

**Mr. BALBIR SINGH**

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**AWARDS and ACHIEVEMENT:**

**QUALIFIED CSIR (NET) FOR LECTURERSHIP WITH LIFE SCIENCES 2004.**  
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**EDUCATIONAL QUALIFICATIONS:**

**Ph.D. (Biochemistry).** Pursuing from Bundelkhand University.

**M.Sc. Biomedical Sciences**      **Dr. B. R. Ambedkar Centre for Biomedical  
Research (ACBR) North Campus.  
University of Delhi, Delhi. Passed in year 2004.**

**B.Sc.(Hons) Human Biology**      **All India Institute of Medical Sciences, New Delhi.  
(Biochemistry as main subject)      Passed in year 2002.**

**Area of Teaching and Research interest: Biochemistry, Medical Biochemistry,  
Molecular Biology & Biotechnology.  
Cancer Biology.**

**TEACHING EXPERIENCE: -**

- (1) Presently Working as **Assist. Professor and Coordinator** in the **Institute of Biomedical Sciences at Bundelkhand University Campus, Jhansi. UP.** Since 13 Aug. 2008 to till date.
- (2) **Worked as Coordinator Department of Biomedical Sciences, Bundelkhand University Campus, Jhansi. UP** (From 08 Sept.2011 to 16 Oct.2014).
- (3) **Worked as Lecturer in subject of Biochemistry at JCD Dental College at SIRSA (HARYANA).** from 22 March' 2005 to 17 Sept.2007.
- (4) **Worked as Teaching Assistant** in subject of **Biochemistry and Medical Microbiology** at **Dr. B. R. Ambedkar Center for Biomedical Research, Delhi University** (15 Aug 2004 to 15 March. 2005). (Six Month).

**No. of CONFERENCES/ SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED :**

- (a) International conferences n=2
- (b) National conferences n=5
- (c) Seminar n=5
- (d) Workshop n=2
- (e) Symposium n=1
- (f) Faculty Development Programme n=1

- (1) Participated in **International Conference on Biomedical Engineering and Supportive Technologies (BEST-2016)** on 2-3 September 2016 at Bundelkhand Institute of Engineering and technology (BIET), Jhansi U.P.
- (2) Participated in International Conference on “**Chemistry Biology Interface: Synergistic New Frontiers**” (**CBISNF-2004**), organised by Dr.B.R. A.C.B.R. University of Delhi from November 21-26, 2004.
- (3) Participated in National Conference on “**Metabolomics, Transcriptomics and Proteomics**” held from 29 to 30 Jan. 2011 at SGPGIMS, Lucknow.
- (4) Participated in National Conference on “**Emerging Trends in Chemical Sciences**” held from 24-26 Feb. 2010 at Bundelkhand University Jhansi.
- (5) Participated in National Conference on “**Management of Water, Air, Noise, Solid waste and Plastic Waste during Commonwealth Games**” at New Delhi. Organised by IDC foundation, CPCB, MAMC, COEH and CSI at IIC New Delhi on 6-7 November 2009.
- (6) Participated in National Conference on “**Electron Microscopy and Allied Fields**” held at Bundelkhand University, Jhansi during Jan.17-20, 2009.
- (7) Participated in National Conference on “**Emerging Areas in Biomedical Sciences**” held at Bundelkhand University, Jhansi from 28 Dec. to 30 Dec.
- (8) Participated in National Seminar on “**Role of Forensic Science in Criminal Justice System**” held at Bundelkhand University, Jhansi from 4-5 March, 2011.
- (9) Participated in National Seminar on “**National Security and Terrorism, Role of Media & Administration of Justice**” held at Bundelkhand University, Jhansi from 6-7 March 2011.
- (10) Participated in National Seminar on “**RTI, Challenges and Importance**” held on 31 March 2010 at Bundelkhand University, Jhansi.
- (11) Participated in National Seminar on “Emerging Scenario in Forensic Sciences” on 23-24<sup>th</sup> Oct.2009 held at Bundelkhand University, Jhansi.
- (12) Participated in Seminar “**KEPLER-2009**” held at J.C. Bose Institute of Life sciences Bundelkhand University, Jhansi U.P. on 27- 28 Feb.2009.
- (13) Participated in National Workshop on “**Genomics & Proteomics in Biomedical research**” on March 17-20, 2016 and organised by IC & IBMS, Bundelkhand University, Jhansi.
- (14) Participated in Workshop on “**Physiotherapy Management in ICU**” held on 30-31 Jan.2016, at Bundelkhand University, Jhansi.
- (15) Participated in National Symposium on “**Beliefs & Faiths: A Challenge to Public Health**” organised by MAMC New Delhi on 13 Sep. 2008.
- (16) Participated in seven day “**Faculty Development Programme**” held at Bundelkhand University, Jhansi from 1<sup>st</sup> to 7<sup>th</sup> September, 2014.

