

1. **Full name of the faculty member:** Dr. Paresh Nath Chatterjee
2. **Designation:** Associate Professor
3. **Specialisation:** Animal Nutrition
4. **Contact information:** Phone: (+91) 8777059702 e-mail ID: chatterjeenutrition@gmail.com
5. **Academic qualifications:**

College/ university from which the degree was obtained	Abbreviation of the degree
West Bengal University of Animal and Fishery Sciences	B.V.Sc. & A.H.
National Dairy Research Institute, Karnal	M.Sc. (Animal Nutrition)
Indian Veterinary Research Institute, Izatnagar	Ph.D (Animal Nutrition)

6. Positions held/ holding or Work Experience:

Positions held/ holding	Institution/ Affiliation	Duration
Research Associate	(AICRP on "Improvement of Feed Resources and Nutrient Utilization in Raising Animal Production", P.I. Dr. Kusumakar Sharma, ICAR-IVRI)	2005–2006
Veterinary Officer	ARD Dept., Govt. of West Bengal	2006–2011
Assistant Professor	Animal Nutrition, WBUAFS, Kol-37	2012 – 2019
Associate Professor	Fish Nutrition, WBUAFS, Kol-94	2020 – Till date

7. Awards:

Sl. No.	Honors/Awards	Conferring Institute / Organization	Year
1.	JAWAHARLAL NEHRU AWARD	Indian Council of Agricultural Research (ICAR) , Pusha, New Delhi	2006
2.	BEST YOUNG SCIENTIST AWARD	Indian Science Congress (DST-ISCA, Govt of India)	2009
3.	University BEST TEACHER AWARD	West Bengal University of Animal and Fishery Sciences, Kolkata-37	2019
3.	BEST STUDENT AWARD	Indian Veterinary Research Institute (IVRI), Izatnagar, U.P.	2005
4.	University Topper (ICAR-IVRI)	Indian Veterinary Research Institute (IVRI), Izatnagar, U.P.	2005
5.	N D KEHAR AWARD	Indian Veterinary Research Institute (IVRI), Izatnagar, U.P.	2006
6.	Best Teacher of the Faculty (Veterinary and Animal Sciences)	West Bengal University of Animal and Fishery Sciences, Kolkata-37	2019
7.	Best Presentation Award	Animal Nutrition Association (ANA) at Global Animal Nutrition Conference, ICAR-NIANP Bengaluru Chapter	2014
8.	Best Presentation Award	Animal Nutrition Society of India (ANSICON 2016) NDRI Chapter, Karnal	2016
9.	Best Presentation Award	Society of Domestic Animal Biodiversity (SOCDAB) of National Bureau of Animal Genetic Resources (NBAGR, Karnal)	2016
10.	Outstanding Paper Presentation Award	Dept. of Higher Education, Science & Technology and Biotechnology, Govt. of West Bengal	2017
11.	Best Presentation Award	Society of Domestic Animal Biodiversity (SOCDAB) of National Bureau of Animal Genetic Resources (NBAGR, Karnal)	2014
12.	Best Presentation Award	International Conference of Animal Nutrition Association of India (ANACON 18), BASU-Patna Chapter	2018
13.	Best Innovation Award	Patent Information Cell, Dept. of Science	2019

		<i>Technology and Biotechnology</i> , Govt. of West Bengal	
14.	Best Presentation Award	International Conference of Animal Nutrition Society of India (ANSICON 19) Kolkata Chapter	2019
15.	Best Presentation Award	International Symposium of Meat Science Association (IMSACON), Kolkata Chapter	2019
16.	Outstanding Paper Presentation Award	<i>Dept. of Science Technology and Biotechnology</i> , Govt. of West Bengal	2020
17.	Young Scientist Award	Indian Association for Advancement of Veterinary Research (IAAVR)	2018
18.	Best Paper Award	Biennial Conference of Animal Nutrition Association (ANACON 23), DUVASU, Mathura Chapter	2023

8. Other notable activities:

Research Projects:

No	Title of the research project	Period	Particulars
i.	Strategic inclusion of different varieties of nano-zinc particles for improved health and production of designer products	2019-2023	DBT, Govt of India (PI)
ii.	Strategic Dietary fortifications with synthesized nano-minerals for better Health and environment friendly poultry Production	2019-2024	DSTBT, Govt. of West Bengal (PI)
iii.	Efficacy Evaluation of 'Bytox Premium' on Production Performances of Indian Major Carps	2023-2025	Nexon Nutrition (PI)
iv.	Studies on Dietary Supplementation of 'Orezin' and 'Heprotech' on Production Performances of IMC	2025-Continuing	Nexon Nutrition (PI)
v.	Efficacy evaluation of some phytochemicals at improving feeding, growth, performances, gut modulation and immunity in <i>Labeo rohita</i>	2026-Continuing	Zenex Animal Health Pvt. Ltd. (PI)
vi.	To Study the Benefits of "CLOSTAT" in Commercial Broilers and to Compare the Benefits over Commonly Used Antibiotic Growth Promoters	2014-2015	Kemin Industries South East Asia (SEA) Pvt. Ltd., Bengal, (Co-PI)
vii.	Influence of Threonine on Mucin Biology for better Gut Health in Commercial Broiler Chicken'	2016-2018	Evonik Industries Singapore, (Co-PI)
viii.	Strategy for developing a safe and effective live vector based mucosal vaccine approach against Avian Influenza	2014-2017	DST, Govt. of India as Collaborator of IISER-Kolkata
ix.	To Study the Benefit of BUTYCIL in commercial broilers and to compare the benefits over commonly used Antibiotic Growth Promoters	2013-2014	West Bengal Chemical Industries Limited (Co-PI)
x.	Effect of GALLIPRO Supplemented Feed on Growth Performance of Broiler Chicken – A Challenge Study	2012-2013	Evonik Industries Singapore (Co-PI)
xi.	Molecular Characterization and Study of Disease Resistance Genes of Indigenous Sheep in West Bengal	2017-2020	DBT, Govt. of India (Co-PI)
xii.	Development of Gene Edited Chicken Resistant to Avian Influenza for Safe Human Health and Studying Chicken/Duck Model for Host resistance against Influenza in Human	2024-Continuing	DBT, Govt. of India (Co-PI)

