FACULTY MEMBER ACADEMIC PROFILE

1. **Full name of the faculty member**: Prof. Ananta Kumar Das
2. **Designation**: Professor
3. **Specialisation**: Animal Genetics and Breeding: Cytogenetics, Molecular Genetics, Immunogenetics, Population Genetics, Biometrical Genetics, Lab Animal & Poultry Breeding
4. **Contact information**: Phone: +91-09051837398 e-mail ID: dasugenvet@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.
West Bengal University of Animal and Fishery Sciences	M.V.Sc.
ICAR-Indian Veterinary Research Institute	Ph.D.

6. **Positions held/ holding or Work Experience: Assistant Professor, Associate Professor, Professor & Head of the Department**
7. **Awards: ICAR-NET, UGC-Rajiv Gandhi National Fellowship Award for Pursuing Doctoral Program, Outstanding Scientist Award**
8. **Other notable activities:**
    - External Examiner, College/ University/ Board
    - Research Project Co Principal Investigator
    - PG & PhD Students' Dissertation Research Advisor
    - Students' Mentor & Member of Anti-ragging Squad, F/o-VAS
    - Member, Faculty Level Accreditation Team, F/o-VAS
    - Contributor to Inter-Institutional Research Activities
    - Visiting Teacher in Internship Training Program for B.V.Sc.&A.H.-final year students
    - Empanelled Reviewer of high impact journals: PLOS ONE (IF: 3.752), Animal Bioscience (IF: 2.8), Veterinary Research Communications (IF: 2.816), British Poultry Science (IF: 1.892), Tropical Animal Health and Production (IF: 1.893), Brazilian Journal of Veterinary Medicine (IF: 0.50), Indian Journal of Animal Sciences (IF: 0.32), etc.
    - Letter of Appreciation (recognition) from PLOS One (IF:3.75)
    - Life-time Member, Professional Society- ISAGB, SOCDAB, ISSAR, ISSGP&U
    - Joint Organizing Secretary, International Conference (ISAGBCON-2025) on "Precision Animal Breeding through Genomics, Artificial Intelligence and Machine Learning" and XIX Annual Convention of the Indian Society of Animal Genetics & Breeding, organized by the Department of Animal Genetics & Breeding, West Bengal University of Animal and Fishery Sciences, Kolkata- 700 037
    - Rapporteur in a technical session of ISAGBCON-2025 Kolkata
    - Chairman, Compendium Development & Publication, ISAGBCON- 2025 Kolkata
    - Organizing Committee Member:
        - Int. Symposium & 8th IMSACON at WBUAFS on 22-24 Nov 2018
        - 19th IVC & Annual Conference of IAAVR, organized at WBUAFS on 1-2 Feb 2019
        - ISEE National Seminar organized at WBUAFS on 5-7 Dec 2018
        - One-day Workshop under NIAB-outreach program at WBUAFS on 26-06-2018
        - Golden Jubilee NSS Day- 24th Sep 2018 at WBUAFS
    - Being Head of the Department, notably acts with the following responsibilities -
        - Chairman & Convenor, Board of Studies, Department of Animal Genetics & Breeding, F/o-VAS, WBUAFS
        - Member, Faculty Council, F/o-VAS, WBUAFS
        - Member, Academic Council, WBUAFS
        - Member, PG & PhD Admission Committee, F/o-VAS, WBUAFS

9. Publication:

Research Articles– 57 nos., Review/Popular Articles- 10 nos., NCBI Accession- 02, Research Abstracts in Compendium/Souvenir - 30 & News Letter- 03 nos.

- International Publications- 13 nos. & National- 44 nos.
- 1st author - 30 publications (>6.0 NAAS Score- 16 nos.)
- *Corresponding author- 16 nos.(>6.0 NAAS Score- 15 nos.)

a. Journals (National & International):

