


CURRICULUM VITAE

Name:	Dr. Shyam Babu Prasad	
Designation:	Assistant Professor	
School:	Life Sciences	
Department:	Zoology	
Specialisation & Research Interests:	PI3K/AKT Signalling, Genetic and Epigenetic alteration in Cervical Cancer & EMT (Epithelial Mesenchymal Transition) in Cancer Progression, Molecular Oncology and Cell Signalling, Cell-free DNA (cfDNA), and drug resistance in cancer.	
Email ID	shyambabuprasad@mgcub.ac.in ; shyambabu.rs@gmail.com	
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Address:	Mahatma Gandhi Central University, Chanakya Parisar, Near Sadar Hospital, Motihari District- East Champaran, Bihar- 845401 (INDIA)	

2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Examination Passed	Year	University / Board	Division	Specialisation / Subjects
PhD	2013	Banaras Hindu University		PI3K/AKT signaling pathway: Molecular Genetics and Epigenetic studies in Cervical Cancer

Examination Passed	Year	University / Board	Division	Specialisation / Subjects
Master's degree (M.Sc.)	2006	Tezpur Central University, Assam	First	Molecular Biology and Biotechnology
Bachelor's degree (B.Sc.)	2001	J.P. University, Chhapra, Bihar	First	Chemistry (Honours), Zoology, Botany, Hindi

3. ANY OTHER QUALIFICATION:

- ICMR-Post-Doctoral Research Fellowship (ICMR-PDF) awarded by Indian Council of medical Research (I.C.M.R.), New Delhi, Govt. of India (March-2014).
- ICMR-Senior Research Fellowship (ICMR-SRF) awarded by Indian Council of Medical Research (ICMR), New Delhi, Govt. of India (July-2012).
- Graduate Aptitude Test for Engineering (GATE) with percentile 94.74 (All India Rank-346, Score-405) (February-2005).

4. PROFESSIONAL EXPERIENCE:

Position Held	Duration	Organisation/Institute/University
Assistant Professor	09 th November, 2016 to till date	Mahatma Gandhi Central University, Bihar (MGCUB), Motihari-845401
Assistant Professor	11 th August, 2015 to 10 th August 2016	Central University of Rajasthan, Dist-Ajmer, 305801
ICMR-Post Doctoral Fellow (PDF)	09 th April, 2014 to 09 th August, 2015	Institute of Cytology and Preventive Oncology (ICPO), Noida

5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
Warden of Boy's Hostel	10 th September 2015 to 20 th January 2016	Hostel Administration in Central University of Rajasthan, Dist-Ajmer, 305801

6. COURSES TAUGHT:

- Instrumentation and Techniques (Course Code- ZOOL5002)
- Non-Chordates: Structure, Function and Evolutionary (Course Code- ZOOL 4001)
- Cell and Molecular Biology (Course Code- ZOOL 4004)
- Chordates: Structure, Function and Evolutionary Significance (Course Code- ZOOL 4007)
- Biochemistry and Metabolism (Course Code- ZOOL 4008)
- Non-chordates I: Protista to Pseudocoelomates (Course Code- ZOOL3001)
- Environment and Public Health (Course Code- ZOOL3015)
- Cell Biology (Course Code- ZOOL3004)
- Insect, Vector and Disease (Course Code- ZOOL3015)
- Fundamentals of Biochemistry (Course Code- ZOOL3007)
- Food, Nutrition and Health (Course Code- ZOOL3017)
- Biochemistry of Metabolic Processes (Course Code- ZOOL3010)
- Medical Diagnostics (Course Code- ZOOL3020)
- Molecular Biology (Course Code- ZOOL3011)
- Animal Biotechnology (Course Code- ZOOL3024)

