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EDUCATIONAL QUALIFICATION'S:

M.Tech. Bio-Informatics	Indian Institute of Information Technology, Allahabad, U.P.	2007	First Division
M.Sc. Bio-Technology	School of Life Sciences, Khandari Campus and NJIL & OMD (ICMR) (Dr. B. R. Ambedkar Univ.) Agra.	2004	First Division
B.Sc. (Botany, Chemistry & Zoology)	Agra College (Dr. B. R. Ambedkar University) Agra.	1997	First Division

PRESENT AND PAST RESEARCH & TEACHING WORK EXPERIENCES:

[1.] Worked with **JITM Clinical diagnostics Laboratory** (A unit of JITM Skills Pvt. Ltd.), on the position of **Scientific Officer cum Stock In-charge & Quality Manager** in the field of **Covid-19 diagnostics testing lab** at **JITM Clinical Laboratory** (An ICMR approved and National Accreditation Board for Testing and Calibration Laboratories (NABL) accredited laboratory), managed by **JITM SKILLS PRIVATE LIMITED**, at **Delhi-NCR** and **Jharkhand** regions from **May, 2020** till date.

[2.] Worked on **Research Associate** position on **Next-generation sequencing (NGS)** of **Picrorhiza kurua** (Katuki) related **DBT funded project** in the **Department of Biotechnology** at **Bennett University, Greater Noida, Uttar Pradesh**, from **January, 2019** to **December, 2019**.

[3.] Worked as a part time **Trainer (Bioinformatics)** position with **MSME-PPDC** from **June, 2016** to **December, 2018** at **Process and Product Development Centre, Agra, Uttar Pradesh**.

[4.] Worked on **Senior Research Analyst** position on the **“Pharm-GPS”** project in the **E.Z. BioXcel Solutions Private Limited** (BioXcel Corporation-USA based) at **Gurgaon, Haryana** from **March, 2013** to **May, 2016**.

[5.] Worked on **Research Fellow** position on the **Department of Biotechnology (DBT)** sponsored research project entitled **“Design, synthesis and evaluation of potent amino peptidase inhibitors for malarial therapy”** in the **School of Biotechnology** at the **Gautam Buddha University, Greater Noida, (U.P.)** from **September, 2012** to **March, 2013**.

[6.] Worked on **Research Fellow** position on the national project of **“Development of potential drugs from the Ocean”** in the department of **Marine Biotechnology** (in **Marine Microbiology** division) at **National Institute of Ocean Technology (Ministry of Earth Science, Govt. of India) Chennai**, from **Feb, 2011** to **June, 2012**.

[7.] Worked on **Lecturer** position at **MIET, Meerut, (U.P.T.U.)** from **January, 2010** to **December, 2010**. Class taught **B.Tech. Biotechnology**, Course taught **Bioinformatics-I (Basic)** and **Bioinformatics-II (Advance)**.

[8.] Worked on **Lecturer** position at **NIMS, University Jaipur, Rajasthan** from **August, 2007** to **December, 2009**. Class taught **B.Tech. Biotechnology** and **M.Sc. Biotechnology**.

WET LAB SKILLS: Hands-on experimental skills on modern biotechnology techniques viz., Nucleic acid isolation, molecular techniques: PCR & RT-PCR, ELISA, SDS-PAGE, Gel electrophoresis, Western blotting, rapid diagnostic test (RDT) is a medical diagnostic test, serial dilution, Microbiological Assay, Immunoassay, in Biochemistry (Spectrophotometer), HPLC (Basic), Molecular biology assays & analysis techniques and diagnostic documentation etc.

Software's/Tools used: Data Visualization with Tableau, Business Analytics, Oracle's Argus Safety, VigiFlow, Mini Tab-17, SAS (Statistical Analysis System) software nMaster 2.0, Statcraft, SPSS, Basic programming in R Bio-Conductor, CDM by Open Clinica, Next-Generation Sequencing (NGS), SwissPDB viewer, DSVisualizerPro, Cn3D, RasMol, PyMol, PyRx, Jalview, VMD, MEGA, Tree View, Clustal-X, Clustal-W, T-Coffee, Hyper Chem, Chem Bio Draw, Dragon, BIOVIA Discovery Studio, HEX, Auto Dock, MVD, Maestro-9.3 (Schrödinger), Ligbuilder, LigPlot, LigandScout, Nebcutter, NCBI (ORF-finder, BLAST, PSI-BLAST, Fasta), Staden (Gap4), ModWeb, Modeller, EMBL, SwissProt, BioEdit, Primer design by Primer3, UCLA, Open Babel, Cytoscape, KEGG, SMD, GenScan, ChemGenome, Psipred, Sable, Magpie, Mega, Genesis & other important bioinformatics software's.

