Source for *Labeo calbasu* (Hamilton, 1822). *Journal of Fisheries and Aquatic Science*, 12(6): 273-283. DOI: 10.3923/jfas.2017.273.283
 - Bhatnagar, Anita, Rajharia, Neelam and **Dhillon, Oshin**. 2017. Intestinal enzyme activities, Carcass biochemical composition and growth performance evaluation of *Cirrhinus mrigala* fed on heat processed soybean (*Glycine max*) supplemented diets. *Archives of Agriculture and Environmental Science*, 2(4): 264-269. DOI: 10.26832/24566632.2017.02040
 - Bhatnagar, Anita and **Dhillon, Oshin**. 2018. Evaluation of lysine and methionine supplemented duckweed (*Lemna minor*) based diet for *Labeo calbasu*. *Annals of Agricultural Research*, 39(3): 281-289.
 - Bhatnagar, Anita, Sushma and **Dhillon, Oshin**. 2018. Evaluation of dietary protein levels for the growing *Aorichthys aor* (Hamilton 1822). *International Journal of Zoology Studies*, 3(2):188-193. DOI: 318/3-2-41-535.pdf
 - Bhatnagar, Anita, Rajaharia, Neelam and **Dhillon, Oshin**. 2019 Optimization of calcium and phosphorus levels in the diet of *Cirrhinus mrigala* (Hamilton, 1822) fingerlings. *Indian Journal of Animal Nutrition*, 36(3): 315-324. DOI: 0.5958/2231-6744.2019.00048.3
 - Bhatnagar, Anita, and **Dhillon, Oshin**. 2019. Characterization, screening, and application of bacteria with probiotic adequacy isolated from the gut of *Labeo calbasu* (Hamilton, 1822). *Fisheries and Aquatic Life*, 27: 178-189. DOI: 10.2478/aopf-2019-0020
 - Bhatnagar, Anita, Sushma and **Dhillon, Oshin**. 2020. Role of probiotics in feeds for *Aorichthys aor* (Hamilton, 1822). *Journal of Aquatic Biology & Fisheries*, 8: 7-11.
 - Rawal, Yogesh Kumar, **Dhillon, Oshin**, and Sidhu, Inderpal Singh. 2020. Distinction of two featherback species (Osteoglossiformes: Notopteridae) in India based on scale structure. *Records of the Zoological Survey of India*, 120(3): 241-246.
 - **Dhillon, Oshin** and Bhatnagar, Anita. 2020. Gut colonization and permanence of the probiotics in *Labeo calbasu* (Hamilton, 1822). *Egyptian Journal of Aquatic Biology & Fisheries*, 24(7): 427-440.
 - Bhatnagar, Anita, Kaur, Manjeet, Yadav, Abhay Singh and **Dhillon, Oshin**. 2021. Paddy cum fish culture: Growth performance of *Channa punctatus*, paddy yield and Economics. *Journal of Applied and Natural Science*, 13(1): 145 – 156.
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- **Dhillon, Oshin** and Bhatnagar, Anita. 2021. An economic and eco-friendly approach towards developing a sustainable growth promoting aquafeed for *Labeo calbasu* (Hamilton 1822). *Proceedings of the Zoological Society*, 74: 155-162. DOI: 10.1007/s12595-020-00358-y

Work Experience

Organization: Akal University, Bathinda, Punjab

Profile: Assistant Professor

Tenure: Sept 2019 - Dec 2021

Job Responsibilities

- Teaching and supervising undergraduate and graduate students
- Assisting with various departmental duties and providing academic support to Professors and other staff.
- Conducting research and publishing papers in academic journals.
- Representing the university at conferences and delivering presentations when necessary.
- Providing demonstrations and supervising experiments and demonstrations.
- Attending faculty and departmental meetings and voicing concerns or providing suggestions for improvement.
- Active participation in outreach drives for admission purposes.

Professional Recognition/ Award

- Maulana Azad National Fellowship JRF from University Grants Commission during 2016-2019
- CSIR JRF from CSIR-UGC in 2017
- Young Scientist Award from Punjab Academy of Sciences in 2017
- GATE Life Sciences from IIT in 2018
- Best Paper Presentation Award from Department of Zoology, Kurukshetra University, Kurukshetra in 2018

Conferences/Seminars

- National Conference on "Translating Biodiversity Research into Deliverables for Human Welfare" held on March 19-20, 2015, organized by Department of Zoology, Centre of Advanced Studies (UGC), Panjab University, Chandigarh. (Poster Presentation)
 - National Conference ZOOCON-2016 on "Integrating Biodiversity for Rephrasing
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Therapeutics and Sustainability” held on November 17-18, 2016, organized by Department of Zoology, Panjab University, Chandigarh. (Poster Presentation)