7. RESEARCH SUPERVISION:

A. Ph.D.: 01

- i. Awarded : Nil
- ii. Submitted : Nil
- iii. Ongoing : 01

B. M.Phil.:

- i. Awarded : Nil
- ii. Submitted : Nil
- iii. Ongoing : Nil

C. M.Tech.:

- i. Awarded : Nil
- ii. Submitted : Nil
- iii. Ongoing : Nil

8. CONTRIBUTION TO CORPORATE LIFE OF THE UNIVERSITY:

Convener	Open House Committee for Teachers
Members	Infrastructure Development Committee
Members	AIIMS Committee
Members	Community Engagement Programme
Members	Development Cell
Members	Canteen Committee
Members	Performance Committee
Members	Decoration Committee
Member	Equal opportunity cell
Co-Coordinator	Medical committee
Co-Coordinator	student counselling committee

9. MEMBERSHIP OF SOCIETIES / PROFESSIONAL BODIES:

10. PUBLICATIONS:

A. BOOKS/MONOGRAPHS:

1. Authored:

- Ramteke A, Prasad SB, Kumar S, Borah S, Das RK (2007). Anti-oxidative effects of *Physalis minima* Linn leaf extracts. *Advances in Life Sciences*, Studium Press, Texas, USA, 155-163.

2. Edited: Nil

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

1. Das M, Prasad SB, Yadav SS, Pradhan S, Narayan G, Singh S (2019). Prevalence of high risk HPV types in cervical cancer patients of eastern Uttar Pradesh, India. *Journal of Scientific Research*, Vol. 63, 2019: 147-154.
2. Prasad CB, Prasad SB, Yadav SS, Pandey LK, Singh S, Pradhan S, Narayan G (2017). Olaparib modulates DNA repair efficiency, sensitizes cervical cancer cells to cisplatin and exhibits anti-metastatic property. *Scientific Reports*. 9;7(1):12876. doi: 10.1038/s41598-017-13232-3. (IF-4.2) [PMID: 28993682]

3. Kumari S, **Prasad SB**, Yadav SS, Kumar M, Nath G, Khana A, Dixit VK, Puneet, Singh S, Narayan G (2016). Cyclin D1 and Cyclin E2 are Differentially Expressed in Gastric Cancer. **Medical Oncology** 33(5):40.doi: 10.1007/s12032-016-0754-8 (IF: 2.63). [PMID: 27034264]
4. Yadav SS, **Prasad SB**, Prasad CB, Pandey LK, Pradhan S, Singh S, , Narayan G (2016). CXCL12 is a key regulator in tumor microenvironment of cervical cancer: an in vitro study. **Clinical & Experimental Metastasis**; DOI 10.1007/s10585-016-9787-9 (IF: 3.49). [PMID: 26970955]
5. Das M, **Prasad SB**, Yadav SS, Modi A, Singh S, Pradhan S, Narayan G (2015): HPV type specific response of cervical cancer cells to cisplatin after silencing replication licensing factor MCM4. **Tumor Biology**; DOI: 10.1007/s13277-015-3782-7 (IF: 3.61). [PMID:26188903]
6. **Prasad SB**, Das M, Yadav SS, Kumari S, Pandey LK, Singh S, Pradhan S, Narayan G (2015):PI3K/AKT pathway mediated regulation of p27Kip1 is associated with cell cycle arrest and apoptosis in cervical cancer. **Cellular Oncology**; 38(3):215-25, doi: 10.1007/s13402-015-0224-x (IF: 5.02). [PMID:25821107]
7. Yadav SS, **Prasad SB**, Das M, Kumari S, Swain PK, Pandey LK, Singh S, Pradhan S, Narayan G (2015): Anti-tumor activity of staurosporine in the tumor microenvironment of cervical cancer: An in vitro study. **Life Science**; 133:21-8, doi: 10.1016/j.lfs.2015.04.019, (IF: 2.70). [PMID:26006035]
8. Chaturmohta A, Dixit R, Narayan G, Gupta P, **Prasad SB**, Yadav SS and Shukla VK (2015): Do Expression Profiles of Cytokines VEGF, TNF- α , IL-1 β , IL-6 and IL-8 Correlate with Gallbladder Cancer?. **Journal of Cancer Science and Clinical Oncology** (Volume 1 | Issue 3), ISSN: 2394-6520.
9. Shantanu L, Arun K, **Prasad SB**, Bharti AC, Veena K (2015): Folic Acid and Trastuzumab Functionalized Redox Responsive Polymersomes for Intracellular Doxorubicin Delivery in Breast Cancer. **Biomacromolecules**; 16 (6):1736-52. doi: 10.1021/acs.biomac.5b0024, (IF: 5.75). [PMID:25918899]
10. **Prasad SB**, Das M, Yadav SS, Govardhan HB, Pandey LK, Singh S, Pradhan S, Narayan G (2014): Down Regulation of FOXO1 Promotes Cell Proliferation in Cervical Cancer. **Journal of Cancer**; 5(8):655-62. doi: 10.7150/jca.6554, (IF: 3.60). [PMID:25157276]
11. Yadav SS, **Prasad SB**, Das M, Kumari S, Swain PK, Pandey LK, Singh S, Pradhan S, Narayan G (2014): Epigenetic Silencing of CXCR4 Promotes Loss of Cell Adhesion in Cervical Cancer. **BioMed Research International**; 581403. doi: 10.1155/2014/581403, (IF: 2.88). [PMID:25114911]

