

# CURRICULUM VITAE

## DR. NONIGOPAL SHIT

B.V.Sc. &A.H., M.V.Sc., Ph.D., PGDAW (*Gold Medalist*)

Assistant Professor (Animal Science)

RRS(TZ), UBKV, Pundibari, Cooch Behar

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Date of birth:	04.03.1982
Gender:	Male, Married
Religion:	Hindu,
Nationality:	Indian
Languages proficiency:	Bengali, English & Hindi,
Permanent Address:	S/O-Late Gobinda Prasad Shit Village: Barabhagia, P.O: Hatbaincha, P.S. Egra, Dist. -Purba Medinipur 721422 (WB)

### Academic Qualifications

Degree awarded	Discipline	Year	University
Postgraduate Diploma	Animal Welfare	2022	Indira Gandhi National Open University
Ph.D.	Poultry Science	2011	Indian Veterinary Research Institute, Izatnagar, Bareilly (UP)
M.V.Sc	Poultry Science	2007	Indian Veterinary Research Institute, Izatnagar, Bareilly (UP)
B.V.Sc& A.H.	Vety. Sci. and Anim. Husbandry	2005	West Bengal University of Animal and Fishery Sciences, Kolkata 37

*Area of interest: Molecular reproductive and stress physiology*

### Recipient of Awards/Medals

Award/Recognition	Awarding Agency	Year
Gold Medal	IGNOU, New Delhi	2022
Research Excellence award	Society for Biotic and Environmental Research	2020
Outstanding paper presentation, 4 <sup>th</sup> RS&TC	Dept. of Science & Tech & Biotechnology, Govt. of WB	2019
Outstanding paper presentation, 3 <sup>rd</sup> RS&TC	Dept. of Science & Tech & Biotechnology, Govt. of WB	2018

Top-25 award for Young Scientist in Anim Sc	Education Expo, New Delhi	2018
Young Faculty Award in Anim. Sc	Education Expo, New Delhi	2018
Young Scientist in Animal Science	Venus International Foundation	2017
Best article award	Tejasvi Publication	2010
Rajiv Gandhi National Fellowship	Government of India	2009
National Eligibility Test (NET)	I.C.A.R., New Delhi	2008
Senior Research Fellowship (SRF)	I.C.A.R., New Delhi	2008
Junior Research Fellowship (JRF)	I.C.A.R., New Delhi	2005

### Working Experience

Sl No	Designation and Institution	From	To
1	Veterinary Officer, ARD Department, Government of West Bengal	22.11.2010	14.12.2015
2	Assistant Professor (Animal Science) Uttar Banga Krishi Viswavidyalaya	15.12.2015	Till date
3	Assistant Registrar (Actg.) Uttar Banga Krishi Viswavidyalaya	19.07.2021	Till date

### Publications

- i. **N. Shit**, K.V.H. Sastry, G. Singh, R.P. Singh, and J. Mohan. (2022). Reproductive tissue regression, sex steroids and mRNA expression of IGF-1, Survivne, Caspase 2 and HSP 70 gene in the ovarian follicles of Japanese quail during stress. Indian Journal of Animal Research. 56(7): 822-829.
- ii. Mandal, S.N., Ghosh, P., **Shit, N.**, Hajra, D., and Banik S. (2021). A Framework for Selection of Training Algorithm of Neuro-Statistic Model for Prediction of Pig Breeds in India. Vietnam Journal of Computer Science. 8(1): 1-23.
- iii. **N. Shit**, K.V.H. Sastry, G. Singh and J. Mohan (2020). Effect of L-ascorbic acid and Alpha-tocopherol on ovarian regression, hormonal changes and gene expression in Japanese quail during stress. Exploratory Animal and Medical Research, 10(1): 32-41.
- iv. **Nonigopal Shit**, Dilip Kumar Hajra, Mrityunjay Mandal, Rupsanatan Mandal, Suprakash Pal and Ashutosh Sarkar (2018). Epidemiological studies for strategic control of gastrointestinal helminths in cattle population under sub-Himalayan Terai Zone of West Bengal. Journal of Entomology and Zoology Studies, 6(5): 270-276
- v. Debbarma, S. Pandit, R. Jas, S. Baidya, S.C. Mandal, L. Ralte, P.S. Jana and **N. Shit** (2017). Haematological impact of naturally occurring tick borne haemoparasitic infections in cattle of West Bengal. Exploratory Animal and Medical Research, 7(2): 175-178.
- vi. G. Patra, S. Majhi, **N. Shit** and S. Biswas (2017). Effect of soya protein (soy crumbles) on the microbiological and sensory attributes of chicken meat powder. Journal of meat science and technology, 5(1): 9-15.

