Personal Biodata of Dr. Indrajit Kar

Dr. Indrajit Kar

Assistant Professor
Department of Avian Sciences
Faculty of Veterinary & Animal Sciences
West Bengal University of Animal and Fishery Sciences
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A. Educational Qualification:

Exam passed/Degree	Conferring Institution	Specialization	Year of passing
Ph.D	W.B University of Animal and Fishery Sciences	Veterinary. Pathology	2013
M.V.Sc	W.B University of Animal and Fishery Sciences	Veterinary. Pathology	2003
B.V.Sc & A.H	W.B University of Animal and Fishery Sciences	Veteinary Science and Animal Husbandry	2001

B. Research Area:

- Heavy metals in environments, Avian Pathology, Pathology, Probiotics, and Phytomedicinal plants, especially mint.

C. Work Experience:

- Dr. Kar was engaged in the control, prevention & eradication of livestock & poultry diseases by treatment or vaccination and extension of scientific animal husbandry practices for cattle & poultry or other livestock development (As a Veterinary Officer, BAHC, Lataguri, Jalpaiguri, West Bengal, From-2006-2010: 04 years).
- Act as Drawing and Disbursing Officer (As a Block Livestock Development Officer, Saltora Block, Bankura, West Bengal, From-2010-2016: 06 years), Perform the extension works, Train farmers & implement of Govt. Sponsored Schemes.
- Supervision of Farm Activities (In charge of State Livestock Farm, Saltora Block, Bankura, West Bengal, From-2010-2016: 06 years)
- Act as a Sero-epidemiologist of Eastern Regional Disease Diagnostic Laboratory, Supervision of Infectious Abortion Scheme Laboratory activity, Routine serological diagnosis of sexually transmitted diseases, Serve as a resource person for ASCAD training to the field Veterinarians (From-2016-2019: 03 years).
- Presently working as Assistant Professor, Department of Avian Sciences, West Bengal University of Animal and Fishery Sciences, Kolkata, since 29.11.2019.

D. Publications:

- Research Articles: 18 (International: 08, National-10)

- Book/Book chapter: 01
- General Articles**:** 03

E. Conference etc:

- Attended: 06
- Rapporteur: 02
- Organising member: 02

F. Fellowships / Award:

- National Scholarship by Govt. of West Bengal, India for Secondary Higher & Secondary Examination

G. Publication Details

International Publication: 8

1. Das, S., **Kar, I**., & Patra, A. K. (2023). Cadmium induced bioaccumulation, histopathology, gene regulation in fish and its amelioration–a review. *Journal of Trace Elements in Medicine and Biology*, 127202. https://doi.org/10.1016/j.jtemb.2023.127202
2. Mukherjee, A., Gali, J., **Kar, I**., Datta, S., Roy, M., Acharya, A. P., & Patra, A. K. (2023). Candidate genes and proteins regulating bull semen quality: a review. *Tropical Animal Health and Production*, *55*(3), 212. https://doi.org/10.1007/s11250-023-03617-0
3. Patra, A.K. & **Kar.I.** (2021) Heat stress on microbiota composition, barrier integrity, and nutrient transport in gut, production performance, and its amelioration in farm animals. *Journal of Animal Science and Technology* 63(2):211-247, 10.5187/jast.2021.e48
4. M.T. El-Saadony, M. Alagawany*, A.K. Patra, **Kar, I.**, R. Tiwari, M.A.O. Dawood, ,K. Dhama, H.M.R. Abdel-Latif (2021) The functionality of probiotics in aquaculture: An overview, Fish & Shellfish Immunology, 117; pp. 36-52 https://doi.org/10.1016/j.fsi.2021.07.007
5. Mukherjee, A., Verma, A., Gali J. M., **Kar, I**., Dey, D., Acharya, A.P., (2020) SELEX-Aptamer technology to combat diseases of animals: Recent advancement and future application: A Review., *Indian Journal of Animal Research.*57(5): 535-546
6. **Kar.I**., & Patra, A.K. (2020) Tissue Bioaccumulation and Toxicopathological Effects of Cadmium and Its Dietary Amelioration in Poultry—a Review. *Biological Trace Element Research* https://doi.org/10.1007/s12011-020-02503-2
7. **Kar, I**.; Mukhopadhayay, S.K.; Patra, A.K.; Pradhan, S. (2018) Bioaccumulation of selected heavy metals, histopathological and hematobiochemical alterations in backyard chickens reared in an industrial area, India. *Environ. Sci. Pollut. Res.* 25, 3905–3912. NASS impact factor: 10.22
8. **Kar, I**., Mukhopadhayay, S.K., Patra, A.K. & Pradhan, S.(2015). Metal concentrations and histopathological changes in goats (Capra hircus) reared near an industrial area of West Bengal, India. *Arch. Environ. Contam. Toxicol*. 69, 32-43. NASS impact factor: 8.8

