

## BIODATA

1. **Name:** Biswajit Brahma
2. **Designation:** Associate Professor
3. **Contact Address:** Division of LPM; FVSc& AH; SKUAST-J, R. S. Pura, J&K 181102
4. **E-Mail:** [jitt77@gmail.com](mailto:jitt77@gmail.com)
5. **Mobile:** +91-9419248166
6. **Professional Experience:**
  - i. Jan, 2017-Till date: Associate Professor (LPM); FVSc& AH, SKUAST-Jammu
  - ii. Mar 2016-Dec 2016: Assistant Professor (LPM); FVSc& AH, SKUAST-Jammu
  - iii. Dec 2003-Mar 2016: Subject Matter Specialist, KVK, Doda, SKUAST-Jammu
7. **Awards/ Honours/ Scholarships:** Gold Medalist, First class First in Masters programme.  
Dr. S. P. Arora award (2002) for academic excellence.  
Excellence in Research Award, Society for Bioinformatics and Biological Sciences  
NDRI Masters Scholarship 2000-2002.  
NDRI PhD Scholarship 2002-2003.  
University Merit Scholarship for UG Study: 1995-2000  
National Merit Scholarship from West Bengal Education Department
8. **Area of Specialization:** Livestock production; Dairying; Animal genomics
9. **Research Interest:**
  - Molecular mechanism of thermal stress for development of early stress indicator
  - Elucidating mechanism of identification of microbial signatures by pattern recognition receptors and complex network of signalling cascade
  - Nucleic acid based method for detection of species specificity in animal product
10. **Total No. of Publication (Referred Journals):** 33; (Total citations: 515, H-index: 11; i10-index: 12, <https://scholar.google.co.in/citations?user=CMTurC4AAAAJ&hl=en>)
11. **Selected Publications (best five):**
  1. **Brahma B**, Patra MC, Karri S, Chopra M, Mishra P, De BC, Kumar S, Mahanty S, Thakur K, Poluri KM, Datta TK, De S. (2015) Diversity, antimicrobial action and structure-activity relationship of buffalo cathelicidins. **PLoS One**. 10(12):e0144741. doi: 10.1371/journal.pone.0144741. [Impact Factor: 2.806]
  2. **Brahma B**, Kumar S, Mishra P, De BC, Patra MC, Chopra M, Gaur D, Datta TK, De S. (2015) Comparative genomic analysis of buffalo (*Bubalus bubalis*) NOD1 and NOD2 receptors and their functional role in *in-vitro* cellular immune response. **PLoS One**. DOI:10.1371/journal.pone.0119178. [Impact Factor: 2.806]
  3. De S, **Brahma B**, Polley S, Mukherjee A, Banerjee D, Gohain M, Singh KP, Singh R, Datta TK, Goswami SL (2011) Simplex and duplex PCR assays for species specific identification of cattle and buffalo milk and cheese. **Food**

**Control**22: 690-696. [*Impact Factor*: 3.496]

4. Thakur K, Tomar SK, **Brahma B**, De S. (2016) Screening of riboflavin-producing lactobacilli by a polymerase-chain-reaction-based approach and microbiological assay. ***Journal of Agriculture & Food Chemistry***. 64(9):1950-6. doi: 10.1021/acs.jafc.5b06165. [*Impact Factor*: 3.154]
5. **Brahma B**, Patra MC, Mishra P, De BC, Kumar S, Maharana J, Vats A, Ahlawat S, Datta TK, De S. (2016). Computational studies on receptor-ligand interactions between novel buffalo (*Bubalus bubalis*) nucleotide-binding oligomerization domain-containing protein 2 (NOD2) variants and muramyl dipeptide (MDP). ***Journal of Molecular Graphics & Modeling***. 65:15-26. doi: 10.1016/j.jmgl.2016.02.004. [*Impact Factor*: 1.754]

6. **Student advisory:** PhD: As Major Advisor: nil Member, Advisory Committee: 02  
PG: As Major Advisor: 02 Member, Advisory Committee: 15  
UG: 07
7. **Books/ Manuals/ Monographs:** Book Authored 02 Book Edited:02  
Manuals: 03
8. **Seminar/ Workshop/ Conference attended:** 10.
9. **Extension trainings associated with:** As subject Matter Specialist (Animal Science) organized and conducted more than 50 extension trainings for farmers, rural youths and field functionaries.
10. **Research projects as PI/Nodal Officer:** 01
11. **Other Achievements if any (Please specify):**
- As Co-organizing Secretary, organized International conference on "Recent trends in bioinformatics and biotechnology for sustainable development", on October 12-13, 2017 at SKUAST-Jammu, India.
  - Organized two workshops on "Advances in animal production" (June 16-17th 2004) and "Animal production in Doda: Problems and perspectives" (Sep 21-22nd 2005).