12. Kumari S, Mishra SP, Rahul, **Prasad SB**, Yadav SS, Das M, Kumar M, Nath G, Khana A, Dixit VK, , Puneet, Singh S, Narayan G (2014): Differential expression of COX-2: A potential marker for clinical phenotypes of Gastric Cancer. **International Journal of Advanced Research (IF: 4.58)**.
13. Das M, **Prasad SB**, Yadav SS, Govardhan HB, Pandey LK, Singh S, Pradhan S, Narayan G (2013): Over Expression of Minichromosome Maintenance Genes is Clinically Correlated to Cervical Carcinogenesis. **PLoS One**; 8(7):e69607. doi:10.1371/journal.pone.0069607; (IF: 3.73). [PMID:23874974]
14. Singh M, Sharma NK, **Prasad SB**, Yadav SS, Narayan G, Rai AK (2013): Freshwater cyanobacterium *Anabaena doliolum* transformed with ApGSMT-DMT exhibited enhanced salt tolerance and protection to nitrogenase activity, but changed its behavior to halophily. **Microbiology**, 159(Pt 3):641-8. doi: 10.1099/mic.0.065078-0, (IF: 2.85). [PMID:23329680]
15. **Prasad SB**, Narayan G (2012): A new insight of GSK3B regulation: implications in cancer therapy. **Journal of Scientific Research, Banaras Hindu University**; 56: 25-34.
16. Singh S, **Prasad SB**, Yadav SS, Agrawal NK, Narayan G (2012): Association of common variants of CDKN2A/2B rs10811661 (C/T) and WFS1 rs6446482 (C/G) with type 2 diabetes mellitus in Indian population of eastern Uttar Pradesh. **Journal of Diabetes and Metabolism**; 3:9. (IF: 1.77).
17. Ramteke A, **Prasad SB**, Kumar S, Borah S, Das RK (2007). Leaf Extract of *Phlogacanthus tubiflorus* Nees. Modulates Glutathione level in CCl₄ treated Chicken Lymphocytes. **J. Assam Sc. Soc.**; 47, 20-24.

Book Chapter:

1. Ramteke A, Prasad SB, Kumar S, Borah S, Das RK (2007). Anti-oxidative effects of *Physalis minima* Linn leaf extracts. *Advances in Life Sciences*, Studium Press, Texas, USA, 155-163.