Computer skill: Proficient with Microsoft office, Excel, Power Point and Internet.

Computer programming Languages known: Python, R, R Studio, SAS, Perl and C++ etc.

Platform used: Windows and Linux.

ACHIEVEMENTS: Qualified **CSIR-NET-LS (Life Science)** exam in December, **2003** which is based on national level examination conducted by Council of Scientific and Industrial Research, Govt. of India, and another national level Graduate Aptitude Test in Engineering **GATE-Life Science** exam in the year of **2005**.

► Received **MHRD-GATE fellowship** for two years (**2005-2007**) during **M.Tech. (IT) Bio-Informatics** two years degree course from Indian Institute of Information Technology (**IIIT**), Allahabad, U.P.

► Received **Genetics & Molecular Biology Award** in the field of **Molecular Diagnostics & NGS Analysis** in **5th International Conference on Innovative Approach in Applied Sciences & Technology (iCiAsT-2021)** during **03-05 December, 2021** Regd. No.: 38/2014-15 Organized at **BBAU (A Central University) Lucknow, U.P.**

► Received **Young Scientist Award** in **Bioinformatics** in **5th Global Outreach Conference on "Modern Approaches for Smart Agriculture"** (MASA-2020) during **Feb. 28 - 29 2020**, Award Certificate No.: **GOREA/2020/0063** Organized at **Shobhit University, Meerut, U.P.**

► Received **FISGBRD fellow award** in the **2nd International Conference on "NEW CHALLENGES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY IN THE CONTEXT OF 21st CENTURY (NCBMBCC)"** from **INDIAN SOCIETY OF GENETICS, BIOTECHNOLOGY RESEARCH AND DEVELOPMENT** at **ST. JOHN'S COLLEGE, AGRA** during **Feb. 27th - 29th 2016**, Fellow ISGBRD No. 0007 & Regd. No. AG-49442.

PROJECT'S UNDERTAKEN DURING POST GRADUATE COURSE'S

[1.] Project: Actively participated and successfully completed a six months research-based project work on **"Cross Reactivity of HIV among Leprosy & TB Patients"** during M.Sc. Biotechnology two years degree course under the supervision of Dr. Tahziba Hussain from **NATIONAL JALMA INSTITUTE FOR LEPROSY AND OTHER MYCOBACTERIAL DISEASES (ICMR), Taj Ganj, Agra.**

[2.] Project: Actively participated and successfully completed a six months research-based project work on **"Insilco study of Tyrosine Kinase active site and Angiogenic Inhibitors"** during M.Tech. Bioinformatics two years degree course under the supervision of Emeritus Prof. Krishna Misra from **I.I.I.T, Allahabad, U.P.**

PUBLISHED ABSTRACT'S

(1.) Published & presented an abstract & posters as a main author in the “**International conference on DRUG DESIGN: ICDD 2017**” on the topic of “**Insilco study of functionalized nanoparticle for the treatment of human Prostate Cancer cells**” during April 7th-9th, 2017, organized by Schrödinger at Jawaharlal Nehru University, New Delhi.

(2.) Published & presented an abstract as a main author in SOUVENIR ISBN Number: 978-93-85087-00-4 on the topic of “**CROSS-REACTIVITY TO HIV STRUCTURAL PROTEINS IN THE SERUM SAMPLES FROM MYCOBACTERIUM LEPRAE INFECTION PATIENTS**” in the **national conference** on “Transpiring Novelty & Hi-Tech Knowledge in Advanced Research in Pharmaceutical Sciences” during December, 29th & 30th 2015 organized by Teegla Krishna Reddy College of Pharmacy (TKRPS) in association with Scientific & Applied Research Center (SARC) Hyderabad.

(3.) Published abstract as a co-author in SOUVENIR ISBN Number: 978-93-85087-00-4 on the topic of “**Current Problems and Future Prospective of Pharmacovigilance in India**” in the **national conference** on “Transpiring Novelty & Hi-Tech Knowledge in Advanced Research in Pharmaceutical Sciences” during December, 29th & 30th 2015 organized by Teegla Krishna Reddy College of Pharmacy (TKRPS) in association with Scientific & Applied Research Center (SARC) Hyderabad.

(4.) Published abstract as a co-author in SOUVENIR ISBN Number: 978-93-85087-00-4 on the topic of “**CULTURE FREE QUANTATIVE DETECTION OF Salmonella FROM FRUIT JUICE USING MILK PROTEIN COATED CHARCOAL ADSORBENT**” in the **national conference** on “Transpiring Novelty & Hi-Tech Knowledge in Advanced Research in Pharmaceutical Sciences” during December, 29th & 30th 2015 organized by Teegla Krishna Reddy College of Pharmacy (TKRPS) in association with Scientific & Applied Research Center (SARC) Hyderabad.

