

## **CURRICULUM VITAE**

**Name** : Dr. Ashok Kumar Yadav  
**Designation** : Assistant Professor  
**Department** : Centre for Molecular Biology  
**Email** : akyadav@cuammu.ac.in  
: ashok.ndri@gmail.com  
**Phone** : +91-8008073163 (M)



### **AREA OF RESEARCH**

- Molecular Biology; Gene cloning and expression, Gut microbiology; Probiotic

### **EDUCATIONAL QUALIFICATIONS**

- **PhD (Biotechnology)** - 2013, HNB Garhwal University, Srinagar, Uttarakhand, India.
- **M.Sc. (Biotechnolog)** - 2005, Kumaun University, Nainital, Uttrakhand, India.
- **B.Sc. (Biology)** - 2000, VBS Purvanchal University Jaunpur, Uttar Pradesh, India.

### **DETAILS OF EMPLOYMENT**

- **Assistant Professor** : From July 22<sup>nd</sup> 2016 - Present, Centre for Molecular Biology, Central University of Jammu, J&K, India.
- **Scientist (R&D)** : From December 2<sup>nd</sup> 2015 - 21<sup>st</sup> July 2016, Srvotham Care Limited, Hyderabad,-500003,Telangana, India
- **Postdoctoral Fellow:** From June 26<sup>th</sup> 2013 - December 1<sup>st</sup> 2015, Division of Microbiology and Immunology, National Institute of Nutrition, Hyderabad, India,
- **DBT-Research Associate:** From July 2<sup>nd</sup> 2012 – June 21<sup>st</sup> 2013 - Animal Biotechnology Center, National Dairy Research Institute, Karnal, India..

### **FELLOWSHIP/AWARD**

- National Eligibility Test (NET) - 2014
- ICMR-Postdoctoral Fellowship - 2013

- DBT-Research Associate Fellowship - 2012

## MEMBERSHIP

- Lifetime member of Probiotic Association of India, NDRI, Karnal.
- Lifetime member of Nutrition Society of India, NIN, Hyderabad.

## RESEARCH PUBLICATIONS

1. **AK Yadav**, A Tyagi, JK Kaushik, AC Saklani, S Grover, VK Batish. (2013). Role of surface layer collagen binding protein from indigenous *Lactobacillus plantarum* 91 in adhesion and its anti-adhesion potential against gut pathogen. **Microbiol. Res.** 168(10):639-645.
2. **AK Yadav**, A Tyagi, AC. Saklani, S. Grover, VK. Batish. (2014). Molecular Cloning and Sequence characterization of Collagen Binding Protein from *Lactobacillus plantarum* Strain of Human Origin. . **Int. J. Probiot. Prebiot.** 9(3): 101-108.
3. **AK Yadav**, A Tyagi, A Kumar, S Grover, AC Saklani, VK Batish. (2015). Adhesion of Indigenous *Lactobacillus plantarum* to Gut Extracellular Matrix and its Physico-chemical Characterization. **Arch Microbiol.** 197(2):155-164.
4. **AK Yadav**, A Tyagi, A Kumar, S Panwar, S Grover, AC Saklani, R Hemalatha, VK Batish (2015). Adhesion of *Lactobacilli* and their anti infectivity potential. **Critic. Rev. Food Sc. Nutri.** DOI: 10.1080/10408398.2014.918533.
5. **AK Yadav**, K. Kumar, M. Verma, M Kumar, M Kumar (2014). Designing of Species-specific inhibition: The cysteine residues of triosephosphate isomerase. **Basic Res. J. Medi. Clinic. Sc.** 3(6): 62-66.
6. Kumar M, **Yadav AK**, Verma V, Singh B, Mal G, Nagpal R, Hemalatha R (2016). Bioengineered probiotics as a new hope for health and diseases: an overview of potential and prospects. **Future Microbiol.** (11(4), 585–600).
7. A Tyagi, A. Kumar, **AK. Yadav**, AC Saklani, S. Grover , VK. Batish. (2016). Functional expression of recombinant goat chymosin in *Pichia pastoris* bioreactor cultures: A commercially viable alternate. **LWT - Food Science and Technology.** 69: 217e224.
8. R. Nagpal, M. Kumar, **AK Yadav**, R. Hemalatha, H. Yadav, F. Marotta, Y.Yamashiro. (2015). Gut Microbiota in health disease: An overview focused on metabolic inflammation. **Benef Microbes.** 2016; 7(2): 181- 94.

