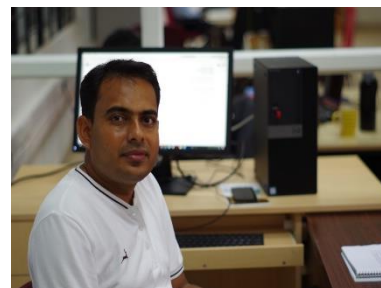


BIO-DATA



NAME: Dr. Sujit Kumar

Behera

DESIGNATION: Assistant Professor

Email: sujitkumar@cutn.ac.in

OFFICE ADDRESS: Assistant Professor, Department of Epidemiology and Public Health, Central

University of Tamil Nadu, Thiruvarur, Tamil Nadu, India - 610 005

DOB.13/06/85

Vidwan ID:

<https://cutn.irins.org/profile/63306>

Short Profile :

Dr. Sujit Kumar Behera is an Assistant Professor in the department of Epidemiology and Public Health at Central University of Tamil Nadu. Sujit did his M.V.Sc and Ph.D from Veterinary Public Health and Epidemiology, Indian Veterinary Research Institute (IVRI), an institute of national importance. Dr Behera was the recipient of Merit Scholarship of IVRI, KVAFSU. He has published more than 15 research articles in national and international peer reviewed journals. Dr. Behera is a veterinarian, and his research interests are in zoonotic diseases and development of novel diagnostics for diseases of public health importance more specifically leptospirosis and rickettsia disease. One of the major focus of his lab is on developing markers for rapid detection of infectious organisms affecting animal and human health

EDUCATIONAL DETAILS:

Examination	Matriculation (10th)	Intermediate (+2 Sc.)	Graduation (BVSc. & AH)	Post-Graduation (M.V.Sc) in Veterinary Public Health	Ph.D in Veterinary Public Health
Name of School or College	Jharadihi High School	M.P.C College	C.V.Sc. & AH., BANGALORE	IVRI, Izatnagar	IVRI, Izatnagar
Name of Board or University	BSE, Orissa	CHSE, Orissa	KVAFSU Bidar	IVRI Izatnagar	IVRI, Izatnagar
Year of passing	2000	2002	2010	2012	2016
Percentage marks	83.06	64	81.70%	83.73%	86.1%
Division	1ST	1ST	1ST	1ST	1ST

Projects

No.	Name of the project	Funding Agency*	Status of the Project	Total Funding	Role
1	Development and evaluation of novel point of care non-invasive diagnostic method for leptospirosis	DST	On going	2116530	PI
2	Development and evaluation of an isothermal assay for scrub typhus	ICMR	Ongoing	2568124	PI
3	Capacity building and promoting good husbandry practices among livestock farmers for the livelihood, sustainable livestock production and upholding public health	DST	Ongoing	71,35,828	Co-PI
4	Oxidatively Truncated-Phospholipids Molecularly Couple Renal Inflammation to Intrinsic Apoptosis in Alcoholic Renal Injury	ICMR	Ongoing	31,21,860	Co-PI

PUBLICATIONS:

1. Behera, S.K., Sabrinath, T., Chaudhary, P., Kumar, A., Das, S.C. and Agarwal, R.K. 2014. Evaluation of recombinant LipL32 based latex agglutination test for serodiagnosis of porcine leptospirosis, Vet. World. 7(1): 17-20 (ISSN-2231-0916)
2. Behera, S.K., Sabrinath, T., Kumar, A., Das, S.C., Palai, T.K., Patra, D. and Chaudhary, P. 2014. Seroprevalence of Leptospirosis among Suspected Cattle in Eastern Part of India. A