### **ACADEMIC/ SCIENTIFIC TRAINING PROGRAMME COMPLETED/PUBLICATION:**

- (1) Short Term Programme on “**Nano material: Characterization and Applications**” at **National Institute of Technical Teacher’s Training & Research (NITTTR)**, Chandigarh. from 09 Nov. 2009 to 13 Nov.2009.
- (1) **Abstract Publication:** Usha, **B. Singh**, K. Sharma and Raj D. Mehra. Department of Anatomy, AIIMS, New Delhi. “**Ontogenic studies on MAP-2 immuno histochemical expression in monkey visual cortex**”. Presented at 49<sup>th</sup> National Conference of the Anatomical Society of India at Manipal. (Dec 2001, Page 88, abstract no. 257).
- (2) **Research fellowship** at All India Institute of Medical Science, New Delhi. Under the supervision of **Prof. Raj D. Mehra**, Neurobiology lab, Dept. Anatomy, New Delhi (May-July, 2001)  
Project Title: “**MAP-2 immunohistochemical expression in monkey visual cortex at different developmental stages**”

### **PAPER/SEMINAR PRESENTED AT UNIVERSITY/ INSTITUTE LEVEL:**

- (1) Present a oral paper on “**Biomaterial and their applications**” in **International Conference on Biomedical Engineering and Supportive Technologies (BEST-2016)** on 2-3 September 2016 at Bundelkhand Institute of Engineering and technology (BIET), Jhansi U.P.
- (2) Present a oral paper on “ **Clinical and diagnostic importance of enzymes**” in seminar KEPLER 2009 at J.C. Bose Institute of Life sciences Bundelkhand University, Jhansi U.P. on 27- 28 Feb.2009.
- (3) “**An attempt at the analysis of repeat polymorphism at DXS-548 microsatellite and fmr-1 gene in mice**” seminar at ACR, Delhi University, Sept. 2003.
- (4) “**Cytokines and their role in Therapy**” seminar at Dept. of Biochemistry, AIIMS, New Delhi, Year 2002.
- (5) “**Role of free radicals in Theophylline induced modulation of anxiety and stress in rats**” seminar at ACR, Delhi University, June. 2004.

### **EXTRA ACADEMIC ACTIVITY:**

1. Convener of Board of studies (BOS) Dept. of Biomedical Science, Bundelkhand University, Jhansi, for UG and PG course (From 08 Sept.2011 to 16 Oct.2014).
2. Worked as Centre Representative in CPMT examination 25 May’2011 at H. C. PG College, Varanasi, U.P.
3. Worked as Deputy Centre Superintendent in B.Ed. examination 23 May 2012 conducted by Dr. RML Avadh University, Faizabad U.P.

4. Stand at First position in Interschool Yoga Competition in 1988-89.
5. Alumni Association Incharge, Dept. of Biomedical Science, BUCAA- BU, Jhansi (session 2016).

