


## CURRICULUM VITAE

<b>Name:</b>	<b>Anand Prakash</b>	 <i>Anand Prakash</i>
<b>Designation:</b>	<b>Professor &amp; Head</b> <b>Department of Biotech</b> <b>Dean School of Life Sciences</b> <b>Mahatma Gandhi Central University</b> <b>Motihari</b> <b>Bihar</b>	
<b>Specialisation &amp; Research Interests:</b>	Neurobiology of Learning and Memory; Addiction	
<b>Email ID &amp; Webpage (if any):</b>	anandprakash@mgcub.ac.in	
<b>Mobile No.:</b>	9628282357	

### 2. ACADEMIC QUALIFICATION (in reverse Chronological order):

<b>Examination Passed</b>	<b>Year</b>	<b>University / Board</b>	<b>Percentage / CGPA</b>	<b>Division</b>	<b>Specialisation / Subjects</b>
<b>High School</b>	1988	CBSE	67	First	Hindi, English, Maths, Social Studies, Science
<b>Intermediate</b>	1990	CBSE	68	First	Physics, Chemistry, Biology, Hindi, English
<b>B.Sc.</b>	1995	Dr. R M L Avadh University	61	First	Zoology, Botany, Chemistry
<b>M.Sc.</b>	1998	Dr. R M L Avadh University	66	First	Biochemistry

Examination Passed	Year	University / Board	Percentage / CGPA	Division	Specialisation / Subjects
Ph.D.	2005	Dr. R M L Avadh University	NA	NA	Biochemistry

### 3. ANY OTHER QUALIFICATION:

NA

### 4. PROFESSIONAL EXPERIENCE:

Position Held	Duration	Organisation/Institute/University
Lecturer	10-04-2001 to 26-11-2002	Dept. of Biochemistry, Dr. R M L Avadh University, Faizabad, U.P.
Post-Doctoral Fellow	17-08-2004 to 01-04-2007	Dept. of Psychiatry, University of Illinois at Chicago, USA.
Post-Doctoral Fellow	02-04-2007 to 25-03-2009	Dept. of Pharmacology, Creighton University, Omaha, Nebraska, USA.
Assistant Professor	27-03-2009 to 31-07-2017	Babasaheb Bhimrao Ambedkar University, Lucknow, U.P.
Professor	01-08-2017 to till date	Mahatma Gandhi Central University, Motihari, Bihar.

### 5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Coordinator, M.Sc. Brain and Cognition Sciences, BBAU, Lucknow	27-02-2012 to 31-07-2017	Framing of Course Curriculum; Appointment of Guest Faculty; Monitoring of teaching and research; Evaluation.

Coordinator, M.Sc. Forensic Science and Criminology, BBAU, Lcknow	04-09-2013 to 31-07-2017	Framing of Course Curriculum; Appointment of Guest Faculty; Monitoring of teaching and research; Evaluation.
Academic Coordinator, MGCU	13-11-2017 to 27-10-2018	Coordination of all academic activities
Provost, MGCU	09-09-2017 to 21-05-2018	Monitoring of Hostels
OSD ADMIN, MGCU	25-09-2018 to 06-02-2019	Overall administrative activities of the University
OSD FINANCE, MGCU	13-02-2019 to 31-05-2019	Financial Administration
Coordinator IQAC, MGCU	14-04-2019 to till date	Overall quality assurance all levels of University Administration and Academics
DEAN STUDENT WELFARE	17-10-2019 till date	Students welfare
Dean, School of Life Sciences, MGCU	25-08-2017 to till date	Academic and administrative activities at School of Life Sciences
Head, Dept. of Biotech, MGCUB	01-08-2019 to till date	Academic and administrative activities at Dept. of Biotech

## 6. COURSES TAUGHT:

1. Molecular Biology
2. Cell Biology
3. Recombinant DNA Technology
4. Animal Physiology
5. Immunology
6. Brain and Cognition Sciences

## 7. RESEARCH SUPERVISION:

- A. **Ph.D.:**
- i. **Awarded : 04**
  - ii. **Submitted : 00**
  - iii. **Ongoing : 02**
- B. **M.Phil.:**
- i. **Awarded : 00**
  - ii. **Submitted : 00**
  - iii. **Ongoing : 00**