PUBLISHED PAPERS

(1.) As a **co-author** accepted a research paper on the topic of “**NANOPARTICLES PLAY MULTIPLE ROLES IN TARGETED DRUG DELIVERY SYSTEM IN THE TREATMENT OF PROSTATE CANCER IN MODERN TRENDS**” in the International Journal, World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS) in the year of 2016 in VOLUME 5, AUGUST, ICV-6.21, Issue 8, Page No. 1915-1928, ISSN: 2278-4357, SJIF Impact Factor 6.041, DOI : 10.20959/wjpps20169-7537.

(2.) As a **co-author** accepted a research paper on the topic of “**NANOPARTICLES AS DRUG DELIVERY SYSTEM IN MODERN TRENDS**” in the International Journal, World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS) in the year of 2016 in VOLUME 5, FEBRUARY Issue 2, Page No. 1117-1193, ISSN: 2278-4357, SJIF Impact Factor 5.210.

(3.) As a **co-author** accepted a research paper on the topic of “**ANTIMICROBIAL SUSCEPTIBILITY PATTERN AMONG BACTERIAL STRAINS ISOLATED FROM SOIL CONTAMINATED BY PAPER INDUSTRY AND ITS INDUSTRIAL APPLICATION**” in the International Journal, World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS) in the year of 2016 in VOLUME 5, FEBRUARY Issue 2, Page No. 1227-1237, ISSN: 2278-4357, SJIF Impact Factor 5.210, DOI : 10.20959/wjpps20162-6105.

(4.) As a **co-author** accepted a research paper on the topic of “**MONITORING OF INDOOR MICROBIAL DISTRIBUTION PATTERN IN RURAL VS. URBAN AREAS OF MEERUT REGION**” in the International Journal, World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS) in the year of 2016 in VOLUME 5, FEBRUARY Issue 2, Page No. 1194-1202, ISSN: 2278-4357, SJIF Impact Factor 5.210, DOI:10.20959/wjpps20162-6068.

(5.) As a **co-author** published a review article on the topic of “**CURRENT PROBLEMS AND FUTURE PROSPECTIVE OF PHARMACOVIGILANCE IN INDIA**” in the International Journal, World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS) in the year of 2016 in VOLUME 5, JANUARY Issue 1, Page No. 479-489, ISSN: 2278-4357, SJIF Impact Factor 5.210.

REFRESHER COURSE/ TRAININGS/ CONFERENCE'S/ SEMINAR'S/ WORKSHOP'S ATTENDED

(1.) Actively participated and successfully completed **one-week** online short term training program on “**BSL-3 Laboratory working practices and Mycobacterium tuberculosis handling protocols**” during 27th January – 2nd February, 2022 from Biosafety level-III facility in the department of Biochemistry, University of Delhi, South Campus.

(2.) Actively participated and successfully completed four days online short term training program on “**Internal Auditor and Quality Management System training program based on ISO 15189:2012**” during 28-31-July-2021 from Medical Education & Learning Point (MELAP).

(3.) Actively participated and successfully completed one day online program on “**Clinical Lab Infection Control Program**” during 27-July-2021 from Medical Education & Learning Point (MELAP).

(4.) Actively participated and successfully completed online training program on “**Internal Auditor (Integrated Management System)**” during 24.07.2021 to 15.08.2021 (On Weekend) from MSME at Process and Product Development Centre (PPDC), Agra, Uttar Pradesh.

(5.) Actively participated and successfully completed two days online training program on “**Covid-19 Molecular Biology including lab & patient safety**” during 22-23-July-2021 from Medical Education & Learning Point (MELAP).

(6.) Actively participated and successfully completed one day online training program on “**Inspection & Quality Control**” during 18 July-2021 from MSME at Process and Product Development Centre (PPDC), Agra, Uttar Pradesh.

(7.) Actively participated and successfully completed one day hands on training on “**CFX-96 Touch Real Time PCR & CFX Mastero 1.1 Software**” during 18 June-2021, training organized by **Bio-Rad Laboratories** (India) Pvt. Ltd. at JITM Diagnostics, Ranchi, Jharkhand.

(8.) Actively participated and successfully completed **one-week** short term hand-on training course on “**Machine Learning and Its Application**” during 2nd February to 7th February, 2019 in collaboration with IEEE-GBU Student Branch (STTP- MLA' 19) organized by Gautam Buddha University, in the School of Information and Communication Technology, GBU, Greater Noida, sponsors and support by DRDO, CSI, IEEE Educational Activities Delhi Section.

