Dr. Dhananjay Shukla
Assistant Professor
Department of Biotechnology,
Guru Ghasidas Vishwavidyalaya (A Central University)
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EDUCATION

- **Doctor of Philosophy (Biotechnology)** **July 2009**
  Defence Institute of physiology and Allied Science and Jamia Hamdard University, Delhi, India
- **Masters of Science (Biotechnology)** **June 2003**
  Awadhesh Pratap Singh University, Rewa, Madhya Pradesh, India
- **Bachelors of Sciences** **June 1999**
  Awadhesh Pratap Singh University, Rewa, Madhya Pradesh, India

TEACHING EXPERENCE

- **Assistant Professor** **2013 – Present**
  Department of Biotechnology
  Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India
- **Assistant Professor** **2012 – 2013**
  Department of Biotechnology
  GITAM Institute of Science, GITAM University, Visakhapatnam, AP, India
- **Assistant Professor** **2012 – 2012**
  Department of Biotechnology
  Dr. D.Y. Patil Biotechnology and Bioinformatics Institute, Tathawade, Pune, India

Postdoctoral Experience

Postdoctoral Fellow **2010 - 2012**
Lunderberg-Kienlen Lung Biology and Toxicology Laboratory
Centre for Veterinary Health Sciences, Physiological Sciences Department
Oklahoma State University, OK, USA

Postdoctoral Fellow **2009 - 2010**
Laboratory of Cell Signalling
Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad, AP, India

Senior Research Fellow **2006 - 2009**
Defence Institute of Physiology and Allied Sciences,
Defence Research and Development Organization (DRDO), Delhi, India

Junior Research Fellow **2004 - 2006**
Defence Institute of Physiology and Allied Sciences,
Defence Research and Development Organization (DRDO), Delhi, India

Master's Project **2003 - 2003**
Bhabha Atomic Research Centre, Trombay, Mumbai, India

RESEARCH GRANTS AND FUNDINGS

- DST Fast-Track Proposal for young investigator "Role of GPNMB in pathogenesis of bronchopulmonary dysplasia" **Role: Principal Investigator.**
- UGC Major Research proposal "Therapeutic approach for Hutchinson Gilford Progeria Syndrome using antioxidant and mitochondrial biogenesis enhancer". **Role: Principal Investigator.**
- Seed grant proposal entitled "Role of microRNA-150 in the pathogenesis of bronchopulmonary dysplasia" Awarded by research advisory committee, Centre for Veterinary Health Sciences, Oklahoma State University, Oklahoma, USA (2011-2012). **Role: Principal Investigator.**

AWARDS

- Best Paper Award by IQAC, Guru Ghasidas Vishwavidyalaya 2021
- *Postdoctoral Fellowship* Awarded by Department of Biotechnology for the year 2009
- *Senior Research fellowship* Awarded by University Grant Commission for the year 2006.
- *Junior Research Fellowship* Awarded by University Grant Commission for the year 2004.
- *Junior Research Fellowship* Awarded by Indian Council of Medical Research for the year 2004.
- Qualified *National Eligibility Test* (CSIR-NET) for Lecturership conducted by Council of Scientific and Industrial Research in year 2004.
- Qualified *Graduate Aptitude Test in Engineering* (GATE) conducted by Indian Institute of Technology in year 2004.

PROFESSIONAL AFFILIATIONS

Indian Immunological Society	Life Member
Indian Science Congress	Life Member

PROFESSIONAL TRAININGS

- Participated in "13th Orientation Programme" organized by UGC-ASC Guru Ghasidas Vishwavidyalaya, Bilaspur from January 12, 2015 to February 08, 2015 **(Grade A).**
- Participated in CME cum workshop on "Modern recording techniques in physiology and pharmacology" on February 2007 at Vallabhbhai Patel Chest Institute, University of Delhi, India.
- Microarray Training at Genotypic Technologies Bangalore, India on August 2007.

2025

1. Vibha Sinha, Shubhojeet Roy, Sapnita Shinde, Deepankar Mondal, Vineeta Dixit, Deepak Dwivedi, Sanjay Kumar Pandey, Rakesh Gupta, Naveen Kumar Vishwakarma, **Dhananjay Shukla**. Navigating Cardiovascular Challenges of Obesity: Exploring Preventive Approaches. Endocrine Metabolism and Immune Disorders-Drug target. 2025: 12; 918-940. **[IF:2.0]**

2024

2. Mondal, Deepankar; Shinde, Sapnita; Sinha, Vibha; Dixit, Vineeta; Paul, Souvik; Gupta, Rakesh Kumar; Thakur, Suresh; Vishvakarma, Naveen Kumar; **Shukla, Dhananjay**. Prospects of liquid biopsy in the prognosis and clinical management of gastrointestinal cancers. Frontiers in Molecular Biosciences. 2024: 11; 1385238. **[IF:4.0]**
3. Gupta RK, Wasnik P, Mondal D, Shukla D. Critical role of keratinocytes in cutaneous immune responses. Explor Immunol. 2024; 4:502–22.

