

Jyoti Choudhary



Dr. Jyoti Choudhary

Assistant Professor

Dept. of Biotechnology

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Educational Qualifications: M.Sc., Ph.D.



Research Area

Plant-Microbes Interaction, Plant- Animal interaction, Industrial Biotechnology, Animal Biotechnology, Probiotics.

Research Experience

March 2018- August 2019

Research Associate

Patanjali Research Institute, Haridwar
Uttarakhand, INDIA

May 2013- December 2013

Senior Research Fellow

Indian institute of farming System
Research, Modipuram
Meerut, U.P. INDIA

March 2011 – April 2013

Senior Research Fellow

National Dairy Research Institute,
(ICAR), Karnal,

Conference, Training & Workshop

National Symposium on “Recent Advances in Reproductive Biotechnology Retrospective and prospective vision” in National Dairy Research Institute, Karnal during 30-1-2012 to 31-1-2012.

National symposium on “New horizon in basic and clinical research” in All India Institute of Medical Sciences on 16-04-2012.

International work shop on Transcriptomics, Proteomics and structural Biology during 27-02-2012 to 29-02-2012.

Farmers’ awareness program on Climate change in National Initiative Climate Resilient agriculture (NICRA)

PUBLICATIONS DETAILS

Jyoti Choudhary and R.C. Dubey “in vitro and in vivo studies on Anti-diarrhoeal potential of *Lactobacillus plantarum* GMP3 isolated from goat milk” (2020). LWT Food Science and Technology- **Elesvier**. (under review).

Choudhary, J., Dheeman, S., Sharma, V. et al. Insights of Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV-2) pandemic: a current review. Biological procedure Online-**Springer** 23, 5 (2021).

Jyoti Choudhary, R.C. Dubey, Gyannender Sengar, Shrivardhan Dheeman “Evaluation of Probiotic Potential and Safety Assessment of *Lactobacillus pentosus* MMP4 isolated from Mare’s Lactation (2018). Probiotics and Antimicrobial Proteins- **Springer**

J. Choudhary and R. C. Dubey (2018). Relative Probiotic potential of Milk bacteria from Desi and Cross breed cows and its compatibility with prebiotics. Biotechnol. Res. 4(2):62-68.

Alyethodi, R., Kumar, S., Deb, R., Alex, R., Singh, U., Sharma, S., Ashish, **Choudhary, J.**, Sengar, G., Singh, R., Tyagi, S., Birham, P. (2018). Using PCR-PIRA based genotyping for identifying complex vertebral malformation allele in Frieswal young bulls in India. *Iranian Journal of Veterinary Research*, 19(1), 44-47.

K. mehla, A. magotra, **J. Choudhary**, A.K. singh, A. K. Mohanty, R.C. Upadhyay (2013). Genome wide analysis of the heat stress response in Zebu (Sahiwal) cattle. Gene- **Elesvier**.

J. Choudhary and A.K. Singh, (2012). Sugarcane industry waste for ethanol production: a review. *Agricultural reviews*

A.K. Singh, S. Pandita, R.C. Upadhyay, R. Kushwaha, G. Chandra, Z.A.Pampoori, M.M. Vaidya **J. Choudhary** and N. Chaudhary. (2012). Influence of colostrums intake on endocrine and metabolic profile of bovine neonates: A review. *Agricultural reviews*, 33 (2): 135-142.

A.K. Singh, R. Kushwaha, **J. Choudhary**, Asit Jain, G. Chandra. (2012). Effect of feeding protected-fat on production performance of dairy animals. *Dairy planner* (Accepted).

Khan Farheen Badrealam, R.C. Upadhyay, A.K. Singh, A.K. Mohanty and **J. Choudhary**. (2012). Prefractionation strategies for bovine plasma/serum proteomics: A Review. *Wayamba Journal of animal science*, ISSN: 2012-578X.

H. N. Malik, A. K. Singh, S. K. Das, D. Kumar, M. K. Jena, S.K. Mohapatra, S. Saughandhika, **J. Choudharay** and D. Malakar. (2011). Differentiation of germ cells from stem cells: A Review. *Agricultural review*, 32 (4): 309 – 314.

A.K Singh, R. Kushwaha, **J. Choudhary**, A. Jain and D. Kumar. (2012). Artificial Insemination in Poultry. *Poultry times of india*, 33(5): 04

Sonia Sharma T.Sridhar Goud, Renuka, Anil Kumar, S. Ashraf, D. Banerjee, Pankaj Gupta, Ruheena Javed, Jyoti Ranga, **Jyoti Choudhary**, Ritu Chakravarty, Manju Ashutosh, T.K.Mohanty, S.V.Singh, Shiv Prasad, O.K.Hooda and R.C.Upadhyay. (2012). Effect of temperature humidity index (THI) on reproduction of Indigenous cattle breeds and their crossbreds. *Recent Advances in Reproductive Biotechnology Retrospective and prospective vision* (Abstract).

BOOK CHAPTER

Swati Shukla, Ramesh C. Dubey and Jyoti Choudhary. (2022). “Synbiotic Effects of Human Milk on Neonatal Health: Probiotic Early Microflora and Prebiotic Oligosaccharides in Symphony. *Microbial Biotechnology*, Wiley Publications.

Jyoti Choudhary, Sarad Kumar Mishra, Zainab Rao, **Swati Shukla**. (2022). “Endophytic microbes: Potential source of antibiotic production”. *Microbial Biotechnology*, Wiley Publications.

Shivani Tyagi & **Jyoti Choudhary** (2022). “Epinephrin: Clinical uses, Interaction, Health risk and Future prospective”. Elsevier Pollutant Book.

Jyoti Choudhary, Ravi raj Singh, **Swati Shukla**. (2022). “CRISPR/Cas9 system: An advance trend in science”. *Recent trends and innovation in science and technology in Book Science vs Technology*. (Communicated).

Membership

Life Member, Indian Science Congress Association, Kolkata, India.

Life time membership, Green society for environment, Lucknow, India.

Life time membership, Association of Microbiologist of India.