

Biodata of Dr Santosh Kumar Baishya

- 1. Name of the Scientist:** Dr. Santosh Kumar Baishya
- 2. Fathers Name :** (late) Pabitra Baishya
- 3. Date and place of birth:** 01-12-1971, Bahari, Barpeta, Assam
- 4. Marital Status:** Married
- 5. Postal Address:** Krishi Vigyan Kendra, Goalpara, ICAR-NRC on Pig, Dudhnoi, Goalpara -783124, Assam
- 6. Telephone, telex, fax etc:** 9436108526/9365320426 (M);
E-mail: santosh_baishya@rediffmail.com, goalparakvk@gmail.com
- 7. Educational qualifications beginning with the first degree or equivalent (in tabular form):**

Degree	University/ Institution	Year	Specialization	Distinction, if any
B.V.Sc.	Assam Agricultural University	1995	Veterinary Science	First class (7.3/10.00)
M V Sc	Assam Agricultural University	1997	Animal Reproduction Gynaecology and Obstetrics	First (Grade 7.83)
Ph.D.	Assam Agricultural University	2014	Animal Reproduction Gynaecology and Obstetrics	First (Grade 8.72)
NET qualified	ASRB, New Delhi	1998	Animal Reproduction and Gynaecology	NA

8. Employment record:

Position held	Employer	Place of work	Duration
Subject Matter Specialist (Animal Science)	Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya	KVK Ribhoi, ICAR Research Complex for NEH Region, Umiam, Meghalaya	4 th July 2006 to 6 th October, 2015
Senior scientist and Head	President, ICAR, New Delhi	Krishi Vigyan Kendra, Wokha, ICAR Research Complex for NEH Region, Nagaland Centre	3 years
Principal Scientist & Head	President, ICAR, New Delhi	Krishi Vigyan Kendra, Wokha, ICAR Research Complex for NEH Region, Nagaland Centre	2 years
Principal Scientist & Head	President, ICAR, New Delhi	Krishi Vigyan Kendra, Goalpara, ICAR-NRC on Pig, Dudhnoi, Goalpara - 783124, Assam	2 yrs & 6 months (continuing)

9. Research Publication:

Sl	Publications	NAAS
1	Effect of conventional and controlled freezing method on the post thaw characteristics of boar spermatozoa, S K Baishya , R K Biswas, G Kadirvel, B C Deka, Suresh Kumar, S Sinha, D J Dutta and G.K.Saikia. <i>Animal Reproduction Science</i> , 149 : 231–237, 2014.	7.5
2	Effect Of Reduced Glutathione, Water Soluble Vitamin E Analogue And Butylated Hydroxytoluene On The Post Thaw Characteristics Of Boar Spermatozoa. Santosh Kumar Baishya , Ranjan Kumar Biswas, Kadirvel Govindasamy, Bharat Chandra Deka, Sudip Sinha and Mahak Singh. <i>CryoLetters</i> 39 (4), 227-234 (2018)	6.67
3	Pre-Freezing Treatment With Butylated Hydroxytoluene And Cholesterol-Loaded Methyl-B Cyclodextrin Improves Quality Of Cryopreserved Boar Semen. Santosh Kumar Baishya , Ranjan Kumar Biswas, Kadirvel Govindasamy, Bharat Chandra Deka, Sudip Sinha and Mahak Singh. <i>CryoLetters</i> 39 (5), 336-344 (2018)	6.67
4	Efficacy of different extenders on sperm characteristics and fertility in crossbred pigs of north-eastern India. Kadirvel Govindasamy, Perumal Ponraj, Sarath Thulasiraman, Jerome Andonissamy, Syamal Naskar ¹ , Anubrata Das, Dhilruba Hasin, and Santosh K. Baishya <i>Veterinarski Arhiv</i> 86 (4), 515-528	6.30
5	A comparative study of cryodamages of boar spermatozoa frozen with conventional liquid nitrogen vapour freezing method. S K BAISHYA , R K BISWAS, G KADIRVEL, B C DEKA, SURESH KUMAR AND D R THAKURIA. <i>Indian Journal of Animal Science</i> 84 :954-957	6.13
6	First report on in vivo fertility trial of frozen thawed boar semen in India. <i>Indian Journal of Animal Research</i> 50 (2) 2016:181-184	6.13
7	A comparative study of effects of different freezing methods on sperm quality, DNA integrity and membrane protein of cryopreserved boar semen. S K BAISHYA , R K BISWAS, G KADIRVEL, B C DEKA AND SURESH KUMAR. <i>Indian Journal of Animal Science</i> . 84 (9):954-957	6.13
8	Effect of additive supplementation in semen extender on sperm quality and plasma membrane protein profile of frozen-thawed boar semen. S K BAISHYA , R K BISWAS, G KADIRVEL AND D R THAKURIA <i>Indian Journal of Animal Sciences</i> 85 (6): 570–574, June 2015/Article	6.13
9	Tribal Farmers Traditional Knowledge and Practices of Pig Farming M Singh, R Sarma, D J Rajkhowa, SK Baishya <i>Indian Journal of Animal Sciences</i> March 2019.	6.13