- vii. **N. Shit**, K.V.H. Sastry, G. Singh, R. Mandal and J. Mohan. (2017). Studies on metabolic hormones, sex steroids and mRNA expression of caspase 2, Bcl-XL gene in ovarian follicles of Japanese quail hens during stress. *Indian Journal of Poultry Science*, 52(1): 70-75.
- viii. Rupsanatan Mandal, Suprakash Pal and **Nonigopal Shit** (2017). Unlocking Genetic Diversity in Selected Chickpea Genotypes using Morphological and Molecular Markers. *Current Agriculture Research Journal*, 5(1): 50-57.
- ix. **N Shit**, D.K. Hajra and S Baidya (2017). Seasonal occurrence of gastrointestinal helminth parasites in cattle and buffaloes in Bankura district, West Bengal, India. *Exploratory Animal and Medical Research*, 7(1): 58-63.
- x. G. Patra, S. Majhi, **N. Shit** and S. Biswas (2016). Effect of soya crumbles on the physio-chemical quality of chicken meat powder during storage at 37±1oC. *Indian Journal of Poultry Science*, 51(3): 327-335.
- xi. **N. Shit**, K.V.H. Sastry, R.P. Singh and G. Singh (2016). Effect of Stress on the Oviductal Regression and mRNA Expression of Progesterone and Luteinizing Hormone Receptors in Japanese quail Hens. *Journal of Poultry Science and Technology*, 4(1): 11-18.
- xii. Sumit K. Satpathi<sup>1</sup>, Suprakash Pal, Rupsanatan Mandal, **Nonigopal Shit** and Ashutosh Sarkar (2016). Unraveling the utility and economics of eco-friendly biointensive pest management modules in cowpea under sub-Himalayan West Bengal, India. *The Journal of Plant Protection Sciences*, 8(1-2): 1-6.
- xiii. **N. Shit**, K.V.H. Sastry, R. Singh and R.P. Moudgal (2014). Effect of stress on the percent body weight change and mRNA expression of IGF-1, Survivine and HSP-70 gene in the hierarchial follicles of Japanese quail. *Exploratory Animal and Medical Research*, 4(2): 172-182.
- xiv. **N. Shit**, K.V.H. Sastry, R.P. Singh, N.K. Pandey, J. Mohan (2014). Sexual maturation, serum steroid concentrations, and mRNA expression of IGF-1, luteinizing and progesterone hormone receptors and survivin gene in Japanese quail hens. *Theriogenology*, 81(5): 662-668.
- xv. **N. Shit**, R. P. Singh, K. V. H. Sastry, R. Agarwal, R. Singh, N. K. Pandey and J. Mohan. (2012). Effect of dietary L-ascorbic acid (L-AA) on production performance, egg quality traits and fertility in Japanese quail (*Coturnix japonica*) at low ambient temperature. *Asian Australasian Journal of Animal Science*, 25(7): 1009-1014.
- xvi. **Shit, N.**, Singh, R.P., Sastry, K.V.H., Mohan, J., Pandey, N., Moudgal R.P. (2010). Cloacal gland size significantly alters semen production, sperm activities and fertility in different lines of Japanese quail (*Coturnix coturnix japonica*). *Asian Journal of Poultry Science*, 4(4): 190-197.
- xvii. **N. Shit**, R.P. Singh, K.V.H. Sastry, N.K. Pandey, J. Mohan and R.P. Moudgal. (2010). Development of artificial insemination technology in Japanese quails (*Coturnix coturnix Japonica*). *Indian Journal of Poultry Science*, 45 (1): 50-54.
- xviii. **N. Shit**, K.V.H. Sastry, R.P. Singh, N.K. Pandey, J. Mohan and R.P. Moudgal. (2009). Relationship between cloacal gland size and physio-biochemical characteristics of semen in two lines of Japanese quail (*Coturnix coturnix japonica*) *Indian Journal of Poultry Science*, 44(3): 371-375.
- xix. N.K. Pandey, R.P. Singh, V.K. Saxena, **N. Shit**, R. Singh, R.K. Sharma, K.V.H. Sastry. (2013). Effect of IGF1 gene polymorphism and expression levels on growth factors in Indian colored broilers. *Livestock Science*, 155: 157–164.
- xx. R. P. Singh, K.V.H. Sastry, **N. Shit**, N.K. Pandey, K. B. Singh, J. Mohan, R.P. Moudgal. (2011). Cloacal gland foam enhances motility and disaggregation of spermatozoa in Japanese quail (*Coturnix japonica*). *Theriogenology*, 75: 563–569.