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

11. **INVITED TALKS: Nil**

12. **RESEARCH PROJECTS (COMPLETED / ONGOING): Nil**

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

- National Symposium on Recent Trends in Chemical Sciences Organized by Department of Chemistry, Mahatma Gandhi Central University, Bihar, on **1 March 2019 (RTCS-2019)**. Presented paper on **“Combinatorial effect of MG132 with LY294002 drug modulates apoptosis and cell cycle arrest in human cervical cancer cells” (Oral Presentation)**.
- A one week **(03-04 April 2019)** workshop **Machine learning and computer vision using MATLAB**, organised by Department of CS &IT, Mahatma Gandhi Central University, Bihar.
- 34th Annual Conference of Indian Association of Cancer Research **(IACR) “Cancer Research: From Bench to Bedside”** Organized by SMS Medical college Jaipur, held at Jaipur (India), from 19-21 February **2015**.
- 2nd International Symposium: **Translational Cancer Research“ Cancer Research: From Bench to Bedside”** Organized by Delhi State Cancer Institute in collaboration with UT MD ADERSON CANCERCENTR Houston, USA held at New Delhi, 01 December 2014.
- 32nd Annual Convection of Indian Association for Cancer Research **(IACR) – “Emerging Trends in Cancer Research: Road to Prevention and Cure”** and an International Symposium on Infection and Cancer held at ACBR, University of Delhi, North Campus from 13-16 February, **2013 (Oral Presentation)**.
- International Conference on **Genes, Genetics & Genomics: Today & Tomorrow- Human Concerns** & XXXVII Annual conference of the **Indian Society of Human Genetics, Panjab University, Chandigarh, India** from 3rd - 5th March, **2012**.
- International Symposium on **Developmental and Complex Disorders** & XXXVIII Annual Conference of the Indian Society of Human Genetics, Genomics and Community Health held at BHU, Varanasi from **09 -11 Nov, 2012**.
- A Symposium on **“Population Genetics and Chromatin dynamics”** organized by Cytogenetics Section, Department of Zoology, Banaras Hindu University, Varanasi, India. January 22-23, **2012**.
- XXXIV **All India Cell Biology Conference (AICBC)**, Organized by Bose Institute, Kolkata, India, **December-4-6, 2010**.
- A Symposium **“DNA Repair, Genomics Instability and Cancer”** organized by Department of Zoology, Banaras Hindu University, Varanasi, India. March 4-5, **2010**.
- International Conferences on **“Functional Genomics: Proteomics and Challenges”** organized by Cytogenetics Section, Department of Zoology, Banaras Hindu University, Varanasi, India. October 2-4, **2010**.
- XXXII All India Cell Biology Conference (AICBC) & Symposia on **“Stem Cells and Pattern Formation”** organized by MACS-Agharkar Research Institute, Pune, India. December 4-6, **2008**.
- National Conference on **“Genomics, Proteomics & System Biology”** at J.N. Tata Auditorium, IISc Campus, Bangalore. October 1-3rd, **2008**.
- XXXI All India Cell Biology Conference (AICBC) & Symposium on **“Stem Cells: Application and Prospects”** organized by Department of Zoology, Banaras Hindu University, Varanasi, India. December 14-16, **2007**.

14. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- ICMR-Post-Doctoral Research Fellowship (ICMR-PDF) awarded by Indian Council of medical Research (I.C.M.R.), New Delhi, Govt. of India (March-2014).
- ICMR-Senior Research Fellowship (ICMR-SRF) awarded by Indian Council of Medical Research (ICMR), New Delhi, Govt. of India (July-2012).
- Graduate Aptitude Test for Engineering (GATE) with percentile 94.74 (All India Rank-346, Score-405) (February-2005).
- Postgraduate merit Scholarship was provided by Department of Biotechnology Government of India (2004-2006).
- Awarded with **Silver medal** for second position in 4x100 Meters Rely (Men).

15. ANY OTHER SIGNIFICANT INFORMATION:

1	Course Coordinator	Instrumentation and Techniques (ZOOL5002, PhD Course work), Department of Zoology, MGCUB.
2	Member, DRC	Departmental Research Committee (DRC), Department of Zoology, MGCUB.
3	Member, DPC	Departmental Purchase Committee (DPC), Department of Zoology, MGCUB.
4	Member DBT Course Advisory	Dept. of Molecular Biology and Biotechnology, Tezpur Central University, Assam
5	Special Invitee Member	Board of Studies, Department of Zoology, MGCUB.
6	Member	Equal opportunity Cell, MGCUB