1. Debnath J, Debroy B, and Das AK* (2026). Genetic diversity of Tripureswari duck using microsatellite markers. *Ind. J. Anim. Sci.,* 96 (4): https://doi.org/10.56093/ijans.v96i4.167658. [NAAS: 6.32 & IF: 0.316]
2. Kokate LS, Kumar S, Das AK*, Rahim A and Debnath J (2024). Investigation of post-immunization immune response gene expression kinetics in lymphoid tissues of White Leghorn and Indian native chicken. *Ecol. Genet. Genom.*, 31 (June), doi: 10.1016/j.egg.2024.100251. [IF: 1.93]
3. Yadav R, Kumar S, Das AK*, Debnath J, and Rahim A (2024). Investigating growth associated genomic short tandem repeats (STRs) in a resource population generated through molecular breeding of RIR chicken. *Ecol. Genet. Genom.*, 31 (June), doi: 10.1016/j.egg.2024.100238. [IF: 1.93]
4. Debnath J, Debnath S, Sarkar D, Debroy B, Kumar M and Das AK* (2023). Genetic characterization of indigenous duck of Tripura state in India using microsatellite markers. *Trop. Anim. Health. Prod.,* 55 (3): 198; doi: 10.1007/s11250-023-03629-w. [NAAS: 7.893 &IF: 1.893]
5. Yadav R, Kumar S, Debnath J, Rahim A and Das AK* (2023). Investigating expression of IGF-1 candidate gene for growth-associated microsatellite genotypes in a resource population of RIR chicken. *Ind. J. Anim. Sci.,* 93 (5): 449-54. [NAAS: 6.32 & IF: 0.316]
6. Rahim A, Kumar S, Das AK*, Debnath J, Yadav R and Krishnan J (2023). Association of microsatellite genotypes with layer economic traits in a selected strain of Rhode Island Red chicken. *Ind. J. Anim. Sci.,* 93 (12): 1193-98. [NAAS: 6.32 & IF: 0.316]
7. Das AK, Kumar S, Rahim A, Debnath J and Kokate LS (2023). Comparative studies on feed efficiency and body conformation characteristics in RIR chicken and its crosses. *Ind. J. Anim. Sci.,* 93 (2): 187-93. [NAAS: 6.32 & IF: 0.316]
8. Yadav R, Kumar S, Verma MR, Rahim A, Debnath J and Das AK* (2023). Analysis of growth pattern of Rhode Island Red chicken using nonlinear models. *Ind. J. Anim. Health,* 62 (1): 74-81. [NAAS: 5.25]
9. Jagadeesan K, Kumar S, Rahim A, Yadav AS and Das AK* (2022). Investigating whether microsatellites could influence the relative expression level of TLR4 gene in bursa of Rhode Island Red chicken. *Ind. J. Anim. Sci*., 92 (8): 1020-23. [NAAS: 6.32 & IF: 0.316]
10. Das AK, Kumar S, Rahim A, Debnath J and Kokate LS (2021). Investigating genetic heterogeneity using microsatellite markers after long term selection for egg production in Rhode Island Red chicken. *Ind. J. Anim. Sci.,* 90 (10): 1387-91. [NAAS: 6.32 & IF: 0.316]
11. Debnath J, Kumar S, Das AK* and Rahim A (2021). Impact of microsatellite based selection on grower and layer economic traits in Rhode Island Red chicken. *Ind. J. Anim. Sci*., 90 (9): 1316-20. [NAAS: 6.32 & IF: 0.316]
12. Kumar B, Sahoo AK, Dayal S, Das AK*, Taraphder S, Batabyal S, Ray PK and Kumari R (2020). Investigating genetic variability in Hsp70 gene-5′-fragment and its association with thermotolerance in Murrah buffalo (*Bubalus bubalis*) under sub-tropical climate of India. *Cell Stress and Chaperones*, 25 (2): 317-326. *https://doi.org/10.1007/s12192-020-01075-3* [NAAS: 9.83 & IF: 3.827]
13. Kumar B, Sahoo AK, Dayal S, Das AK*, Taraphder S, Batabyal S, Ray PK and Kumari R (2019). Genetic profiling of Hsp70 gene in Murrah buffalo (*Bubalus bubalis*) under sub-tropical climate of India. *Cell Stress and Chaperones*, 24 (6): 1187-95. https://doi.org/10.1007/s12192-019-01042-7 [NAAS: 9.83 & IF: 3.827]
14. Kumar B, Sahoo AK, Ray PK, Chandran PC, Taraphder S, Das AK, Batabyal S and Dayal S (2019). Evaluation of environmental heat stress on physical and hormonal parameters in Murrah buffalo. *J. Anim. Health Prod.,* 7 (1): 21-24. http://dx.doi.org/10.17582/journal.jahp/2019/7.1.21.24 [NAAS: 5.62]
15. Debnath J, Kumar S, Das AK* and Rahim A (2019). Association of microsatellites with pre-housing body weights and age at sexual maturity of Rhode Island Red chicken. *Ind. J. Anim. Sci*., 89 (10): 1118-22. [NAAS: 6.32 & IF: 0.316]