(9.) Actively participated and successfully completed **five days** hand-on short term ICT based training program on “**Data Science using R**” during **November, 26 - 30, 2018** organized by Gautam Buddha University, in the School of Information and Communication Technology, GBU, Greater Noida, sponsors by NITTTR, Chandigarh.

(10.) Actively participating in the Science academies **twelve days** refresher course on “**Experimental Approaches to Molecular Microbiology and Cell Biology**” sponsored by Indian Academy of Sciences, Bengaluru, Indian National Science Academy, New Delhi and The National Academy of Sciences, Allahabad, India. Organized by School of Life Sciences, Manipal University, Manipal during **20th November – 2nd December 2017** in the School of Life Sciences, Manipal University, Manipal.

(11.) Actively participated and successfully completed two days short term training program on “**Good Clinical Practice (GCP)**” conducted at ESIC & Medical College & Hospital, Faridabad on **August 10-11, 2017** organized by Clinical Development Services Agency (CDSA) a unit of Translational Health Science & Technology Institute (THSTI), Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India.

(12.) Actively participated and successfully completed **ten days** short term training program on “**Basics and Regulatory Aspects of Pharmacovigilance: Striving for Excellence**” from INDIAN PHARMACOPOEIA COMMISSION, National Coordination Centre-Pharmacovigilance Programme of India (PvPI), MINISTRY OF HEALTH & FAMILY WELFARE, GOVERNMENT OF INDIA, GHAZIABAD during **16th -25th January, 2017**.

(13.) Actively participated and successfully completed **one-week** hand-on short term training program on ***“Introduction to Perl Programming Language for Biologists”*** from Bioinformatics Center, Department of Biochemistry, Pt. J.N.M. Medical College Raipur, Chhattisgarh during **7th-13th November 2016**.

(14.) Actively participated and successfully completed **one-week** hand-on short term training program on ***“Clinical Trials”*** from CMC Vellore, Tamil Nadu during **October 17th-22nd, 2016**.

(15.) Actively participated and successfully completed three days hand-on short term software training program on fundamentals of CDM ***“Clinical data Management-programming with Open Clinica”*** training course from CMC Vellore, Tamil Nadu during **June 01st-03rd, 2015**.

(16.) Actively participated and successfully completed **five days** hand-on short term software training program on ***“Clinical SAS Programming, on SAS (Statistical Analysis System) software & nMaster 2.0 software”*** training course from CMC Vellore, Tamil Nadu during **June 10th-14th, 2013**.

(17.) Actively participated and successfully completed three days hand-on short term training program on ***“APPLICATION OF STATISTICAL SOFTWARES IN MEDICAL RESEARCH” in the DIVISION OF EPIDEMIOLOGY AND BIOSTATISTICS (CENTRAL COMPUTATION)”*** at the INSTITUTE OF CYTOLOGY AND PREVENTIVE ONCOLOGY (ICPO) ICMR, Department of Health Research (MOHFW) during **August 05th-07th, 2013 at NOIDA (U.P.)**.

(18.) Actively participated and successfully completed four days training program on ***“PROJECT MANAGEMENT”*** during **12th-15th January, 2016**, conducted by Ministry of Micro, Small and Medium Enterprises-Technology Development Centre, PPDC, Government of India, Agra at MSME TDC (PPDC) Foundary Nagar, Agra, U.P.

(19.) Actively participated and successfully completed **eight days** weekend training program on ***“SIX SIGMA BLACK BELT CERTIFICATION”*** during **October-November, 2015**, conducted by Ministry of Micro, Small and Medium Enterprises-Technology Development Centre, PPDC, Government of India, Agra at TAI Infotech Pvt. Ltd. in Noida, Uttar Pradesh.

(20.) Actively participated and successfully completed **three months** online certification course in ***“INTELLECTUAL PROPERTY RIGHTS AND INFORMATION TECHNOLOGY IN THE INTERNET AGE”*** (in 32nd Batch from 15th April, 2015 to 15th July, 2015) with A grade marks from The Indian Law Institute (Deemed University), New Delhi.

(21.) Actively participated and successfully completed **three months** online certification course in ***“General Course on Intellectual Property”*** from WIPO - World Intellectual Property Organization during **February, 01st-April 28th, 2013**.

ATTENDED NATIONAL AND INTERNATIONAL CONFERENCE'S

(1.) Actively participated and successfully completed two days ***“International Virtual Conference on Green Chemistry for Clean Environment”*** organized during 03-04th Oct. 2020 at Department of Chemistry, Pacific College of Basic and Applied Sciences, PAHER University, Udaipur (Raj.).