- xxi. R. P. Singh, Sastry, K.V.H, **Shit, N**, Pandey, N.K, R. Agarawal, Singh, K. B, Jagmohan, V. K. Saxena and Moudgal, R.P. (2011). Characterization of lactate dehydrogenase enzyme from semen of Japanese quail (*Coturnix japonica*). *Theriogenology*, 75: 555-562.
- xxii. J. Mohan., Singh, R.P., Sastry, K.V.H., Moudgal, R.P., Biswas, A. and **Shit N**. (2011). Influence of chicken native breeds on some physical and biochemical characteristics and short term storage of semen. *British Poultry Science*, 52 (3):395-400.
- xxiii. R. P. Singh, K.V.H. Sastry, N.K. Pandey, **N. Shit**, Radha, R. Singh, S. K. Sharma, V. K. Saxena, and J. Mohan. (2011). Molecular characterization and expression of Lactate Dehydrogenase A and B mRNA in testes of Japanese quail (*Coturnix japonica*). *Asian Australasian Journal of Animal Science*, 24(8): 1060-1068.
- xxiv. R. P. Singh, K. V. H. Sastry, N. K. Pandey, **N. Shit**, R. Singh and J. Mohan. (2011). Sperm competition in Japanese quail (*Coturnix japonica*): last male precedence is declined in two successive matting with two different male. *Indian Journal of Poultry Science*, 46(1): 130 -131.
- xxv. R. P. Singh, K.V.H. sastry, **N. Shit**, N. K. Pandey, R. Agarwal, K. B. Singh, Jagmohan and R. P. Moudgal. (2010). Electrophoretic separation and characterization of LDH isozymes in Japanese quail (*Coturnix coturnix japonica*) brain. *Indian Journal of Poultry Science*, 45 (1): 55-58.
- xxvi. N.K. Pandey, V.K. Saxena, R.P. Singh, **N. Shit**, R. Singh, R.K. Sharma and K.V.H. Sastry (2010). Single nucleotide polymorphism in insulin like growth factor-1 (IGF-1) gene and its effect on economic traits in Indian colored broilers. *Indian Journal of Poultry Science*, 45(2): 180-185.
- xxvii. Singh, R. P. Sastry, K. V. H. Pandey, N. K. **Shit, N**. Ahuja, A. Radha. Mohan, J. Singh, K. B. Moudgal, R. P. (2009). Characterization of Lactate dehydrogenase isozymes in Japanese quail brain (*Coturnix coturnix japonica*). *Journal of cerebral blood flow & metabolism*, 29: S381-S393.
- xxviii. Sunderason, N., Anish, D., Sastry, K.V.H., Saxena, V., Nagarjan, K., Subramani, J. S., Leo Marie, D., **Shit, N.**, Mohan, J., Saxina, M. and Ahmed, K. A. (2008). High doses of dietary zinc induce cytokines, chemokines and apoptosis in reproductive tissues during regression. *Cell and Tissue Research*, 332 (3): 543-554.

### Other publication

Category	National	International	Total
Review/Popular article	15	-	15
Contribution in book chapter	02	-	02
Full length Lead papers	03	02	05
Abstract in proceedings	23	03	26

### Participation of Training, Webinar and Conference

Category	National	Regional	International	Total
Training	03	-	-	03
Webinar	09	-	-	09
Conference	09	06	01	16

## Working Experience

1. **MVSc:** Development of a Suitable Semen Diluent for Japanese quail (*Coturnix coturnix japonica*).
2. **PhD:** Molecular approaches for the evaluation of stress and its amelioration on ovarian functions in Japanese quail (*Coturnix coturnix japonica*).
3. **Veterinary Officer** (From 22.11.2010 – 14.12.2015), DAH&VS, ARD Deptt., Govt. of West Bengal
4. **Assistant Registrar (Addl. charge)**, Uttar Banga Krishi Viswavidyalaya, 19<sup>th</sup> July, 2021 till date
5. **Professional training as master trainer** 38
6. **Projects handled as PI and Co-PI**

