

PERSONAL PROFILE

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NAME: Dr Anita Kumari

HUSBAND: Dr Shree Prakash

DATE OF BIRTH: 13th Aug, 1984

EDUCATIONAL DETAILS:



- Doctor of Philosophy in Zoology (2016), Biochemistry and Molecular Biology Laboratory, Department of Zoology, Banaras Hindu University, Varanasi
- Master of Science (2008), Banaras Hindu University, Varanasi with 81.3%
- Bachelor of Science and Bachelor of Education (2006), Regional Institute of Education NCERT, Bhubaneswar with 77.3%
- Intermediate (2001), Kendriya Vidyalaya, HFC, Barauni with 80.4%
- High School (1999), Kendriya Vidyalaya, HFC, Barauni with 77.2%
- Diploma in computer applications

AWARDS / ACHIEVEMENTS:

1. Junior Research Fellowship-National Eligibility Test in Life Sciences (June 2008), organized by Council of Scientific & Industrial Research, New Delhi.
2. Graduate Aptitude Test in Engineering in Life sciences (2008), organized by Indian Institute of Sciences, Bangalore.
3. Prof. M. S Kanungo Gold Medal and late Ram Krishna Reddy Memorial prize for securing first position among those who offered 'Biochemistry' as special paper in M.Sc. (Final), Zoology Examination, 2008.
4. Best panelist award in panel discussion" during international symposium on Neurodegeneration and Brain aging: Basic Science to Therapy, 2009.
5. Best poster award" in the Poster presentation session during International symposium on Brain Aging and Dementia, Basic and Translational Aspects (29th - 30th Nov 2010, BHU, Varanasi).
6. Best participant prize in M.Sc. seminar series 2007-08 Organized by Dept of Zoology, Banaras Hindu University
7. Third school topper in Intermediate examination (highest marks in biology in Patna region)
8. Awarded certificate of merit for participation in extra-curricular activities (sports, quiz, speech, poem recitation, essay writing, skit, hostel chief prefect etc)

TRAINING/WORKSHOP

1. Attended IBRO-APRC School of Neuroscience, "Molecular Advancement in Neurobiology" (Sep 5th -20th, 2015, DBT-BHU ISLS, BHU, Varanasi).
2. Attended IBRO-APRC Associate School on "Emerging Trends in Neuroscience: Molecular and Cellular Approaches" at Dept. of Zoology, BHU, Varanasi from 19-23 Oct 2013.
3. Participated in the National Academy of Sciences, India (Varanasi Chapter) workshop on "Writing Research Papers", Organized by Banaras Hindu University, Varanasi, June 10-11, 2011.
4. Worked as student resource person in Neurobiology Workshop on Applications of Bioinformatics and Proteomic Techniques in Neurobiology, Organized under the auspices of Biochemistry Thrust Area of CAS Programme, Department of Zoology, Banaras Hindu University, Varanasi, India, September 07-21, 2009.

5. Attended one week DST sponsored workshop on “Recent techniques in study of neurological disorders” in NEUROCON-2009 at Dept. of Biochemistry, IPGME&R, Kolkata, 2-7 February, 2009.
6. Attended “National Workshop on Research and communication (4th to 10th January, 2020) Organised by Mahatma Gandhi Kashi Vidyapith, DR. Vibhuti Narayan Singh Campus, Gangapur, Varanasi.
7. Participated and Presented an paper at International Conference on Current Perspectives of Biochemistry in Health and Disease, Organized by Biochemistry thrust area under UGC-CAS Program, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi, during January 11-12, 2020.
8. Participated in International level webinar on “COVID-19” Changing Research Scenario” Organised by Swatantrata Sangram Senani Vishram Singh, Government Post Graduate College, Chunar, Mirzapur.
9. Participated in National Seminar on Uchcha Siksha ka Badalta Swaroop-corona 19 Organised by Jham Baba P.G.College Surjapur Ambedkar Nagar in collaboration with Institute of Engineering and Technology, Uttar Pradesh, 30th May, 2020.
10. Participated in Global Web conference “Pandemic Covid-19 : Global Impact on Environment and Sustainable Development (PESD 2020) Organized by Internal Quality Assurance Cell (IQAC) DDU Govt. P.G. College Saidabad, Prayagraj (U.P.), India in association with Global Environment and Social Association (GESA), New Delhi, 03 June, 2020.”
11. Participated in International Webinar on COVID-19, Challenges and Perspectives Organised by Department of Botany, Digvijai Nath Post Graduate College, Gorakhpur, (U.P.) India, dated 03 June, 2020.
12. Participated in National webinar on Implementation of National Education Policy-2020 in Higher Education, Organized by IQAC & B.Ed. Department Digvijai Nath Post Graduate College, Gorakhpur, (U.P.) India, dated 07 & 08 September, 2020.