- C. **M.Tech.:**
- i. **Awarded : 00**
  - ii. **Submitted : 00**
  - iii. **Ongoing : 00**

**8. CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:**

1. Liaison Officer and Coordinator, SC/ST Cell, MGCUB.
2. Chairman, Equal Opportunity Cell, MGCUB.
3. Coordinator, IQAC, MGCUB.
4. Chairman, Prospectus Committee, MGCUB.
5. Chairman, Ph.D. Ordinance Committee, MGCUB.
6. Chairman, Academic Calendar Committee, MGCUB.
7. Chairman, School Board, School of Life Sciences, MGCUB.
8. Chairman, Board of Studies, Dept. of Biotech, MGCUB.
9. Member, Board of Studies, Dept. of Botany, MGCUB.
10. Member, Board of Studies, Dept. of Zoology, MGCUB.
11. Ex officio Secretary, 13<sup>th</sup> Executive Council, MGCUB.
12. Chairman, Admission cum Prospectus Committee, MGCUB.
13. Member, Departmental Research Committee, Dept. of Zoology, Babasaheb Bhimrao Ambedkar University, Lucknow.
14. Member, Departmental Research Committee, Dept. of Biotech., BBAU, Lucknow.
15. Assistant Proctor, BBAU, Lucknow.
16. Member, IQAC, Dept. of Biotech. BBAU, Lucknow.
17. Member, Rate contract committee, BBAU.
18. Member, Research Degree Committee, BBAU.
19. Chairman, Admission Committee, M.Sc. Brain and Cognition Sciences, BBAU, Lucknow.
20. Convenor, ICUCPR-2017, held at BBAU.
21. Chairman, Library Committee, MGCUB.
22. Member Building Committee, MGCUB.
23. Coordinator, World Book Fair Committee, MGCUB.
24. Chairman, Library Committee, MGCUB.
25. Member, Deans Committee, MGCUB.
26. Chairperson Anti Ragging Squad, MGCUB.

**9. MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:**

1. Society for Neurosciences.

**10. PUBLICATIONS:**

**A. BOOKS/MONOGRAPHS:**

1. **Authored:**
2. **Edited:**

**B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:**

1. Regulation of HDAC1 and HDAC2 during consolidation and extinction of fear memory, Sarfraj Ahmad Siddiqui, Sanjay Singh, Rajesh Ugale, Vandana Ranjan, Rohit Kanojia, Sudipta Saha, Sukanya Tripathy, Shiv Kumar, Sudhir Mehrotra, Dinesh Raj Modi, Anand Prakash; Publication date; 2019/5/17; Journal Brain research bulletin, Publisher Elsevier.
2. Rawat A, Misra G, Saxena M, Tripathi S, Dubey D, Saxena S, et al. 1H NMR based serum metabolic profiling reveals differentiating biomarkers in patients with diabetes and diabetes-related complication. *Diabetes Metab Syndr Clin Res Rev* [Internet]. 2019 Jan [cited 2019 Apr 11];13(1):290–8. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S1871402118303977>
3. Singh S, Siddiqui SA, Tripathy S, Kumar S, Saha S, Ugale R, et al. Decreased level of histone acetylation in the infralimbic prefrontal cortex following immediate extinction may result in deficit of extinction memory. *Brain Res Bull* [Internet]. 2018 Jun [cited 2019 Apr 11]; 140:355–64. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/29908895>
4. Singh AK, Bhadauria AS, Kumar U, Raj V, Rai A, Kumar P, et al. Novel Indole-fused benzo-oxazepines (IFBOs) inhibit invasion of hepatocellular carcinoma by targeting IL-6 mediated JAK2/STAT3 oncogenic signals. *Sci Rep* [Internet]. 2018 Dec 12 [cited 2019 Apr 11];8(1):5932. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/29651140>
5. Raj V, Bhadauria AS, Singh AK, Kumar U, Rai A, Keshari AK, et al. Novel 1,3,4-thiadiazoles inhibit colorectal cancer via blockade of IL-6/COX-2 mediated JAK2/STAT3 signals as evidenced through data-based mathematical modeling. *Cytokine* [Internet]. 2018 Mar [cited 2019 Apr 11]; Available from: <https://linkinghub.elsevier.com/retrieve/pii/S10434666183011211>.
6. Mishra P, Raj V, Bhadauria AS, Singh AK, Rai A, Kumar P, et al. 6,7-dimethoxy-1,2,3,4-tetrahydro-isoquinoline-3-carboxylic acid attenuates colon carcinogenesis via blockade of IL-6 mediated signals. *Biomed Pharmacother* [Internet]. 2018 Apr [cited 2019 Apr 11]; 100:282–95. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/294482051>.
7. Singh AK, Bhadauria AS, Kumar U, Raj V, Maurya V, Kumar D, et al. Novel fused oxazepino-indoles (FOIs) attenuate liver carcinogenesis via IL-6/JAK2/STAT3 signaling blockade as evidenced through data-based mathematical modeling. *Life Sci* [Internet]. 2018 May 15 [cited 2019 Apr 11]; 201:161–72. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/294861501>.
8. Kumar P, Singh AK, Raj V, Rai A, Keshari AK, Kumar D, et al. Poly (lactic-co-glycolic acid)-loaded nanoparticles of betulinic acid for improved treatment of hepatic cancer: characterization, in vitro and in vivo evaluations. *Int J Nanomedicine* [Internet]. 2018 [cited 2019 Apr 11]; 13:975–90. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/294972921>.