Sl No	Title of Project	Name of Funding Agency	Amount (Lakh)	Duration
1	Setting up model genome club in the State of West Bengal	RKVY - RAFTAAR	45.00	02 years (ongoing)
2	Augmentation of production performance in Khaki Campbell duck through low cost dietary manipulation under semi-intensive system	Regional Research Station, Terai Zone, UBKV, Pundibari	1.99	Completed
3	Scientific evaluation and cost-benefit analysis of duck rearing system special emphasis to socio-economic up-liftment through women empowerment	NABARD	4.45	Completed
4	Image based identification of small animals i.e. pig & goat	Media Lab, Asia, GoI	25.47	Completed
5	Socio-economic development of weaker sections through piggery	RKVY	30.00	Completed

## 7. Professional membership

- All India Agricultural Students Association (AIASA), ID-AIASA/UBKV/OL/AM-45/2020
- Cooch Behar Association of Cultivation of Agricultural Sciences (COBACAS)
- Indian Poultry Science Association, CARI, Izatnagar, Bareilly, 243122 (UP)
- Society for Animal Physiologists in India, Bangalore, India
- West Bengal Veterinary Council, 68 Belgachia Road, Kolkata-37
- Veterinary Council of India, A-Wing, A.K. Bhawan, Bhikaji Cama Place, New Delhi

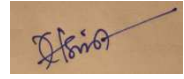
## **8. Organization of Seminar / Workshop / Symposia / Webinar**

- a. Co-Organizing Secretary, National Seminar on Climate resilient and input efficient agriculture for food and nutritional security. 19-20 Jan., 2023. Organized by Directorate of Research, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooch Behar
- b. Convener, Refreshment Committee, Annual athletic meet 2023, UBKV on 13.01.2023. (UBKV/DSW-209/2022; Dt. 27.12.2022).
- c. Jt. Organizing Secretary, Awareness cum Observation of WORLD RABIES DAY on 28.09.2022 at 15hrs in Conference hall, Cooch Behar KVK on Deadly Rabies: The past, present and future.
- d. Jt. Convener, Refreshment Committee, National Seminar. 26-27th May, 2022. Organized by Faculty of Horticulture, UBKV, Pundibari, Cooch Behar
- e. Organizing Secretary, National Webinar on Backyard Poultry: an opportunistic rural venture for employment and empowerment. 13th October, 2020. Organized by NAHEP-IG, UBKV, Pundibari, Cooch Behar
- f. Course co-ordinator “Scientific Pig Farming: an initiative for sustainable rural livelihood in Terai-Dooars region of West Bengal” from 3-6th March, 2020 (Residential). Organized by Cooch Behar KVK & RRS-TZ, UBKV.
- g. Course coordinator “Backyard goat farming as an alternative livelihood generation option” from 12-13th March, 2020 (Residential). Organized by Cooch Behar KVK, UBKV.
- h. Course coordinator “Backyard duck rearing for alternative livelihood generation option” from 11-12th March, 2020 (Residential). Organized by Cooch Behar KVK, UBKV.
- i. Member, organizing committee. National seminar on cultivation, conservation and sustainable utilization of medicinal plants for livelihood improvement. Deptt. of Forestry, F/Hort. UBKV, 20-21 November, 2019.
- j. Organizing Secretary, Awareness cum workshop on “Zoonoses in the 21st century: Awareness, Prevention and control for safe mankind” on 26.09.2018. Organized by COBACAS, UBKV, Pundibari.
- k. Member, Seminar on Image based system for identification of individuals, breeds and diseases of animals. Organized by Department of Agronomy, F/O Agriculture, UBKV, Pundibari.

## **9. Others:**

- a. Teaching (BSc & MSc courses)
- b. Ext. Examiner(Viswa-Bharati, Santiniketan)
- c. Reviewer & Member of Editorial Board of Peer-Review Journals
- d. Guest lecturer (Viswa-Bharati, Santiniketan)
- e. Answer script evaluator
- f. Doora-darshan programme

I hereby solemnly declare that all the statements made in the document are true and correct to the best of my knowledge & belief.

A small, rectangular, brown-colored stamp or background containing a handwritten signature in black ink. The signature is cursive and appears to be 'D. Jones'.

**(NONIGOPAL SHIT)**

Date: 07<sup>th</sup> November, 2023