(2.) Actively participated and successfully completed three days ***“International conference on DRUG DESIGN: ICDD 2017”*** organized by Schrödinger held during APRIL 7th-9th, 2017 at Convention Centre, Jawaharlal Nehru University, New Delhi.

(3.) Actively participated and successfully completed three days ***International Conference on “Global Initiatives in Applied Sciences and Green Technologies”*** jointly organized by Scientific Educational Research Society (SERS) and SRM University, Delhi-NCR campus, Ghaziabad (UP) held during 09th-11th September, 2016 at SRM University, Delhi-NCR campus, Ghaziabad (UP).

(4.) Actively participated and successfully complete two days ***National Conference on “Nanotechnology in Agriculture, Energy & Medicine”*** held during 11th & 12th March, 2016 organized by the Nano Science & University Industry Interface Cell (UIIC) at Central University of Gujarat, Gandhi Nagar, Gujarat.

(5.) Actively participated and successfully completed two days **National Conference** on “**Pharmacovigilance of Clinical Pharmacist**” in collaboration with Scientific Agricultural Research Committee (SARC) Sponsored by Govt. Of India Department of Science & Technology, Ministry of Science & Technology held during 4th & 5th March, 2016 at Vishwa Bharathi College of Pharmaceutical Sciences, Perecherla, Guntur, Andhra Pradesh.

(6.) Actively participated and successfully completed three days 2nd **International Conference** on the topic of “**NEW CHALLENGES IN BIOTECHNOLOGY AND MOLECULAR BIOLOGY IN THE CONTEXT OF 21st CENTURY (NCBMBCC)**” organized by INDIAN SOCIETY OF GENETICS, BIOTECHNOLOGY RESEARCH AND DEVELOPMENT held during February 27th-29th, 2016 at ST. JOHN'S COLLEGE, AGRA.

(7.) Actively participated as an evaluator in two days **National Conference** on the topic of “**Transpiring Novelty & Hi-Tech Knowledge in Advanced Research in Pharmaceutical Sciences**” held on 29th & 30th December, 2015 at Teegla Krishna Reddy College of Pharmacy, Hyderabad, A.P.

(8.) Actively participated and successfully completed two days **National Conference** on the topic of “**Biolife: The Amalgamation of Multidisciplinary Life Sciences**” (NCBL-2013) held on 09th-10th March, 2013 at the Shruti Auditorium, SGPGIMS (Sanjay Gandhi Postgraduate Institute of Medical Sciences) Lucknow, U.P.

NATIONAL AND INTERNATIONAL SEMINAR'S ATTENDED

(1.) Successfully participated in three days **national seminar cum workshop** on the topic of “**RNAseq – from library establishment to data analysis**” organized by the department of Bioinformatics, Pondicherry University & sponsored by DBT, Govt. of India from February 16th-18th, 2022.

(2.) Successfully participated in one day 1st **National Seminar** on the topic of “**Green Biotechnology and its Impact on Indian Economy**” held on 14th Feb 2019 at Department of Biotechnology, Bennett University, Greater Noida.

(3.) Successfully participated in one day **National Seminar** on the topic of “**India's Nano Pharmaceutical Needs - challenges & opportunities**” held on March 18th, 2016 at Vishnu Institute of Pharmaceutical Education and Research (VIPER), Narsapur, Medak, Telangana.

(4.) Successfully participated in the two days **International Seminar** on the topic of “**Indo-Russian International seminar on recent trends in applied bioinformatics and medi-informatics**” held during November 06th & 07th, 2005 organized by I.I.I.T, Allahabad, U.P.

NATIONAL AND INTERNATIONAL SYMPOSIUM ATTENDED

(1.) Actively and successfully participated in International symposium on “**Bioinformatica Indica 2022**” on the date of 6 to 8 January, 2022 organized by the department of computational Biology & Bioinformatics, University of Kerala.

(2.) Actively and successfully participated in two days INTERNATIONAL SYMPOSIUM on “**HEALTH ANALYTICS AND DISEASE MODELING (HADM 2018)**” on the date of MARCH 8-9, 2018 at NATIONAL ACADEMY OF MEDICAL SCIENCES AUDITORIUM, ANSARI NAGAR, NEW DELHI, CO-ORGANIZERS: PUBLIC HEALTH DYNAMICS LABORATORY (PHDL), UNIVERSITY OF PITTSBURGH, USA and ICMR - NATIONAL INSTITUTE OF MEDICAL STATISTICS (NIMS), NEW DELHI.