### **Prize/ Awards / Medal win as on Dec. 2021**

1. Ist Prize as Best Oral Presentation in 5<sup>th</sup> International Conference on “ **Innovative Approaches in applied sciences and Technologies**”, on 3-5 Dec. 2021, organized by BBAU Lucknow.

### **Participation in International Conferences/ Seminar/webinar**

1. Participated in 5<sup>th</sup> International Conference on “ **Innovative Approaches in applied sciences and Technologies**” on 3-5 Dec, 2021 organized by BBAU Lucknow & SERS Meerut.

2. International webinar on “ **Transforming Nation through Women Empowerment** “on 21st August, 2021, organized by BIET Jhansi, UP.

3. Participated in International Webinar on “**THE SLIME MOLDS: PARADIGM SHIFTS FROM NINETEENTH CENTURY TO TODAY**” held on 28th June, 2021, Organized by MYCOLOGICAL SOCIETY OF INDIA, MUMBAI.

4. Participate two days International Virtual Conference on “**Frontiers in Health Sciences**” on 07-08 Aug, 2020, Organized by Cotton University, Guwahati, India.

5 . Attend International Webinar on “**Role of Host Immune System in Development of COVID-19**” on 11 May 2020 at IBMS, BU Jhansi,UP.

6. Participated and poster presentation in International Conference on”**Integrative Chemistry, Biology, and Translational Medicine**” on 25-26 Feb. 2019 at Hansraj college , university of Delhi.

7. Participated and delivered oral presentation in International Conference on “**Challenges & Innovations in Criminal Justice System**” on 21-22 Feb. 2019 at Bundelkhand University, Jhansi. U.P.

### **Participation in National Seminar/webinar.**

1 . completed One Professional Development Hour by attending Webinar on 07 February 2021 on "**Nanomaterial Toxicology: A Journey from Research to Policy**" organized by SGPGIMS, Lucknow, UP.

2. National webinar on “ **Women’s Nutrition for Better Health**” on Januray 16, 2021, organized by AIIMS, New Delhi & BIET, Jhansi.
3. National webinar on "**Calorie Restriction and Fasting for Health Life Style**" on Januray 03, 2021 organized by DIPAS, New Delhi..
4. Participate in National webinar on” **Laws for Women & their Rights**” on 12<sup>th</sup> Dec. 2020 organized by BIET Jhansi.

5. Completed One Professional Development Hour by attending lecture on “**Anticancer Evaluation of Certain Putative Drugs Under In-vitro Condition**” on December 6, 2020, organized by Sri Dev Suman University Campus, Dehradun.
6. . Participating in the National Webinar on "**ORGANISMIC INTERRELATIONSHIP: RECENT FRONTIERS IN BIOLOGICAL SCIENCES**” on 29th August, 2020, organized by KKV college Lucknow.
  - 7 . Participate in National webinar on “**Artificial Intelligence Applied to Covid -19 data**” on 08 August 2020, organized by BIET Jhansi.

### **Participation in Workshop**

1. Participated in “**Snake Bite Awareness Workshop**” on 16th August 2020 organized by Institute of Wildlife Sciences & University of Lucknow, Uttar Pradesh.
  
2. Participated in Two days workshop on “**Blended Learning and ICT for Teaching**” on 24-25 Jan 2019, organized by University of Delhi and Bundelkhand University, Jhansi, U.P.

### **Faculty Development Program (FDP) attended :**

1. Faculty Development Program on “**Research Methodology**” on 5-11 June 2021, organized by Bundelkhand University, Jhansi, U.P.
  
2. Faculty Development Program on “**Artificial Intelligence: Basics and Applications in Engineering, Science and Technology (AI-BEST 2020)**” on 27<sup>th</sup> -31<sup>st</sup> January, 2020 organized by BIET Jhansi.

Refresher Course on “**IPR and Patent Development**” 9 – 23 July 2022 conduct by UGC-HRDC, JNV University, Jodhpur and Bundelkhand University Jhansi, U.P.