9. R Hemalatha, M Kumar, **AK Yadav**, SR. Varikuti, R Nagpal, Y Yamashiro, F Marotta (2014). Potential of probiotics as a versatile remedy for women's urogenital health: An optimistic perspective. *Int. J. Probiot. Prebiot.* 9(1): ISSN 1555-1431.
10. P.K. Dubey, S. Goyal, S.K. Mishra, **A.K. Yadav**, P. Kathiravan, R. Arora, R. Malik, R.S. Kataria (2015). Association analysis of polymorphism in thyroglobulin gene promoter with milk production traits in riverine buffalo (*Bubalus bubalis*). *Meta Gene* 5 (2015) 157–161.
11. PK Dubey, S Goyal, **AK Yadav**, BR Sahoo, N Kumari, SK Mishra, SK Niranjana, R Arora, M Mukesh, RS Katari. (2014). Genetic diversity analysis of the thyroglobulin gene promoter in buffalo and other bovines. *Livestock Science*. 167: 65–72.
12. K Kumar, M Kumar, M Verma, **AK Yadav**, Q Uddin (2013). Anti-wolbachia: A herbal approach to treatment of Filariasis. *Spatula DD*. 4(2):101-108.
13. NCBI gene submitted: Accession nos (10): GQ373153, GQ340730, GQ922598, JF730128, JF730127, JQ782408, JQ782409, JQ782410, JQ782411

#### POSTERS/CONFERENCES/WORKSHOPS

1. Yadav AK Oral presentation of the paper entitled “Display of heterologous HSBP protein of *H. pylori* with modified pSIP503 vector on surface of food grade *L. rhamnosus* GG strain. 47<sup>th</sup> Annual National Conference of Nutrition Society of India “Nutrition and Agriculture- The Connect and disconnect” from 9-10 October 2015 at National Institute of Nutrition, Hyderabad.
2. Yadav AK participated in National seminar/workshop on “Recent practices for the improvement of animal welfare” during World Laboratory Animal Day Celebration on 25 April, 2015 at National Institute of Nutrition, Hyderabad
3. 45<sup>th</sup> Annual National Conference of Nutrition Society of India “Inter-sectoral Application to Promote Food and Nutrition Security” from 21-22 November 2013 at National Institute of Nutrition, Hyderabad.
4. International workshop on “Transcriptomics, proteomics and structural biology” from 27-29 Feb 2012 at Animal Biotechnology Center, NDRI, Karnal.
5. AK Yadav, R. Kumar, R. Bajaj, R.R.B. Singh, A.K. Mohanty, Jai K. Kaushik 2012. Molecular cloning, expression and characterization of aminopeptidase (*pepx* and *pepq*) from *Lactobacilli* strains. November, 16-19, ICFDF-2012, NDRI Karnal.

6. AK Yadav Participated in National conference on “Current trends in Biotechnology-2012.
7. AK Yadav, A. C. Saklani, S. Grover, V.K. Batish. 2011. Adhesion properties of lactobacilli strains to the components of extra cellular matrix (ECM). Recent advance in chemical and environmental sciences. Feb 28-1 march.
8. AK Yadav, P.K. Dubey, N.K. Yadav, P. Kathiravan, B.P. Mishra, R.S. Kataria, 2010. Sequence Characterization and detection of Polymorphism in IGF1 and CAST gene regulating Meat quality and muscle growth in Indian Buffalo (*Bubalus bubalis*). 1–4 January, 2010 NASC, New Delhi, India.
9. Tyagi, A., AK Yadav, Kaushik JK., Mohanty, AK., Grover, S., and Batish, VK. 2008. Screening of lactobacilli for probiotic attributes and their molecular characterization. 2nd International Conference on Trends in Cellular and Molecular Biology held from 5th to 7th January, 2008 at School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.
10. AK Yadav, Panday V. 2006. Fluorescence Studies of DNA and Biological Probe Molecules in Polymer and Gels. Kumaon University, Uttarakhand, India. Workshop on IPR at Kumaun university, Nainital, India
11. AK Yadav 2005. Participated in National conference on “Recent trends in fluorescence spectroscopy and its application” on December 1-3, 2005 Kumaon University, Nainital, India.