(3.) Actively and successfully participated in one day national symposium on “**Quality Management in Laboratory Investigations & Hematological Disorders**” on the date of 25th July, 2017 at Pt. J.N.M. Medical College Raipur, Chhattisgarh.

(4.) Actively and successfully participated in one day symposium on “**Emerging Trends in Bioinformatics & Health Informatics**” held on the date of 16th May, 2017 organized by Indraprastha Institute of Information Technology, Delhi, at the Center for Computational Biology, Academic Block, IIIT- Delhi.

(5.) Actively and successfully participated in one day symposium on “**Challenges in Tuberculosis Diagnosis and treatment**” held on 30th March, 2016, organized by Division of Clinical Microbiology and Molecular Medicine, Department of Laboratory Medicine, All India Institute of Medical Sciences (AIIMS) New Delhi.

(6.) Actively and successfully participated in five days “**Young Scientist Conclave**” in the India International Science Festival (IISF-2016) held on December 07th - 11th 2016, organized by CSIR-NPL, New Delhi.

NATIONAL AND INTERNATIONAL WEBINAR ATTENDED

(1.) Successfully participated and completed the virtual meet on ***“Emerging Trends in Translational Application of Stem Cell Research”*** Jointly organized by **Stem Cell Facility (SCF), AIIMS, New Delhi, India**, Flow cytometry Solutions (P) Ltd, Jaipur, India Septroum Life Sciences, Faridabad, India during **25th – 27th FEBRUARY, 2022**.

(2.) Successfully participated in **one day** national webinar on ***“An Expert talk” on “Process of Innovation development & technology readiness level (TRL) and Commercialization of Lab Technologies & Tech-Transfer”*** Organized by Kumaun University Innovation & Incubation Centre (KU-IIC), Nainital on **4th February, 2022**.

COURSE WORK CERTIFICATION ATTENDED

Successfully participated and completed second course work certificate in ***“International Training on Authorship, Research Methodology and Scopus Free Publication Process”*** (TARMS - 2022), from **09th February to 16th February, 2022**, Organized by: Eudoxia Research Centre and Eudoxia Research University – USA & Eudoxia Research Centre, India.

WORKSHOP'S ATTENDED:

(1.) Successfully participated in **one week** national hands-on workshop on ***“Cell Culture Techniques”*** sponsored by the **PPDS** held at **NIPER-Hyderabad**, from **8th -12th February, 2021**.

(2.) Successfully participated in **One-week** short Course/FDP on ***“Computational Biology and Translational Bioinformatics”*** held during 30th September-04th October, 2019 at EICT Academy, ECE Department, Indian Institute of Technology Roorkee, Uttarakhand.

(3.) Successfully participated in **One Week** National Workshop on ***“Artificial Intelligence–Machine Learning with Python”*** held during 16th -20th September, 2019 at Department of Computer Science (In association with AICTE) BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, (A CENTRAL UNIVERSITY), LUCKNOW.

(4.) Successfully participated in three days training on ***“HPLC method development & Validation”*** held on August 21 to 23, 2019 at ICMR-Regional Occupational Health Centre (Eastern), Kolkata.

(5.) Successfully participated in two days regional workshop on ***“BIOLOGICAL DIVERSITY LAWS IN INDIA”*** held during April 25 and 26, 2019 at School of Law, Bennett University, Greater Noida.

(6.) Successfully participated in one-day workshop on ***“Importance of Intellectual Property for growth of Industry”*** on 15th of February, 2019 at K & S Partners Office, Gurgaon, Haryana.

(7.) Successfully participated in three-day's ***“Workshop on Ethics”*** from 17th–19th December, 2018 at PHFI, Gurgaon, Haryana.

(8.) Successfully participated in the **five-day's** lectures and practical training hands-on ***“National Workshop on Computation for Biomedicine and Healthcare”*** from 10th-14th December, 2018 organized by Indraprastha Institute of Information Technology, Delhi, at the Center for Computational Biology, Academic Block, IIIT-Delhi.

(9.) Successfully participated in the **five-day's** residential practical training hands-on national workshop on ***“Advanced Molecular Bio-Techniques-2018 (NAMB-2018)”*** from 13th-17th November, 2018 at Chhatrapati Shahu Ji Maharaj University, Kanpur.

(10.) Successfully participated in **seven day's** national workshop on ***“Basic Techniques in Microbiology”*** from 11-17 October, 2018 organized by faculty of Science, Dayanand Girls' P.G. College, Kanpur, Under the star college scheme of department of Biotechnology, Ministry of Science & Technology, Govt. of India.