9. Rai A, Kumar U, Raj V, Singh AK, Kumar P, Keshari AK, et al. Novel 1,4-benzothiazines obliterate COX-2 mediated JAK-2/STAT-3 signals with potential regulation of oxidative and metabolic stress during colorectal cancer. *Pharmacol Res* [Internet]. 2018 Jun [cited 2019 Apr 11]; 132:188–203. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/29229353>
10. Singh AK, Raj V, Keshari AK, Rai A, Kumar P, Rawat A, et al. Isolated mangiferin and naringenin exert antidiabetic effect via PPAR  $\gamma$ /GLUT4 dual agonistic action with strong metabolic regulation. *Chem Biol Interact* [Internet]. 2018 Jan 25 [cited 2019 Apr 12]; 280:33–44. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/29223569>
11. Keshari AK, Singh AK, Kumar U, Raj V, Rai A, Kumar P, et al. 5H-benzo[h]thiazolo[2,3-b] quinazolines ameliorate NDEA-induced hepatocellular carcinogenesis in rats through IL-6 downregulation along with oxidative and metabolic stress reduction. *Drug Des Devel Ther* [Internet]. 2017 Oct [cited 2019 Apr 12]; Volume,11:2981–95. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/29075102>
12. Ranjan V, Singh S, Siddiqui SA, Tripathi S, Khan MY, Prakash A. Differential Histone Acetylation in Sub-Regions of Bed Nucleus of the Stria Terminalis Underlies Fear Consolidation and Extinction. *Psychiatry Investig* [Internet]. 2017 May [cited 2019 Apr 12];14(3):350. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28539954>
13. Sahdev AK, Raj V, Singh AK, Rai A, Keshari AK, De A, et al. Ameliorative effects of pyrazinoic acid against oxidative and metabolic stress manifested in rats with dimethylhydrazine induced colonic carcinoma. *Cancer Biol Ther* [Internet]. 2017 May 4 [cited 2019 Apr 12]; 18(5):304–13. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28358223>
14. Shalini C, Kumar P, A. Singh K, Vinit R, Amit R, K. Amit K, et al. Protective Effect of Naringin against Pylorus Ligation-induced Esophagitis in Male Wistar Rats. *Indian J Pharm Sci* [Internet]. 2017 May 15 [cited 2019 Apr 12];79(2):250–6. Available from: <http://www.ijpsonline.com/articles/protective-effect-of-naringin-against-pylorus-ligation-induced-esophagitis-in-male-wistar-rats.html?view=mobile>
15. Rawat A, Chaturvedi S, Singh A, Guleria A, Dubey D, Keshari A, et al. Metabolomics approach discriminates toxicity index of pyrazinamide and its metabolic products, pyrazinoic acid and 5-hydroxy pyrazinoic acid. *Hum Exp Toxicol* [Internet]. 2018 Apr 20 [cited 2019 Apr 12];37(4):373–89. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28425350>
16. Siddiqui SA, Singh S, Ranjan V, Ugale R, Saha S, Prakash A. Enhanced Histone Acetylation in the Infralimbic Prefrontal Cortex is Associated with Fear Extinction. *Cell Mol Neurobiol* [Internet]. 2017 Oct 17 [cited 2019 Apr 12];37(7):1287–301. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28097489>
17. Rawat A, Dubey D, Guleria A, Kumar U, Keshari A, Chaturvedi S, et al. 1 H NMR-based serum metabolomics reveals erythromycin-induced