- Comparative Study between Recombinant LipL32 ELISA and MAT. Iranian Journal of Veterinary Research, 15(3):285-89. (ISSN-2252-0589)
3. Behera, S.K., Sabrinath, T., Khatua, S., Pal, D., Das, S.C., Sarangi, G., Chaudhary, P. and Kumar, A. 2015. Recombinant LipL32 Based Enzyme Linked Immunosorbent Assay for Seroprevalence Studies of Leptospirosis in Livestock Farmers Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. DOI 10.1007/s40011-014-0421-9 (Springer) (ISSN:0369-8211.)
 4. Panigrahi, P.N., Gupta, A.R., Behera, S.K., Panda, B.S.K., Patra, R.C., Mohanty, B.N. and Sahoo, G.R. 2014. Evaluation of Gastrointestinal Helminths in Canine Population of Bhubaneswar, Odisha, India: A Public Health Appraisal, Vet. World. 7(5): 295-298 ((ISSN- 2231-0916))
 5. Mohanta, Y.K. and Behera, S.K. 2015. Biosynthesis, characterization and antimicrobial activity of silver nanoparticles by Streptomyces sp.SS2 Bioprocess and Biosystems Engineering (Springer). DOI 10.1007/s00449-014-1205-6 (ISSN-1615-7605).
 6. Maharana, B.R., Kumar, B., Sudhakar, N.R., Behera, S.K. and Patabandha, T.K. 2015. Prevalence of gastrointestinal parasites in bovines in and around Junagadh Gujarat. Journal of Parasitic Diseases. DOI. 10.007/s12639-015-0644-6. (ISSN-0971-7196).
 7. Panigrahi, P.N., Behera, S.K. and Dey, S. 2015. Diagnosis and Clinical management of Leptospirosis in a Dog. Intas Polivet. 16:361-363. (ISSN-2249-8796).
 8. Behera, S.K., Sabarinath, T., Kumar, A., Ali, S. A. and Chaudhuri, P. 2016. Evaluation of Recombinant LigB Based in-house Latex Agglutination Assay for Sero-surveillance of Canine Leptospirosis. Journal of Veterinary Public Health. 14: 19-23 (ISSN: 0972-7485).
 9. Shahi, Jyanendr Kumar., Roy, Sanjeev Kumar., Chauhan, Geeta., Kumar, Pankaj., Kumar, Rakesh and Behera, Sujit Kumar. 2017. Effect of storage condition on sensory and microbial characteristics of aerobically packaged low fat milk nuggets prepared with skim milk coagulum and finger millet flour. Indian Journal of Dairy Science. 70: 53-56 (ISSN:2454- 2172 (ONLINE))

10. Behera S.K., Sabarinath, T., Deneke, Y., Atif Ali, S., Kaur, G., Kumar, A., Ravi Kumar, G., Senthil Kumar, K., Sinha, D.K., Verma, M.R., Srivastava, S.K. and Chaudhuri. P. 2018. Serological evidence of anti-*Leptospira* antibodies in goats in various agro climatic zones of India. *Small Ruminant Research*. 169: 74-80 (ISSN: 0921-4488)
11. Thankapan S, Behera S K, Chopra, S, Deneke Y, Sharma V, Ali, SA, Chaudhuri P, Kumar A(2019) . Prospective evaluation of the diagnostic potential of LipL32 based latex agglutination test for Bovine leptospirosis. *Tropical Biomedicine* 36(2): 367-372.
12. Karuppusamy, B, W. Paulson, S. Chellappan, S.K. Behera, P. Balabaskaran Nina 2021. District-level epidemiology, hot spots and sociodemographic determinants of tobacco use in Indian men and women: analysis of national family health survey-4 (2015- 16), *Public Health*, 194: 127-134
13. Mohan, I., Kodali, N.K., Chellappan, S, Karuppusamy, B, Behera, SK, Gopalan, N, Balabaskaran Nina, P. (2021). Socio-economic and household determinants of malaria in adults aged 45 and above: analysis of longitudinal ageing survey in India, 2017-2018, *Malaria Journal*, **20**, 306 <https://doi.org/10.1186/s12936-021-03840-w>
14. Behera SK, Sabarinath T, Mishra PKK, Deneke Y, Kumar A, ChandraSekar S, Senthilkumar K, Verma M, Ganesh B, Gurav A, Hota A. Immunoinformatic Study of Recombinant LigA/BCon1-5 Antigen and Evaluation of Its Diagnostic Potential in Primary and Secondary Binding Tests for Serodiagnosis of Porcine Leptospirosis. *Pathogens*. 2021; 10(9):1082. <https://doi.org/10.3390/pathogens10091082>
15. Behera SK, Sabarinath TC, Deneke Y, Bansal SK, Mahendran K, Kumar A, Senthil K, Verma MR, ChandraSekar S, Atif Ali S. Evaluation of the diagnostic potential and DIVA capability of recombinant LigBCon1-5 protein of *Leptospira interrogans* serovar Pomona in canine leptospirosis.