(11.) Actively participated and successfully completed four-day's national training workshop on ***“A Journey towards system biology: Biocomputing of Hi-throughput Omics Data”*** from 08-11 October, 2018 in the Department of Molecular Biology & Genetic Engineering, College of Basic Sciences & Humanities, G B Pant University of Agriculture & Technology, Pantnagar, Udham Singh Nagar.

(12.) Actively participated and successfully completed **five-day's** residential practical training hands-on workshop on ***“Basics of Next Generation Sequencing”*** from 20-24 August, 2018 in the Institute of Bioinformatics and Applied Biotechnology (IBAB) at Electronic City, Bengaluru.

(13.) Actively participated and successfully completed **five-days** residential practical training workshop titled **"CRISPR/Cas9 genome editing in model and non-model organisms from theory to the bench"** from 24th to 28th May, 2018 with an **Oral presentation** on the given research topic related to **CRISPR/Cas9**, organized by the Department of Life Sciences, School of Natural Sciences, Shiv Nadar University (SNU), Dadri, Gautam Buddha Nagar, Uttar Pradesh.

(14.) Actively participated and successfully completed **seven days** hand-on national workshop on **"Animal Cell Culture: Techniques and Applications (ACCTA-2018)"** from the date of 18th to 24th January, 2018 & Oral presentation on the topic entitled: Culture of Tumor Cells organized by Department of Biotechnology, Guru Ghasidas Vishwavidyalaya (Central University), Bilaspur, Chhattisgarh.

(15.) Actively participated and successfully completed **five days** short term GIAN (Global Initiative for Academic Networks) training program on **"Nanomedicine with nanoparticle-based diagnostics and therapy"** under the scheme of Ministry of Human Resource & Development (MHRD) in the board area of: Life Sciences, Healthcare, Chemical, Bio-Chemical & Material Sciences held on November 6-10, 2017 in the Department of Chemistry Motilal Nehru National Institute of Technology Allahabad, U.P.

(16.) Actively participated and successfully completed two days national workshop on **"Intellectual Property Rights: Patents and Copyrights"** from the date of Sept.9-10, 2017 conducted by Department of Biotechnology, GLA University, Mathura, U.P.

(17.) Actively participated and successfully completed **seven days** hand-on national workshop on **"Quality Control & NABL Accreditation"** from the date of 26th July - 1st August, 2017 at Pt. J.N.M. Medical College Raipur, Chhattisgarh.

(18.) Actively participated and successfully completed three days workshop on "Research Methodology & Biostatistics" from the date of 18th - 20th July, 2017 at National Institute of Cholera and Enteric Diseases (NICED) ICMR, Kolkata, West Bengal.

(19.) Actively participated and successfully completed three days national workshop on **"Laboratory Quality Management System in Diagnostics"** from the date of 08th - 10th February, 2017 at National Institute of Biologicals (NIB), Noida, U.P.

(20.) Actively participated and successfully completed one day workshop on **"Big Data in Genomics"** on the date of 4th Feb. 2017, organized by Indraprastha Institute of Information Technology, Delhi, at the Center for Computational Biology, Academic Block, IIIT- Delhi.

(21.) Actively participated and successfully completed three days hand-on national workshop on **"Statistical Methods in Biomedical Research"** during 04th - 06th January, 2017 conducted by National Institute of Occupational Health (ICMR) in the collaboration with National Institute of Medical Statistics, New Delhi at NIOH, Meghani Nagar, Ahmedabad, Gujarat.

(22.) Actively participated and successfully completed three days hand-on national workshop on **"Advanced Instrumentation"** during 15th -17th September, 2016 conducted by Central University of Gujarat in the Central Instrumentation Facility at Central University of Gujarat, Gandhi Nagar, Gujarat.

(23.) Actively participated and successfully completed one day **"Workshop on Research Grant Writing"** during 30th August, 2016 organized by Gujarat State Biotechnology Mission (GSBTM), DST, GoG in collaboration with the National academy of Sciences India (NASI), at Ahmedabad Management Association (AMA) in Ahmedabad, Gujarat.

(24.) Actively participated and successfully completed two days hand-on workshop on **"Lipidomics & Metabolomics"** during May 23rd -24th, 2016 conducted by SCIEX at Udyog Vihar, Phase 4, Gurgaon.

(25.) Actively participated and successfully completed **one-week** hand-on workshop on **"Cancer Research"** under the Global Initiative for Academic Networks (GIAN) scheme of the Ministry of Human Resource & Development (MHRD) "Program in Cancer Biology" held on 31st Jan. – 5th Feb. 2016 in the Department of Zoology, School of Biological Sciences, Dr. Harisingh Gour Central University, Sagar, M.P.