- liver toxicity in albino Wistar rats. *J Pharm Bioallied Sci* [Internet]. 2016 [cited 2019 Apr 12];8(4):327. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/28216958>
18. Yadav S, Tiwari V, Singh M, Yadav RK, Roy S, Devi U, et al. Comparative efficacy of alpha-linolenic acid and gamma-linolenic acid to attenuate valproic acid-induced autism-like features. *J Physiol Biochem* [Internet]. 2017 May 22 [cited 2019 Apr 12];73(2):187–98. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27878518>
  19. Rani A, Roy S, Singh M, Devi U, Yadav RK, Gautam S, et al.  $\alpha$ -Chymotrypsin regulates free fatty acids and UCHL-1 to ameliorate N-methyl nitrosourea induced mammary gland carcinoma in albino wistar rats. *Inflammopharmacology* [Internet]. 2016 Oct 26 [cited 2019 Apr 12];24(5):277–86. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/27671329>
  20. Rawat A, Srivastava R, Dubey D, Guleria A, Singh S, Prakash A, et al. Serum Metabolic Disturbances Hailing in Initial Hours of Acute Myocardial Infarction Elucidated by NMR based Metabolomics. *Curr Metabolomics* [Internet]. 2017 Jan 25 [cited 2019 Apr 12];5(1):55–67. Available from: <http://www.eurekaselect.com/openurl/content.php?genre=article&issn=2213-235X&volume=5&issue=1&spage=55>
  21. 1Indole Fused Pyridooxazepine And Its Synthesis For The Treatment Of [Internet]. [cited 2019 Apr 12]. Available from: <https://www.quickcompany.in/patents/indole-fused-pyridooxazepine-and-its-synthesis-for-the-treatment-of-hepatocellular-carcinoma>
  22. Keshari AK, Kumar G, Kushwaha PS, Bhardwaj M, Kumar P, Rawat A, et al. Isolated flavonoids from *Ficus racemosa* stem bark possess antidiabetic, hypolipidemic and protective effects in albino Wistar rats. *J Ethnopharmacol* [Internet]. 2016 Apr 2 [cited 2019 Apr 12];181:252–62. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26869543>
  23. EJPMPR | ABSTRACT [Internet]. [cited 2019 Apr 12]. Available from: [https://www.ejpmr.com/home/abstract\\_id/170](https://www.ejpmr.com/home/abstract_id/170)
  24. volume issue wise European journal of molecular biology and biochemistry [Internet]. [cited 2019 Apr 12]. Available from: <http://mcmed.us/viw/ejmabb/2/3>
  25. Ranjan V, Singh S, Siddiqui SA, Khan MY, Prakash A. Differential histone acetylation in the Amygdala leads to fear memory consolidation and extinction. *Int J Sci Technol Soc* [Internet]. 2015 Jan 1 [cited 2019 Apr 12];1(1). Available from: <http://myresearchjournals.com/index.php/ijsts/article/view/13>
  26. Gupta SC, Hillman BG, Prakash A, Ugale RR, Stairs DJ, Dravid SM. Effect of D-cycloserine in conjunction with fear extinction training on extracellular signal-regulated kinase activation in the medial prefrontal cortex and amygdala in rat. *Eur J Neurosci* [Internet]. 2013 Jun [cited 2019 Apr 12];37(11):1811–22. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/23551217>
  27. Bhatt JM, Prakash A, Suryavanshi PS, Dravid SM. Effect of Ifenprodil on GluN1/GluN2B N-Methyl-D-aspartate Receptor Gating. *Mol*