- National Conference on “Evolving New Horizons of Zoological Sciences in Human Welfare” held on November 23-24, 2016, organized by Department of Zoology, Kurukshetra University, Kurukshetra. (Oral Presentation)
- UGC-SAP sponsored National Seminar on “Challenges in Sustainable Management of natural Resources” held on March 24-25, 2017, organized by Department of Zoology, Kurukshetra University, Kurukshetra. (Oral Presentation)
- International Conference in “Zoological Sciences” held on October 26-28, 2017, organized by Department of Zoology and Environmental Sciences, Punjabi University, Patiala. (Oral Presentation)
- 21st Punjab Science Congress on “Scientific Advances for Inclusive Development and Environmental Protection” held on February 7-9, 2018, organized by Punjab Agricultural University, Ludhiana (under the aegis of Punjab Academy of Sciences). (Oral Presentation)
- UGC-SAP and Indian Science Congress Association, Kurukshetra Chapter sponsored 30th All India Congress of Zoology and National Seminar on “Advances in Zoology for Sustainable Development” held on February 15-17, 2018, organized by Department of Zoology, Kurukshetra University, Kurukshetra. (Oral Presentation)
- National Seminar on “Environmental Changes and its Impact on Faunal Diversity in Indian Agro- ecosystems” held on November 19-20, 2018, organized by Department of Zoology, Punjab Agricultural University, Ludhiana and Zoological Survey of India, Kolkata.
- 106th Indian Science Congress held on January 3-7, 2019, at Lovely Professional University, Phagwara, Jalandhar. (Poster Presentation)
- Indian Science Congress, Regional Chapter, Punjabi University, Patiala Research Scholars’ Meet held on March 23, 2019, at Punjab Agricultural University, Ludhiana. (Oral Presentation)
- National Online Conference on “Post COVID Opportunities and Challenges in Zoological Sciences” held on June 29-30, 2020, organized by Department of Zoology, Kurukshetra University, Kurukshetra in collaboration with Corporate Resource Center (Under RUSA 2.0)

Training/Workshop/FDP

- SERB-DST sponsored Two-day Workshop on “Opportunities and Challenges for
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Women in STEM” held on January 24-25, 2018 organized by Women Faculty of science, Life Sciences, Engineering and Technology, Kurukshetra University, Kurukshetra.

- 20th Indo-US Flow Cytometry Workshop on “Single Cell Sorting” held on March 10-11, 2019, jointly organized and supported by Institute of Liver and Biliary Sciences (ILBS) Trust for Education and Training in Cytometry (TETC) Live Education Task Force (LETF) and International Society for Advancement of Cytometry (ISAC), New Delhi.
- Hands-on Training Program on “Recent Advances in Fish Nutrition” sponsored by Department of Biotechnology, Government of India held on March 15-17, 2019, organized by Aqua Research Lab, Department of Zoology, University of Delhi, Delhi.
- 5-day Faculty Development Program on Research Paper Writing using LaTeX (20 July – 24 July 2020)
- National Faculty Development Program on Advanced Research Methods and Quantitative Data Analysis using SPSS October 26th, 2020 (Monday) - November 1st, 2020 (Sunday) by Edge India Academy.
- Faculty Development Program on Advanced Excel with Data Visualization from 11 January to 16 January 2021 (1 week) by E & ICT Academy, IIT Kanpur

Technical Expertise

Experience in fish nutrition, proximate analysis, qualitative water analysis, immunohistochemistry, probiotics, morphometric study, length-weight relationship, Age and growth study; technical skills in microscopy, microbial culture, cell culture; training in cell sorting, flow cytometry, gene expression, macromolecule analysis, DNA/RNA isolation, gel electrophoresis, chromatography, MS Office, SPSS

Research Interest

Aquaculture, Aquaponics, Fish nutrition and health, Probiotics, Water quality

Professional References

- Dr. Anita Bhatnagar
Chairperson, Department of Zoology
Kurukshetra University, Kurukshetra Haryana (136119)
 - Prof. R. K. Sharma
Professor, Department of Zoology Dean, Life Sciences
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Kurukshetra University, Kurukshetra Haryana (136119)

- Dr. Y. K. Rawal
Assistant Professor
Department of Zoology
Panjab University, Chandigarh (160014)

I hereby certify that the above facts contain in my curriculum vitae are true and correct to the best of my knowledge.

DR OSHIN DHILLON