16. Rahim A, Kumar S, Das AK*, Debnath J and Krishnan J (2019). Genetic analysis of immunocompetence and growth performances in a selected strain of Rhode Island Red chicken. *Ind. J. Anim. Sci.*, 89(8): 866-70. [NAAS: 6.32 & IF: 0.316]
17. Das AK, Kumar S, Rahim A and Kokate LS (2019). Genetic analysis of body weights in a selected line of Rhode Island Red grower chicken. *Ind. J. Anim. Sci.*, 89 (3): 310-13. [NAAS: 6.32 & IF: 0.316]
18. Rahim A, Kumar S, Das AK and Debnath J (2019). Influence of immunocompetence levels on layer economic traits in Rhode Island Red chicken. *Int. J. Livest. Res*., 9 (3): 320-24. [NAAS: 5.36]
19. Das AK, Ghosh N, Tudu NK, Roy A, Datta S, Ghosh CP and Mukherjee S (2019). A study on different dietary practices at farmers' field for raising layer chicks in deep litter brooding system. *Ind. J. Anim. Health*, 58 (1): 87-94. [NAAS: 5.25]
20. Soren S, Roy B, Biswas P, Gore JA and Das AK (2019). Impact of Nutrisigma® on performance of young Garole lambs. *Ind. J. Anim. Health*, 58 (2): 227-32. [NAAS: 5.25]
21. Roy M, Sarkar U, Datta S, Senapati PK, Bera S, Pakhira MC and Das AK (2018). Socio-economic studies of Bengal goat rearing in different agro-climatic zones of West Bengal. *Int. J. Pure Appl. Biosci*, *6*(1): 300-04. [NAAS: 4.74]
22. Rahim A, Kumar S, Debnath J, Yadav R, Das AK, Yadav AS (2017). Fold changes in relative mRNA expression of immune response genes in lymphoid tissues of Rhode Island Red chicken. *Ind. J. Anim. Sci.*, 87 (6): 772-74. [NAAS: 6.32 & IF: 0.316]
23. Kokate LS, Kumar S, Rahim A and Das AK* (2017). Kinetics of serum antibody response to Newcastle disease vaccine in Aseel, Kadaknath and White Leghorn chicken using ELISA. *Ind. J. Anim. Sci.*, 87 (2): 168-70. [NAAS: 6.32 & IF: 0.316]
24. Kokate LS, Kumar S, Rahim A and Das AK*(2017). Estimating serological immune response against Newcastle disease vaccine in Aseel, Kadaknath and White Leghorn chicken using haemagglutination inhibition test. *Ind. J. Anim. Sci.*, 87 (2): 136-38. [NAAS: 6.32 & IF: 0.316]
25. Kokate LS, Kumar S, Rahim A and Das AK* (2017). Investigating immunocompetence in Aseel, Kadaknath and White Leghorn chicken. *Ind. J. Anim. Sci.*, 87 (1): 35-38. [NAAS: 6.32 & IF: 0.316]
26. Das AK, Kumar S, Rahim A and Kokate LS (2017). Genetic and non-genetic parameters of grower and layer performances in CARI-Sonali chicken. *Ind. J. Anim. Sci.*, 87 (6): 786-89. [NAAS: 6.32 & IF: 0.316]
27. Das AK, Kumar S, Mishra AK, Rahim A and Kokate LS (2017). Characterizing grower performance, body conformation and morphology in crosses of RIR and Indian native chicken genotypes. *Ind. J. Anim. Sci.*, 87 (6): 782-85. [NAAS: 6.32 & IF: 0.316]
28. Das AK, Kumar S, Mishra AK, Rahim A and Kokate LS (2017). Genetics of body weights in a control line of Rhode Island Red grower chicken. *Ind. J. Anim. Sci.*, 87 (8): 1042-45. [NAAS: 6.32 & IF: 0.316]
29. Das AK, Kumar S, Rahim A and Kokate LS (2016). Association study between microsatellite genotypes and performances in Rhode Island Red chicken. *Ind. J. Anim. Sci.*, 86 (9): 1021-24. [NAAS: 6.32 & IF: 0.316]
30. Das AK, Kumar S, Mishra AK, Rahim A and Kokate LS (2016). Estimating genetic parameters of immunocompetent traits in Rhode Island Red chicken. *Ind. J. Anim. Sci.*, 86 (9): 1015-20. [NAAS: 6.32 & IF: 0.316]
31. Das AK, Kumar S, Mishra AK, Rahim A and Kokate LS (2016). Genetic parameters of some layer performance traits in a control line of Rhode Island Red chicken. *Ind. J. Poult. Sci.*, 51 (3): 249-52. [NAAS: 5.85]
32. Das AK, Kumar S, Rahim A and Mishra AK (2016). Characterization of production and reproduction performances in Rhode Island Red-white strain chicken. *Iran. J. Appl. Anim. Sci.*, 6 (3): 707-13. [IF: 0.85]
33. Das AK, Kumar S, Rahim A, Kokate LS and Mishra AK (2016). Assessment of body conformation and feed efficiency characteristics in CARI-Debendra crossbred grower chicken. *Ind. J. Anim. Sci.*, 86 (12): 1472-75. [NAAS: 6.32 & IF: 0.316]
34. Das AK, Kumar S and Rahim A (2016). Genetic analysis of layer performances in a selected line of Rhode Island Red chicken. *Ind. J. Anim. Sci.*, 86 (11): 1291-95. [NAAS: 6.32 & IF: 0.316]
35. Kausar H, Verma MR, Kumar S, Sharma VB, Das AK and Dilliwar L (2016). Modeling of Rhode Island Red chicken strains. *Ind. J. Anim. Sci.*, 86 (5): 612-15. [NAAS: 6.32 & IF: 0.316]
36. Das AK, Kumar S, Mishra AK, Rahim A and Kokate LS (2016). Evaluating body conformation and feed efficiency characteristics in CARI-Sonali grower chicken. *Ind. J. Anim. Sci.*, 86 (2): 192-96. [NAAS: 6.32 & IF: 0.316]
37. Das AK, Mukherjee S and Singh AK (2016). Assessment of improved brooding medium for increasing hatchability of eggs by *deshi* broody hens. *Ind. Res. J. Ext. Edu.*, 16 (1): 68-71. [NAAS: 5.22]