Iran J Vet Res. 2021 spring; 22(2):120-128. doi10.22099/ijvr.2021.38698.5633. PMID: 34306109; PMCID: PMC8294815.

16. Behera SK, Sabarinath T, Ganesh B, Mishra PK, Niloofa R, Senthilkumar K, Verma MR, Hota A, Chandrasekar S, Deneke Y, Kumar A. Diagnosis of Human Leptospirosis: Comparison of Microscopic Agglutination Test with Recombinant LigA/B Antigen-Based In-House IgM Dot ELISA Dipstick Test and Latex Agglutination Test Using Bayesian Latent Class Model and MAT as Gold Standard. *Diagnostics*. 2022 Jun 13; 12(6):1455.
17. Paulson W, Kodali NK, Balasubramani K, Dixit R, Chellappan S, Behera SK, Balabaskaran Nina P. Social and housing indicators of dengue and chikungunya in Indian adults aged 45 and above: Analysis of a nationally representative survey (2017-18). *Archives of Public Health*. 2022 Dec; 80(1):1-2.
18. Balasubramani K, Prasad KA, Kodali NK, Abdul Rasheed NK, Chellappan S, Sarma DK, Kumar M, Dixit R, James MM, Behera SK, Shekhar S. Spatial epidemiology of acute respiratory infections in children under 5 years and associated risk factors in India: District-level analysis of health, household, and environmental datasets. *Frontiers in Public Health*. 2022 Dec 13; 10:906248.
19. Dixit R, Gopalan, N, Behera SK. Isothermal amplification technology (IAT) for rapid diagnosis of Rickettsioses: Scope, overview, existing evidence and the way forward, *Diagnostic Microbiology and Infectious Disease*, 2023, 116046, ISSN0732-8893, <https://doi.org/10.1016/j.diagmicrobio.2023.116046>.

Book chapters

20. Maharana, B.R. and Baithalu, R, Behera S.K. et al. 2016. VET RAPIDEX, pp 1-736, 1st Ed. Vol.1,

Kalyani Publisher, New Delhi 2nd Ed. ISBN: 9789327269031, 9327269039

21. Rath PK, Sathapathy S (2021).MCQs on Veterinary Public Health, Jaya Publishing House, ISBN: 978-9391063016

AWARDS AND RECOGNITIONS:

- 2010 - IVRI Institutional scholarship for pursuing Master in Veterinary Sciences
 - 2012- IVRI Institutional scholarship for pursuing Doctorate in Veterinary Sciences
 - 2013 – ARS-National Eligibility Test, *Indian Council of Agriculture Research*, New Delhi for Veterinary Public Health
 - 2013 – UGC-National Eligibility Test, *University Grant Commission*, New Delhi for Social Medicine & Community Health
 - Life Member of Odisha Veterinary Council, since 2011
 - Life Member of Veterinary Council of India, since, 2013
 - Life Member of Indian Association of Veterinary Public Health Specialists, since, 2017
- Best Posters presentation Award**

International conference on AFHABEC 14 th Dec.2019, JNU, New Delhi	Serological evidence of antileptospira antibodies in goats in various agro climatic zones of India , First Prize
National Conference of XXXII IAVMI, Feb.4-6, 2019, BASU, Patna	Assessment of risk factors responsible and evaluation of latex agglutination test and indirect ELISA based on conserved region of LigA/B antigen, First Prize

Organization of Training Program/ Refresher course/ summer/ winter schools/ Conference/Symposia etc.

No.	Particulars of Event	Dates & Duration	Position/ Role of Applicant (Coordinator/ Assoc. Coordinator/ Team Member)
1	Two days National level workshop on Aedes Borne Diseases and Their Control	March 5-6, 2020	Assoc. Coordinator
2	State Level Workshop on Know Your Brain	Sept 6-7, 2018	Co Convenor
3	Hands on training on Data	January,	Co-organizer

	Management & Statistical Analysis using EpiInfo™ 7” For MSc EPH Students	23-25, 2018	
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Administrative activities involved:

Role	Organization
Member Board of Studies	Epidemiology and Public Health department, CUTN
Member	COVID Taskforce, CUTN
Member	IQAC, CUTN