- Pharmacol [Internet]. 2013 Jan 1 [cited 2019 Apr 12];83(1):9–21. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/23007555>
28. Gupta SC, Hillman BG, Prakash A, Ugale RR, Stairs DJ, Dravid SM. Effect of D-cycloserine in conjunction with fear extinction training on extracellular signal-regulated kinase activation in the medial prefrontal cortex and amygdala in rat. *Eur J Neurosci* [Internet]. 2013 Jun [cited 2019 Apr 12];37(11):1811–22. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/23551217>
  29. Dravid SM, Burger PB, Prakash A, Geballe MT, Yadav R, Le P, et al. Structural Determinants of D-Cycloserine Efficacy at the NR1/NR2C NMDA Receptors. *J Neurosci* [Internet]. 2010 Feb 17 [cited 2019 Apr 12];30(7):2741–54. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/20164358>
  30. Jabba S V, Prakash A, Dravid SM, Gerwick WH, Murray TF. Antillatoxin, a novel lipopeptide, enhances neurite outgrowth in immature cerebrocortical neurons through activation of voltage-gated sodium channels. *J Pharmacol Exp Ther* [Internet]. 2010 Mar [cited 2019 Apr 12];332(3):698–709. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/20026674>
  31. Zhang H, Sakharkar AJ, Shi G, Ugale R, Prakash A, Pandey SC. Neuropeptide Y signaling in the central nucleus of amygdala regulates alcohol-drinking and anxiety-like behaviors of alcohol-preferring rats. *Alcohol Clin Exp Res* [Internet]. 2010 Mar 1 [cited 2019 Apr 12];34(3):451–61. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/20028368>
  32. George J, Dravid SM, Prakash A, Xie J, Peterson J, Jabba S V, et al. Sodium channel activation augments NMDA receptor function and promotes neurite outgrowth in immature cerebrocortical neurons. *J Neurosci* [Internet]. 2009 Mar 11 [cited 2019 Apr 12];29(10):3288–301. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/19279266>
  33. Dravid SM, Prakash A, Traynelis SF. Activation of recombinant NR1/NR2C NMDA receptors. *J Physiol* [Internet]. 2008 Sep 15 [cited 2019 Apr 12];586(18):4425–39. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/18635641>
  34. Prakash A, Zhang H, Pandey SC. Innate Differences in the Expression of Brain-Derived Neurotrophic Factor in the Regions Within the Extended Amygdala Between Alcohol Preferring and Nonpreferring Rats. *Alcohol Clin Exp Res* [Internet]. 2008 Jun [cited 2019 Apr 12];32(6):909–20. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/18445109>
  35. Pandey SC, Ugale R, Zhang H, Tang L, Prakash A. Brain Chromatin Remodeling: A Novel Mechanism of Alcoholism. *J Neurosci* [Internet]. 2008 Apr 2 [cited 2019 Apr 12];28(14):3729–37. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/18385331>
  36. Pandey SC, Zhang H, Ugale R, Prakash A, Xu T, Misra K. Effector Immediate-Early Gene Arc in the Amygdala Plays a Critical Role in Alcoholism. *J Neurosci* [Internet]. 2008 Mar 5 [cited 2019 Apr 12];28(10):2589–600. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/18322102>



37. Paul BN, Prakash A, Kumar S, Yadav AK, Mani U, Saxena AK, et al. Silica induced early fibrogenic reaction in lung of mice ameliorated by *Nyctanthes arbortristis* extract. *Biomed Environ Sci* [Internet]. 2002 Sep [cited 2019 Apr 12];15(3):215–22. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/12500662>.

**C. RESEARCH PAPERS IN EDITED AND PEER REVIEWED CONFERENCES:**

- i. Protease Activated Receptor1 (PAR1) regulates migration and invasion of glioblastoma cells via transactivation of EGFR. Conference Paper, October 2012 Conference: Society For Neuroscience, At New Orleans, USA ISSN No: 0270-6474.....
- ii. D-cycloserine potentiates fear extinction-induced ERK activation in prefrontal cortex and lateral nucleus of amygdala Conference: Society For Neuroscience, At Washington DC, USA  
Conference Paper · November 2011, ISSN No: 0270-6474.
- iii. Activity-regulated cytoskeleton associated protein and dendritic spines in the amygdala: A role in alcohol dependence and preference Joint Scientific Meeting of the Research-Society-on-Alcoholism and the, Volume: 32 Alcoholism Clinical and Experimental Research · June 2008; Conference paper; ISSN No: 1530-0277.
- iv. A role for CREB signaling in bed nucleus of stria terminalis brain regions in alcoholism Conference: Joint Scientific Meeting of the Research-Society-on-Alcoholism and the, Volume: 32; Conference Paper in Alcoholism Clinical and Experimental Research · June 2008. ISSN No: 1530-0277.
- v. Increased brain expression of CREB and neuropeptide Y are associated with reduced alcohol intake in CB1 receptor knockout mice Conference: Joint Scientific Meeting of the Research-Society-on-Alcoholism and the, Volume: 32; Conference Paper in Alcoholism Clinical and Experimental Research · June 2008; ISSN No: 1530-0277.
- vi. Differences in the levels of brain-derived neurotrophic factor in the extended amygdala between alcohol preferring and non-preferring rats. Conference Paper, 29th Annual Meeting of the Research-Society-on-Alcoholism, Volume: 30; Alcoholism Clinical and Experimental Research · June 2006; ISSN No.1530-0277.