National Publication: 10

1. Mukherjee A, **Kar I**, Patra AK. (2022) Lead toxicity in livestock and poultry: Illuminating the molecular pathomechanism, bioaccumulation and effective mitigation strategies. *Indian Journal of Animal Health*. 61(2):103-18. DOI: https://doi.org/10.36062/ijah.2022.spl.02322.
2. Das A, Guha C, Jana PS, Biswas U, **Kar I**, Rana T. (2022) Biomarker of clinical diagnosis and therapeutic management of subclinical mastitis in cow. *Exploratory Animal and Medical Research*. 12(2):235-245. DOI : 10.52635/eamr/12.2.235-245.
3. P. Biswas, S. Biswas1, M. C. Pakhira, **I. Kar** and H. K. Maity (2021) Multidrug resistant acute mastitis in a doe: A field report. Indian J Anim. Hlth (2021), 60(1) : 103-105. DOI:10.36062/ijah.60.1.2021.103-105
4. Biswas, P., Sharma R.K., Biswas. A, & **Kar. I** (2020) Effect of Ashwagandha (Withania somnifera) and Vitamin C on Hematological Profile and Carcass Traits of Broiler Birds. *Int.J.Curr.Microbiol.App.Sci*.2020.9(10):783-791.
5. A. Mukherjee, **I. Kar**, S. Das, A. P. Acharya, H. K. Maity, P. Biswas and S. Biswas. (2021) In silico analysis of bovine Glutathione-S-transferase M1 (GSTM1), an essential gene governing bull semen quality. Indian J. Anim. Hlth. 2021, DOI: https://doi.org/10.36062/ijah.2021.08321
6. S. Mondal , B. Roy , P. Biswas , T. Rana , **I. Kar** and S. Das (2021) Influence of dietary zinc and manganese chelate on productive and reproductive performance of layer chicken, Indian J Anim Health, DOI: https://doi.org/10.36062/ijah.2021.0522,
7. **Kar, I.,** Bhowmik, M.K, Ghosh, J.D.,Mukhopadhayay, S.K. and Datta, S. (2007) Prevalence and pathology of Monieziosis in goats of West Bengal. *Indian Journal of Veterinary Pathology.* **31 (2):** 183-184.
8. Mukhopadhayay, S.K., Niyogi, D., **Kar, I.,** Ganguly, S., and Paul, I (2010) Histopathological characterization of spontaneous mammary neoplasia in dogs in Kolkata. *Animal Science Reporter*. **4(4):** 143-147
9. Dandapat, D.K., Mukhopadhayay, S.K., **Kar, I.,** Ganguly, S., Dhanalakshmi, S. (2012) Disease of pigeon in and around Kolkata. *Journal of Parasitic Diseases.* **36 (1):** 99-100
10. Das D, Mukhopadhayay SK, Ganguly S, **Kar I**, Dhanalakshmi S, Singh YD, Singh KS, Ramesh S, Pal S. Mannan oligosaccharide and organic acid salts as dietary supplements for Japanese quail (Coturnix Coturnix Japonica). *Int. J. Livest. Res.* 2012;**2(3)**:211-4. http://www.scopemed.org/?mno=25585

H. Popular Articles:

Kar. I and Das.S, (2021) Using Probiotics in Aquaculture: Farming Fish for a Sustainable Future, The Earth and I, 4(1)

I. MEMBERSHIP:

- Life member of Indian Association of Veterinary Pathologists
- Life member of Association of Public Health Veterinarians
- Life member of Indian Society for Study of Animal Reproduction

- Member of American society for Microbiology
- Member of Society of Animal Physiologists of India.