10. Awards & Honours/ Recognition

Sl. No.	Name of the Award	Details
1	KVK Wokha- Graded “A” by NITI Ayog	Under my guidance, supervision and monitoring KVK Wokha received “A” Grade in 2017 from NITI-Ayog

		grading by third party evaluator
2	Best Paper Award	Received best paper award for presenting a research paper entitled “Entrepreneurial and Skill Development for Tribal Rural Youths through Sustainable Farming System” during 8 th National Seminar on “Potential Prospects and Strategies for Doubling Farmers Income: Multi-stakeholders Convergence” at College of Veterinary Science, AAU, Khanapara, Guwahati during November 9-11, 2017.
3	Reviewer of Animal Reproduction Science	Elsevier, Animal Reproduction Science, USA
4	Reviewer of IJAS	ICAR, New Delhi

Significant Contributions

1. **As a PI of an external project on “Entrepreneurial and skill development for tribal rural youths through sustainable farming system intervention in Wokha District of Nagaland” under Attracting and Retaining Youth in Agriculture (ARYA) project** funded by Department of Agriculture and Cooperation, Ministry of Agriculture and farmers’ welfare, Govt. of India with a budget allocation of Rs 95 lakh. The project was carried out to create interest and confidence among rural youth in agriculture for entrepreneurship development. It was implemented in 2015-16 to entail a total of 200 rural tribal unemployed educated youths below 35 years of age.
2. **As a Co-PI of TSP project on “Household Level Food and Nutritional Supplement of Tribal Farmers through Agriculture and Allied Interventions”** with a budget allocation of Rs 13 lakh.
3. **As a PI of TSP project on “Development of Custom Hiring Centre (CHC) on community basis at Wokha district of Nagaland”** with a budget allocation of Rs 12.49 lakh.

4. **Technology Assessment, Demonstration and Capacity Development Programme:**

During the year 2015-16 to 2020-21 as a Principal Scientist and Head in ICAR-KVK, I discharged my duties as to organize, conduct, supervise, coordinate and management of research and extension in various discipline of agricultural sciences based on the annual action plan related to the mandated activities of KVK.

5. **Artificial Insemination and cryopreservation of Boar Semen**

During this period some contributions also made in pig reproduction

- i. Introduction of Artificial Insemination (A.I.) in pigs under village condition to improve the local pigs of Meghalaya and Nagaland using superior germ plasm of Hampshire boar.
- ii. Developed a novel freezing protocol adopting cooling rate of 3°C/min from 5 to -6°C, 1 min holding at -6°C and then using freezing rate of 40°C/min from -6 to -140°C in Lactose Egg-yolk Glycerol extender containing butylated hydroxytoluene (0.2 mM) employing French medium straw for cryopreservation of boar semen.