**11. INVITED TALKS:**

Brain Mapping	International Conference on ICFMT on 18 and 19 <sup>th</sup> November 2016	State Forensic Science Laboratory, Lucknow	INTERNATIONAL
Role of PAR receptor in glioma migration and invasion	International Conference on Biotechnological Advances in Free Radical Biology and Medicine (ICBAFM) 14-16 <sup>th</sup> Nov., 2015	Department of Biosciences and Bioengineering, Integral University, Lucknow.	INTERNATIONAL

Role of PAR-1 receptor in glioma migration and invasion	International Consultation on New Technologies in Animal Sciences for Food, Health and Livelihood security of Women, Rural Masses, Scheduled Castes & Scheduled Tribes of North India	Babasaheb Bhimrao Ambedkar University, Lucknow	INTERNATIONAL
Effect of Environment on Human cognition	International Symposium on Biodiversity: Status, participated Utilization and Impact of Challenging Climatic Conditions October 30-31, 2014.	Babasaheb Bhimrao Ambedkar University, Lucknow	INTERNATIONAL
Neurobiology of Fear related disorders	Indo-US Symposium on Contemporary Issues in cell Kinetics presented invited lecture October 29-30,2014	Babasaheb Bhimrao Ambedkar University, Lucknow	INTERNATIONAL
Environmental Changes affect the genes related to memory formation through histone acetylation	Bioremediation- A promising Technology for Clean India	Department of Biotechnology, IT College, Lucknow	NATIONAL
Stress modulates fear memory consolidation and extinction through epigenetic mechanisms	International symposium on Neurosciences	Indian Academy of Neurosciences	International
Effect of D-cycloserine in conjunction with fear extinction training on extracellular signal regulated kinase activation in prefrontal	Prospects and perspectives in Biochemistry	Department of Biochemistry, Punjab University, Chandigarh	National

cortex and amygdala in rat			
Histone Acetylation and deacetylation are key to memory formation	Indo-US Symposium on Contemporary Issues in cell Kinetics presented invited lecture October 29-30,2014	BABASAHEB BHIMRAO AMBEDKAR UNIVERSITY, LUCKNOW	INTERNATIONAL

## 12. RESEARCH PROJECTS (COMPLETED / ONGOING):

Sl. No.	Title	Agency	Period	Grant/Amount Mobilized (Rs. Lakh)
1.	Role of Protease Activated Receptor in Glioma migration and invasion	DBT	2015-2018	29 lakhs
2.	Influence of SREBP1 inhibition on post-ischemic regulation of survival and death-signalling proteins	SERB	2016-19	35.20 Lakh
3.	DST-CPR Project	DST	2014-2019	500 Lakhs
4.	Innovative programme of UGC (M.Sc. Brain and Cognition Sciences)	UGC	2012-2017	45 Lakhs
5.	A novel role of CREB and its target genes during fear memory erasure leading to extinction	DST	2012-2015 (EXTENDED)	26.8 LAKHS
6.	Role of Epigenetics in fear memory consolidation and extinction	DBT	2012-2015 (EXTENDED)	63 LAKHS

## 13. PARTICIPATION IN SEMINARS/SYMPOSIA/WORKSHOPS/CONFERENCES:

### Workshop attended (2013 – 2017):

1. One-week workshop on Emerging research trends in Computer Science organized by Dept. of Computer Science, SIST, BBAU, Lucknow.