(26.) Actively participated and successfully completed **five days** hand-on workshop on **"IN-SILICO DRUG DESIGNING & DEVELOPMENT and Pharmacovigilance"** held on 05th -09th October, 2015 at Tamil Nadu Veterinary and Animal Sciences University in Bioinformatics Centre & ARIS Cell Madras Veterinary College, Chennai, Tamil Nadu.

(27.) Actively participated and successfully completed **one-week** hand-on training programme on ***“Tools and Techniques in Biotechnology”*** at Maharshi Dayanand University, during May 11th - 16th, 2015 at MDU, Rothak, Haryana.

(28.) Actively participated and successfully completed **five days** hand-on training programme on ***“Next Generation Sequencing (NGS)-Bioinformatics and Data Analysis (2014)”*** from July 15th - 19th, 2014 at M.I.T. Campus of ANNA UNIVERSITY, Chennai, Tamil Nadu.

(29.) Actively participated and successfully completed **five days** hand-on national workshop on ***“Biostatistics and Its Applications in Biomedical Research”*** held in March 24th – 28th, 2014 at Biomedical Informatics Centre (BMIC) National Institute of Nutrition (ICMR), Hyderabad, A.P.

(30.) Actively participated and successfully completed four days hand-on workshop on ***“DST-Sponsored Confocal & Live Imaging Microscopy”*** held on January 27th -29th, 2014 at advanced instrumentation research facility, Jawaharlal Nehru University, New Delhi.

(31.) Actively participated and successfully completed three days hand-on ***“BIOINFORMATICS TRAINING PROGRAMME FOR COLLEGE TEACHERS”*** from February 07th - 09th, 2013, organized by DBT-funded Bioinformatics Infrastructure Facility at the Sri Venkateswara College & Institute of Lifelong Learning, University of Delhi, sponsored by Department of Biotechnology (Govt. of India).

(32.) Actively participated and successfully completed **one week** hand-on training programme on ***“Bioinformatics workshop on Genomics, Proteomics, Drug Design and High Performance Computing”*** held under the aegis of the Foundation for Innovation and Technology Transfer from September 10th -16th, 2009 at the Supercomputing facility for Bioinformatics & Computational Biology at I.I.T, Delhi.

(33.) Actively participated and successfully completed three days hand-on workshop on ***“Biophysical and Biotechnological research techniques”*** under the aegis of the AU-KBC Research Centre from July 25th - 27th, 2011 at the M.I.T. Campus of Anna University, Chennai, Tamil Nadu.

(34.) Actively participated and successfully completed one day workshop on ***“Recent Advances in Proteomics”*** under the aegis of the Marine Biotechnology & Bioinformatics division of National Institute of Ocean Technology conducted during December 21st, 2011 at NIOT, Chennai, Tamil Nadu.

► Actively and successfully participated on the cruise programme on **Sagar Manjusha** of NIOT on the voyage number 13/11 during **24/12/2011** to **12/01/2012** to undertake the following projects ***“Development of potential drugs from ocean (DPDO)”***, ***“Biofuel (Bio-diesel) from marine micro algae”*** and ***“Deployment of Fish aggregating device”*** and covered 1112 nautical miles in the voyage of the 10 different stations of Lakshadweep Islands of India.

MEMBERSHIP OF ACADEMIC/RESEARCH BODIES:

(1.) Life time membership of **INDIAN SOCIETY OF GENETICS, BIOTECHNOLOGY RESEARCH AND DEVELOPMENT (ISGBRD)**, Life time membership no. **ISGBRD-002008/16 & Reg. No.: AG-49442.**

(2.) Life time membership of **Scientific Educational Research Society (SERS)** Life time membership **Regd. No.38/2024-15.**

(3.) Life time membership of **Global Initiative for Academic Networks (GIAN)** under the scheme of the Ministry of Human Resource & Development (MHRD), **MHRD-GIAN-Cancer Biology.**

(4.) Life time membership of **Asian Federation of Biotechnology (AFOB)**, Republic of Korea, Registration No. **IN00866.**

(5.) Life time membership of **International Society for Environmental Information Sciences (ISEIS)** Canada.

EXTRACURRICULAR ACTIVITIES:

Mostly participate in the scientific events, playing & watching cricket, listening soft music, watching scientific fiction movies, Internet surfing, Chess, Computer & Mobile games etc.

PERSONAL INFORMATION

Name: SURYA PRATAP **SINGH**

Father Name: Late Sri Udai Singh

Mothers Name: Smt. Omwati Devi

Date of Birth: 06th May 1978

Religion: Hindu

Marital Status: Single

Language Known: Hindi and English

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