38. Das AK, Kumar S and Rahim A (2015). Estimating microsatellite based genetic diversity in Rhode Island Red chicken. *Iran. J. Vet. Res.*, 16 (3): 274-77. [NAAS: 7.89 & IF: 1.893]
39. Das AK, Kumar S and Rahim A (2015). Microsatellite analysis after long term selection for egg production in Rhode Island Red chicken. *Ind. J. Anim. Sci.,* 85 (11): 1220-24. [NAAS: 6.32 & IF: 0.316]
40. Das AK, Kumar S, Rahim A, Kokate LS and Mishra AK (2015). Association study of some immunological traits with layer performances in Rhode Island Red chicken lines. *Ind. J. Anim. Sci.,* 85 (7): 796-99. [NAAS: 6.32 & IF: 0.316]
41. Rahim A, Kumar S, Kokate LS and Das AK (2015). Sex differentiation in diversified poultry species by PCR based molecular method from blood. *Ind. J. Anim. Sci.,* 85 (7): 762-63. [NAAS: 6.32 & IF: 0.316]
42. Das AK, Kumar S and Rahim A (2015). Genetics of body conformation and feed efficiency characteristics in a control line of Rhode Island Red chicken. *Iran. J. Appl. Anim. Sci.*, 5 (4): 965-73. [IF: 0.85]
43. Das AK, Kumar S, Rahim A, Kokate LS and Mishra AK (2015). Genetic analysis of body conformation and feed efficiency characteristics in a selected line of Rhode Island Red chicken. *Asian J. Anim. Sci.*, 9 (6): 434-40. [NAAS: 4.29]
44. Rahim A, Kumar S, Das AK and Kokate LS (2014). Molecular sexing by targeting W-chromosome specific sequences in chicken. *Ind. J. Poult. Sci.*, 49 (1): 64-67. [NAAS: 5.85]
45. Rahim A, Kumar S, Kokate LS and Das AK (2014). Sex differentiation in duck by simple PCR method. *Ind. Vet. J.*, 91 (3): 61-63. [NAAS: 5.00]
46. Das AK, Kumar S, Rahim A, Kokate LS and Mishra AK (2014). Immunocompetence traits and their association with layer production traits in CARI-Sonali commercial layer chicken. *Ind. J. Poult. Sci.*, 49 (1): 56-58. [NAAS: 5.85]
47. Das AK, Kumar S, Rahim A, Kokate LS and Mishra AK (2014). Assessment of body conformation, feed efficiency and morphological characteristics in Rhode Island Red-white strain chicken. *Ind. J. Anim. Sci.,* 84 (9): 984-91. [NAAS: 6.32 & IF: 0.316]
48. Das AK, Kumar S, Rahim A, Kokate LS and Mishra AK (2014). Immunocompetence traits and their association with production traits in CARI-Debendra chicken. *Ind. J. Anim. Sci.,* 84 (5): 494-97. [NAAS: 6.32 & IF: 0.316]
49. Das AK, Kumar S, Rahim A and Mishra AK (2014). Genetic variability in immunocompetence and performance status of Rhode Island Red chicken strains and its crosses. *Int. J. Bio-resour. Stress Manag.*, 5 (2): 246-54.[NAAS: 5.11]
50. Rahim A, Kumar S, Sharma D, Kokate LS, Das AK, Singh J and Kataria MC (2012). Species and gender identification in diversified poultry species by PCR analysis of CHD gene. *Ind. J. Poult. Sci.*, 47(3): 281-86. [NAAS: 5.85]
51. Das AK, Paul RK, Dige M and Deb R (2009). Polypeptide profile of blood plasma and fluids from rete testes, epididymis and vas deferens of Garole sheep. *Ind. J. Small Rumin.*, 15 (1): 95-97. [NAAS: 5.95]
52. Das AK, Manna MK, Sahoo AK, Deb R and Paul RK (2008). Studies on reproductive traits of Bengal goats in a part of West Bengal. *Ind. J. Small Rumin.*, 14 (2): 259-61. [NAAS: 5.95]
53. Das AK, Sahoo AK, Misra SK, Batabyal S and Biswas S (2006). Breed effects on egg quality traits in Rhode Island Red, New Hampshire and Australorp chickens. *Ind. J. Anim. Health,* 45 (2): 159-63. [NAAS: 5.25]