### Workshop/ Conferences Organized (2013-2017):

1. Organized 15th Indo-US Flow Cytometry Workshop on ‘Applications of Flow Cytometry in Biomedical Research’ during October 29-31, 2014, at BBAU, Lucknow.
2. Organized International conference on International Conference on Updates in Cancer Prevention & Research (ICUCPR-2017), at BBAU, Lucknow.

3. Organized LUSCON-2017 at BBAU, Lucknow on 3 to 4 March 2017.

**National Conferences attended (2013-2017):**

1. Attended 4th LUSCON 2017 (Lucknow Science Congress) held during 3rd and 4th March, 2017, organized by Babasaheb Bhimrao Ambedkar University, Lucknow.
2. Participated in workshop on Placement and Employment prospects in Indian Patent offices and hands on Training for Patenting the research work 18th March 2013 at BBAU Lucknow.
3. Commission For Scientific And Technical Terminology Ministry of Human Resource Development Workshop/ training Babasaheb Bhimrao Ambedkar University Lucknow 226025, 14-15 January 2014
4. Participated in the event Athletics Annual Sports March 12-13,2014 at BBAU, Lucknow.

**International Conferences attended (2013-2017):**

1. Attended International Conference on Updates in Cancer Prevention & Research (ICUCPR-2017), organized by BBAU, Lucknow and give oral talk on the topic "Role of Viral miRNAs in the Carcinogenesis of Human tumour." 14th to 16th February, 2017.
2. International Symposium on Neurosciences & XXXI Annual Conference of Indian Academy of Neurosciences & Local Chapter of IAN Allahabad India presented oral [Theme: Emerging Trends and Challenges in Neuroscience] October 25-27 2013.
3. Indo-US symposium on Impact of Early Adversity On Developing Brain Organized by Biochemistry Foundation & Indian Academy of Neurosciences (IAN) presented invited talk October 29th 2013.

**Invited Talks in National and International conferences/ Symposium (2013-2017):**

1. International Conference on ICFMT on 18 and 19th November 2016 organized by State Forensic Science Laboratory, Lucknow.
2. International Conference on Biotechnological Advances in Free Radical Biology and Medicine (ICBAFM) 14-16th Nov., 2015 organized by Department of Biosciences and Bioengineering, Integral University, Lucknow.
3. International Consultation on New Technologies in Animal Sciences for Food, Health and Livelihood security of Women, Rural Masses, Scheduled Castes & Scheduled Tribes of North India.
4. International Symposium on Biodiversity: Status, participated Utilization and Impact of Challenging Climatic Conditions October 30-31, 2014.
5. Indo-US Symposium on Contemporary Issues in cell Kinetics presented invited lecture October 29-30,2014.

**14. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:**

1. UGC-CSIR JRF
2. ICMR JRF
3. Worked as a Postdoctoral Fellow under the Exchange Visitor Program of US Government.

**15. ANY OTHER SIGNIFICANT INFORMATION:**

The undersigned has played an important role in development of teaching and research. The applicant has been in teaching profession for the last 16 years. During this long career as a teacher and a researcher I

have experienced and learnt the art of administration in teaching and research and the ethics involved. I started my career as a teacher in 2001 after successfully completing my doctoral work at IITR, Lucknow. However my passion for higher research made me join postdoctoral position at University of Illinois Chicago, USA and later at Department of Pharmacology at Creighton University Omaha, Nebraska, USA. During this span of about 05 years I underwent world class training in the field of learning and memory and alcohol addiction. I learnt many behavioural, molecular and electrophysiological techniques required towards deeper understanding of neural circuits leading to memory formation as well as addiction. In 2009 I came back to India and joined as an Assistant Professor at Department of Biotechnology, BBAU, Lucknow. I worked hard in changing the research and teaching at the Department. I got a new innovative programme in M.Sc. Brain and Cognition Sciences as well as big research grants from DBT and DST. I also established a small animal house and a laboratory with facilities like cell culture, immunohistochemistry, behavioural research (fear conditioning), molecular techniques like CHIP assay, western blot and real time PCR, fluorescent microscopy etc., for higher research. Presently with the new assignment as Professor at Dept. of Biotech, Mahatma Gandhi Central University, Motihari, Bihar, all my efforts are towards developing a conducive environment for teaching, learning and research.