

## **PERSONAL PROFILE**

**NAME:** Dr Anita Kumari

**HUSBAND:** Dr Shree Prakash

**DATE OF BIRTH:** 13<sup>th</sup> 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



**TEACHING EXPERIENCE:** (Joined on 1st November, 2019) 3 years, 8 Months.

### **ADMINISTRATIVE EXPERIENCE:**

1. Carrying the responsibilities and functions of Incharge in the Department of Zoology since 1st November 2019.
2. Member of various College level committee such as Proctorial Board, member in IQAC committee w.e.f academic session 2021-22, Admission committee, I.P.R., Legal and Ethical matters committee, the Women Empowerment and Sexual Harassment Redressal cell committee.
3. Co-convener in English Speech Competition in Sansthapak Saptah Samaroh w.e.f session 2020-21.
4. Coordinator of Zoological Society, Department of Zoology, Digvijai Nath PG College, Gorakhpur w.e.f the session 2022-23
5. Member, Board of Studies, Department of Zoology, DDU Gorakhpur University Gorakhpur w.e.f the session 2022-2023.
6. Organized guest lecture on “Endocrinology and Overview” for the students of B.Sc. Biology, delivered by Prof Sunil Kumar Srivastava, Department of Zoology, DDU Gorakhpur University Gorakhpur on 5th February 2021.
7. Organized guest lecture on “Sericulture” for the students of B.Sc. Biology, delivered by Dr Santosh Kumar Tripathi, Department of Zoology, M.G.P.G. College, Gorakhpur on 26th March 2022.
8. Organized guest lecture on “Endocrinology: Disorders and Health Issues ” for the students of B.Sc. Biology, delivered by Prof Sunil Kumar Srivastava, Department of Zoology, DDU Gorakhpur University Gorakhpur on 22<sup>nd</sup> February 2023.
9. ACS in University Examinations.

### **MEMBERSHIP OF PROFESSIONAL BODIES**

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

3. Life Membership of Association of Gerontology (India).

### **ORIENTATION AND REFRESHER PROGRAMMES:**

1. Participated in Orientation Course, “GURU DAKSHTA : 5<sup>th</sup> Faculty Induction Programme (FIP)” Organized by UGC-Human Resource Development Centre, University of Allahabad, Prayagraj, 9<sup>th</sup> November 2021 to 8<sup>th</sup> December 2021 and secured A+ grade.
2. Participated in Refresher Course, Organized by UGC-Human Resource Development Centre, University of Hyderabad, Hyderabad, 17<sup>th</sup> to 30<sup>th</sup> October, 2022 and secured A grade.

### **RESEARCH PAPERS 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.

Book Chapter, Title: Science Education in India: An Overview, Book: Higher Education and Job Opportunities in Rural Areas Edited by Dr. Shree Prakash, Bharat Book Centre, 17, Ashok Marg, Lucknow (Publisher), ISBN: 978-81-7678-296-8.

Book chapter, Title: Xenobiotics: Definition and Overview, Book: Xenobiotics Interaction: Consequences and Remediation Edited by Dr. Nidhi Srivastava, Dr. Sushma Negi, Dr. Surbhi Kaushal, Indus Book Services Pvt. Ltd. (Publishers and Distributors) New Delhi, 2022, ISBN: 978-93-91377-53-3.

Book chapter, Title: Covid-19: Neurological and Psychological Effects (A Review Study), Book : Recent Research in Medical and Life Sciences, Edited by Dr. M. Usha Rani, Professor and Head, Department of Physiology, Andhra Medical College, Visakhapatnam, Andhra Pradesh, MKSES Publisher (India), May, 2023 ISBN No. 978-93-91248-77-2.

### **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 (29<sup>th</sup> - 30<sup>th</sup> 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 one week DST sponsored workshop on “Recent techniques in study of neurological disorders” in NEUROCON-2009 at Department of Biochemistry, IPGME&R, Kolkata, 2-7 February, 2009.
2. 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 Program, Department of Zoology, Banaras Hindu University, Varanasi, India, September 07-21, 2009.
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. Attended IBRO-APRC Associate School on “Emerging Trends in Neuroscience: Molecular and Cellular Approaches” at Department of Zoology, BHU, Varanasi from 19-23 Oct 2013.
5. Attended IBRO-APRC School of Neuroscience, “Molecular Advancement in Neurobiology” (Sep 5th - 20th, 2015, DBT-BHU ISLS, BHU, Varanasi).
6. Attended “National Workshop on Research and communication (4<sup>th</sup> to 10<sup>th</sup> January, 2020) Organised by Mahatma Gandhi Kashi Vidyapeeth, Dr. Vibhuti Narayan Singh Campus, Gangapur, Varanasi.
7. Participated in One week online FDP on Advanced Research Methodology Applicable in New Education Policy Organized by Digvijai Nath P.G. College, Gorakhpur, U.P. & Science Tech Institute, Lucknow, 22nd to 28th June, 2021.
8. Participated in One Week Online FDP on Advanced Research Methodology Applicable in New Education Policy Organized by Digvijai Nath P.G. College, Gorakhpur, U.P. & Science Tech Institute, Lucknow, 22nd to 28th June, 2022.
9. Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission on 28th February, 2023 Organized by Intellectual Property Office, India.