b. Popular Articles:

1. Das AK and Deb R (2008). Biochemical Polymorphism and its relation with some traits of importance in poultry. *Vet. World*, 1 (7): 220-22. [NAAS: 5.71]
2. Dige MS, Kokate LS, Inamdar B and Das AK (2011). Real-time PCR: Concept and application in livestock. *Int. J. Bio-resour. Stress Manag.*, 2 (4): 460-63. [NAAS: 5.11]
3. Datta S, Mishra SP, Taraphder S, Roy M, Sarkar U and Das AK (2018). Application of transgenic animal production for enhancement of human welfare – A critical review. *Int. J. Livestock Res, 8* (2): 32-42. [NAAS: 5.36]
4. Ghosh CP, Datta S, Mandal D, Das AK, Roy DC, Roy A, Tudu NK (2019). Body condition scoring in goat: Impact and significance. *J. Entomol. Zool. Stud.*, 7 (2), 554-60. [NAAS: 5.53]
5. Das AK, Niang H, Sahoo AK, Kumar S and Das D (2019). Retrospect of breeding for genetic resistance to diseases in poultry and farm animals. *Ind. J. Anim. Health,* 58 (1): 21-44. [NAAS: 5.25]
6. Ghosh CP, Datta S, Das AK, Roy DC, Roy A, Tudu NK (2020). Sustainable broiler goat rearing: An overview. *J. Entomol. Zool. Stud.*, 8 (5): 423-426. [NAAS: 5.53]

c. Books/ Books chapter:

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