Professional training attended inside/ outside the institution/ university

Training particulars	Name of the Events	Institution name
Attended 15 days refresher course from 16 March-30 March, 21	Interdisciplinary Refresher course on Social unrest: Clio dynamics	NEHU, Shillong
Attended UGC sponsored 30 th Orientation course for 21 days 28 July-17 August, 2020	Orientation course	Mizoram University
Attended 7 days FDP from 17.3.2021-23-3.21	Multivariate data analysis	Calcutta University and Excellent open
Attended 12 days FDP from 13.02.2019 -24-02.2019	CAPACITY BUILDING PROGRAMME	CUTN, Thiruvapur
Attended 15 days Online FDP from 19.07. 21 to 2.08.21	Bioinformatics	New College, Chennai

M.Phil./P.G. awarded *

Sl. No.	Name of the Scholar	Title of the Dissertation/Thesis	M.Phil / P.G.	University	Month and Year
1	Mr G Poovarasam	Knowledge, attitude and practice survey of rabies in Thiruvapur	PG	CUTN	May, 2018
2	Mr Vinoth Kumar	Knowledge, attitude and practice of food safety measures	PG	CUTN	MAY, 2018

		among street food vendors and consumers in Thiruvarur			
3	MrNareshMarvanth	Cross sectional study of milk adulteration in and around Thiruvarur Tamil Nadu	PG	CUTN	May, 2019
4	Miss Jeeva	Clinicoepidemiological profile of canine leptospirosis: A cross sectional survey	PG	CUTN	May 2019
5	MrAnanya Kumar Palei	Spatial Distribution of Aedes mosquitoes(Aedes aegypti and A. albopictus) in Chandrasekharapur, Bhubaneswar	PG	CUTN	June, 2020
6	Miss Sayani Sinha	The Spatial pattern and distribution if factors associated with acute respiratory diseases among under 5 children in India	PG	CUTN	Jume,2020
7	Miss Meenu Mariya James	Evaluation of Antibacterial effect of Cleome viscosa against drug resistance bacteria	PG	CUTN	June, 2020
8	Anwasha Mishra	Leptospirosis in Human , Animal and Environmental Interface: A Narrative Review	PG	CUTN	June, 2021
9	Mr Kolapaka Shivanagesh	Zoonotic Diseases of Public Health Importance: A brief review	PG	CUTN	June, 2021
10	Jasna Joseph	One Health Perspective of Japanese			May2022

		Encephalitis in India			
11	Meghna P Dinesh	Longitudinal Nation Wide Survey on Self- Reported Tuberculosis and Associated Risk Factors among Forty- five years and Older Indian Adults	PG	CUTN	May, 2022
10	Dr Yogesharwan	Exploratory study on community perceptions on public health hazards associated with unhygienic farm animals' rearing	PG	CUTN	May, 2023
11	Miss Neehra Murli	Under-five Children health situations among eastern states of India in Comparison to Kerala: A comparative study between state fact sheets of NFHS-4 and NFHS- 5	PG	CUTN	May, 2023
12	Miss Ruchitha Vanguri	Assessing Diet Diversity and Nutritional Adequacy Ratio as Predictors of Health Outcomes in Adolescent Girls	PG	CUTN	May, 2023
13					

PhD Students

Sl. No.	Name of the Scholar	Proposed Work
1	Meenu Mariya James	Dengue Spatial Epidemiology

2	Rashi Dixit	Diagnostic aspects of Scrub typhus
3	Aiswarya Mohan	Mitochondrial electron transport chain of <i>Plasmodium falciparum</i> (Co Guide: Dr. Praveen Balabaskaran Nina)

Collaborations:

Dr. Praveen Balabaskaran Nina, Associate Professor, Department of Public Health and Community Medicine

Dr. Prashanta Kumar Mishra, Assistant Professor, Biochemistry, OUAT, Odisha

Dr. Sabarinath Thankappan, Senior Scientist, Microbiology, IVRI, Bangalore

Prof. Padma Das, Professor, Microbiology, AIIMS, Raipur

Prof. Anthony Jude Prakash, Professor, Microbiology and Immunology, CMC, Vellore

Prof. Atul Kumar Goel, Professor, Pediatrics, AIIMS, Raipur