### **TECHNIQUES AND SKILLS KNOWN**

1. SDS-PAGE, western blotting, Immunofluorescence analysis, Immunohistochemistry, Eosin and hematoxylin staining
2. RNA isolation, Reverse transcription PCR, Realtime 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)

## **PAPER PRESENTATION IN CONFERENCES AND SEMINARS**

- “Role of Nogo-A in learning and memory” in the International Symposium on Neurodegeneration and Brain Aging: Basic Science to Therapy, Organized by Department of Biochemistry, IPGMER Kolkata, February 8-10, 2009.
- “Expression of Nogo-A and its receptor in the brain of amnesic mice” in 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.
- “Science Education in India: An Overview” in National Seminar on “Higher Education and Job Opportunities in Rural Areas” Sponsored by Department of Higher Education, Uttar Pradesh, Organized by Pt. Ram Lakhan Shukla Government Post Graduate College, Alapur, Ambedkar Nagar, 27<sup>th</sup> February 2018.
- “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.
- “Yoga and Mental Health” in two days National Seminar on the use of ICT in Yoga, Sports & Physical Education and its impact on Socio-Economic, Health and Environment, Sponsored by Department of Higher Education UP and organized by Government Degree College, Indupur, Gauri Bazar, Deoria, UP, 30<sup>th</sup> -31<sup>st</sup> March, 2022.
- “Neurological and Psychological effects of COVID-19: A Review” in International Symposium on “Recent Advances on Healthy Aging and Future Challenges & 20th Biennial Meeting of Association of Gerontology (India), 5th to 7th November 2022 organized by Biochemistry and Molecular Biology Laboratory, Department of Zoology, Institute of Science, Banaras Hindu University, Varanasi.
- “Implementation of NEP 2020 for realization of Mahamana’s Vision in Higher Education: Opportunities and Challenges” in International Conference on Mahamana’s vision and NEP-2020 organized by Faculty of Commerce, Banaras Hindu University on December 3-4, 2022.
- “Implementation of the National Education Policy-2020 in Higher Education: Opportunities and Challenges” in National Seminar on Role of NEP 2020 in the Transformation of Higher Education, Sponsored by Department of Higher Education, Government of U.P., Venue Mahamaya Govt. Degree, College Mahona, Lucknow (U.P) India, Affiliated to University of Lucknow (U.P.), 19<sup>th</sup> March 2023.
- Covid-19: Neurological and Psychological Effects (A Review Study) in 2nd International Conference on Advance Interdisciplinary Research (ICAIR-2023) Jointly Organized by Digvijai Nath Post Graduate College, Gorakhpur, UP and Science Tech Institute, Lucknow, 7<sup>th</sup> to 9<sup>th</sup> April, 2023. Abstract in conference proceeding, ISBN: 978-3-91248-63-5.

### **PARTICIPATION IN CONFERENCES AND SEMINARS**

1. International level webinar on “COVID-19” Changing Research Scenario” Organised by SwatantrataSangramSenaniVishram Singh, Government Post Graduate College, Chunar, Mirzapur, 15<sup>th</sup> May 2020.
2. National Seminar on UchchaSikshakaBadaltaSwaroop-corona 19 Organised by Jham Baba P.G.CollegeSurjupurAmbedkar Nagar in collaboration with Institute of Engineering and Technology, Uttar Pradesh, 30<sup>th</sup> May, 2020.
3. 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.”
4. International Webinar on COVID-19, Challenges and Perspectives Organised by Department of Botany, DigvijaiNath Post Graduate College, Gorakhpur, (U.P.) India, dated 03 June, 2020.
5. National webinar on Implementation of National Education Policy-2020 in Higher Education, Organized by IQAC & B.Ed. Department DigvijaiNath Post Graduate College, Gorakhpur, (U.P.) India, dated 07 & 08 September, 2020.
6. National Webinar on “Bridging the Gap between Conventional and Innovative Health Care Approaches”, April 20, 2023 organized by the Department of Zoology and Environmental Science, School of Basic and Applied Sciences, Maharaja Agrasen University, AtalShikshaKunj, Kalujhanda, Baddi, Solan (HP).
7. International Webinar on “Smart and Sustainable Materials of Technological Importance” May 22, 2023organized by School of Basic and Applied Sciences, MaharajaAgrasen University, AtalShikshaKunj, Kalujhanda, Baddi, Solan (HP) and National Defence Academy, Pune on May 22, 2023.

**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.

**(Anita Kumari)**