TECHNIQUES AND SKILLS KNOWN

1. SDS-PAGE, western blotting, Immunofluorescence analysis, Immunohistochemistry, Eosin and hematoxylin staining
2. RNA isolation, Reverse transcription PCR, Real time PCR, In-situ hybridization
3. Plasmid isolation and restriction digestion
4. Rapid Golgi staining
5. Enzyme assays (Acetylcholine esterase assay, LDH, SOD, Catalase etc)
6. Behavioural studies (Open field test, Elevated plus maze, Y-maze, Novel object recognition test, Morris water maze test)
7. Software knowledge (ANY-maze software, SPSS software, Adobe photoshop)

MEMBERSHIP OF PROFESSIONAL BODIES

1. Life Membership of Indian Academy of Neuroscience
2. Life Membership of Society for Neurochemistry (India)

FUTURE GOALS: I want to be a good teacher. Teaching aims at producing ignited minds for building an ideal society which is the need of present hour for taking human civilization ahead in terms of materialistic as well as spiritual development. In addition to imparting knowledge about the basic tenet of ones' domain areas, it calls for producing newer thoughts by resorting to research and development in a more organized way to keep pace with the scientific innovations the world over in a knowledge oriented society.

With the advent of technologies world is shrinking but the distance between human beings is increasing which causes social isolation leading to lop-sided development of human society which in turn causes anxiety and depression. Therefore, I want to pursue research in this area.

RESEARCH ARTICLES PUBLISHED

Kumari, A and Thakur, MK, Age-dependent decline of Nogo-A protein in the mouse cerebrum, Cell Mol Neurobiol, 34, 1131-41, 2014.

Kumari, A, Singh, P, Baghel, MS and Thakur, MK, Social isolation mediated anxiety like behavior is associated with enhanced expression and regulation of BDNF in the female mouse brain, Physiol Behav, 158, 34-42, 2016.

Science Education in India: An Overview (Book Chapter 37)-“Higher Education and Job Opportunities in Rural Areas Edited by Dr. Shree Praksh.”

ABSTRACTS PUBLISHED IN CONFERENCES

Kumari, A and Thakur, MK, Role of Nogo-A in learning and memory, the International Symposium on Neurodegeneration and Brain Aging: Basic Science to Therapy, Organized by Science City, Kolkata, February 8-10, 2009.

Kumari, A and Thakur, MK, Expression of Nogo-A and its receptor in the brain of amnesic mice, the international symposium on brain aging and dementia: basic and translational aspects (Satellite of 5th FAONS & 28th IAN Congress, Organized by Brain Research Centre & DBT-ISLS, Dept of Zoology, Banaras Hindu University, Varanasi (India), November 29-30, 2010.

Kumari, A and Thakur, “Anxiety like behavior mediated by Social isolation is associated with increased expression and regulation of BDNF in the female mouse brain, the International Conference on Current Perspectives of Biochemistry in Health and Disease, Organized by Biochemistry thrust area under UGC-CAS Program, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi, during January 11-12, 2020.

(Anita Kumari)