9. Publication: Research articles : 55 Review articles : 08 Book Chapters : 04

GeneBank Accession Number : 16

Popular articles : 08

a. Journals (National & International): Selected 10 articles **with NAAS, IF rating**

- Mahato, A., **Chatterjee, P.N.**, Sarkar, S., Sen, A.R., Pal, A., Roy, S. and Patra, A.K. 2024. Effect of Chemically and Green Synthesized Nanoparticles on Shelf Life and Sensory Quality of Minced Fish (*Pangasius hypophthalmus*). **Foods**. 13, 2810. <https://doi.org/10.3390/foods13172810>
NAAS rating: 12.0, IF: 6.0

- ii. Tah, A., Pal, A., **Chatterjee PN**, De, D., Mahato, A., Chakraborty, A., Debnath, M, and Roy, S. 2025. Dietary supplementation with nano-zinc modulates the expression of the antiviral immune gene IRF3: a novel report. **Front. in Immunol.** 16:1583956.
<https://doi.org/10.3389/fimmu.2025.1583956>
NAAS rating: 13.0, IF: 7.0
- iii. Jayaraman, S., Das, P., Saini, P., Roy, B. and **Chatterjee, P. N.**2017. Use of Bacillus Subtilis PB6 as a potential antibiotic growth promoter replacement in improving performance of broiler birds. **Poultry Science.** 96:8, 2614-22.<https://doi.org/10.3382/ps/pex079>
NAAS rating: 10.5, IF: 4.5
- iv. Ghosh, S., **Chatterjee, P.N.**, Maity, A., Mukherjee, J., Batabyal, S. and Chatterjee, J.K. 2020.Effect of Supplementing Pomegranate peel infusion on body growth, feed efficiency, biochemical metabolites and antioxidant status of broiler chicken. **Tropical Animal Health and Production.** 52, 3899-3905. <https://doi.org/10.1007/s11250-020-02352-0>
NAAS rating: 8.0, IF: 2.0
- v. Pal, A., Mallick, A.I., Biswas, P. and **Chatterjee, P.N.**2020. Molecular Characterization of Bu-1 and TLR2 Gene in Haringhata Black Chicken. **Genomics**, 112:1, 472-83.
<https://doi.org/10.1016/j.ygeno.2019.03.010>
NAAS rating: 9.6, IF: 3.6
- vi. Pal, A., Pal, A., Banerjee, S., Batabyal, S. and **Chatterjee, P.N.**2019. Mutation in Cytochrome B gene causes debility and adverse effects on health of sheep. **Mitochondrion**, 46: 393-404.
<https://doi.org/10.1016/j.mito.2018.10.003>
NAAS rating: 11.7, IF: 5.7
- vii. Banerjee, S., Pal, A., Pal, A., Mandal, S.C., **Chatterjee, P.N.** and Chatterjee, J.K.2021. RIG-I Has a Role in Immunity against Haemonchus contortus, a Gastrointestinal Parasite in Ovis aries: A Novel Report.**Frontiers in Immunology**, 11:534705.
<https://doi.org/10.3389/fimmu.2020.534705>
NAAS rating: 13.0, IF: 7.0
- viii. **Chatterjee, P.N.**, Kamra, D.N., Agarwal, N. and Patra, A. 2014. Influence of Supplementation of Tropical Plant Feed Additives on in vitro Rumen Fermentation and Methanogenesis. **Animal Production Science**, 54:1770-74.
NAAS rating: 7.3, IF: 1.3
- ix. Paul, S.S., Mandal, A.B., **Chatterjee, P.N.**, Bhar, R. and Pathak, N.N.2007. Determination of nutrient requirements for growth and maintenance of growing pigs under tropical conditions. **Animal**.1: 269-82.
NAAS rating: 10.1, IF: 4.1
- x. Kamra, D.N., **Chatterjee, P.N.**, Patra, A.K., Kumar, R., Agarwal, N. and Chaudhary, L.C. 2008. Effect of plant extracts on methanogenesis and microbial profile of the rumen of buffalo: a brief overview. **Australian Journal of Experimental Agriculture.** 48(2), 175-178.
NAAS rating: 7.3, IF: 1.3

b. Popular Articles: 08

c. Books/ Books chapter: 04