2023

4. Megha Yadav, Blessi N Uikey, Shantnu Singh Rathore, Priyanka Gupta, Diksha Kashyap, Chanchal kumar, **Dhananjay Shukla**, Vijya Mahantesh, Arvind singh Chandel, Bharti Ahirwar, Ashish Kumar Singh, Shashi Shekhar Suman, Amit Priyadarshi, Ajay Amit. Role of cytokine in malignant T-cell metabolism and subsequent alteration in T cell tumor microenvironment. ***Frontiers in Oncology*** (2023) 13; 1-23. **[IF:3.0]**
5. Deepankar Mondal, Sapnita Shinde, Souvik Paul, Suresh Thakur, GSK Velu, Atul Kumar Tiwari, Ajay Amit, Naveen Kumar Vishvakarma, **Dhananjay Shukla**. Diagnostic significance of dysregulated miRNAs in T cell malignancies and their metabolic roles. ***Frontiers in Oncology*** (2023) 13; 1-16. **[IF:3.0]**
6. Arundhati Mehta, Yashwant Kumar Ratre, Vivek Kumar Soni, **Dhananjay Shukla,** Subhash C Sonkar, Ajay Kumar and Naveen Kumar Vishvakarma. Orchestral role of lipid metabolic reprogramming in T cell malignancy. ***Frontiers in Oncology*** (2023) 13; 1-29. **[IF:3.0]**

2022

7. Ratre, Yashwant Kumar; Sarkar, Tanushree; Tiwari, Ankit; Jaiswal, Akriti; Mehta, Arundhati; Soni, Vivek Kumar; Ansari, Saif Mohammed Saleh; **Shukla, Dhananjay**; Vishvakarma, Naveen Kumar; Single-cell analysis as a guiding tool to understand drug resistance in cancer: Current opportunities and scope. ***Polymorphism*** (2022) 8; 37-55.
8. Suresh Thakur, Shalitha Sasi, Sindhu Gopinathan Pillai, Ayantika Nag, **Dhananjay Shukla**, Ritu Singhal, Sameer Phalke and G. S. K. Velu. SARS-CoV-2. Mutations and Their Impact on Diagnostics, Therapeutics and Vaccines. ***Frontiers in Medicine*** (2022) 9; 1-16. **[IF:3.0]**

9. Vivek Kumar Soni, Arundhati Mehta, Krishna Sharma, Yashwant Kumar Ratre, Mrigendra Dwivedi, Navneet Chaturvedi, **Dhananjay Shukla**, Ashwini Kumar Dixit, Alok Kumar Singh, Naveen Kumar Vishvakarma. Immunity boosters in COVID-19: Reality or myth? **Medicine India** (2022) 1;

2021

10. Arundhati Mehta, Yashwant Kumar Ratre, Krishna Sharma, Vivek Kumar Soni, Atul Kumar Tiwari, Rajat Pratap Singh, Mrigendra Kumar Dwivedi, Vikas Chandra, Santosh Kumar Prajapati,

Dhananjay Shukla and Naveen Kumar Vishvakarma. Interplay of Nutrition and Psychoneuroendocrineimmune Modulation: Relevance for COVID-19 in BRICS Nations. ***Frontiers in Microbiology*** (2021) 12; 1-23. **[IF: 4.5]**

11. Vinit Singh Baghel, Sapnita Shinde, Vibha Sinha, Sanjay Kumar Pandey, Sudhakar Dwivedi, Nikita Singh, Atul Kumar Tiwari, Saurabh Saxena, Naveen Kumar Vishvakarma, **Dhananjay Shukla**, Prashant Bhatt. Post-COVID–19 complication and its effect on acute kidney injury. Journal of Renal Endocrinology (2021) 7: e18: 1-5

12. Vivek Kumar Soni, Arundhati Mehta, Yashwant Kumar Ratre, Vikas Chandra, **Dhananjay Shukla**, Ajay Kumar, Naveen Kumar Vishvakarma. Counteracting Action of Curcumin on High Glucose-Induced Chemoresistance in Hepatic Carcinoma Cells. **Frontiers in Oncology** (2021) 11, 738961. **[IF:3.0]**

13. Saxena Saurabh, **Shukla Dhananjay**. The pursuit of therapy for progeria. Aging (2021) 13, 15697-98. **[IF: 5.2]**

14. Mrigendra Kumar Dwivedi, **Dhananjay Shukla**, Atul Kumar Tiwari. Evaluation of carcinogenic potential of Surface adsorbed Hazardous chemicals on vegetables and fruits Research. Journal of Agriculture Science (2021) 12(3): 801–806.

15. Arundhati Mehta, Vivek Kumar Soni, Krishna Sharma, Yashwant Kumar Ratre, Dhananjay Shukla, Alok Kumar Singh, Naveen Kumar Vishwakarma. Finding Horcrux of psychiatric symptoms in COVID-19: Deficiencies of amino acids and vitamin D. Asian Journal of Psychiatry (2021) 55, 102523. **[IF: 4.5]**

2020

16. Vivek Kumar Soni, Krishna Sharma, Arundhati Mehta, Yashwant Kumar Ratre, Sujeet Kumar **Dhananjay Shukla**, Naveen Kumar Vishvakarma. A physiological link for psychiatric symptoms in COVI-19: role of amino acid deficiency. *Asian Journal of Psychiatry* (2020) 102426.
17. Vivek Kumar Soni, Arundhati Mehta, Yashwant Kumar Ratre, **Dhananjay Shukla**, Sujeet Kumar, Naveen Kumar Vishvakarma. Fight COVID-19 Depression with immunity booster: Curcumin for psychoneuroimmunomodulation. *Asian Journal of Psychiatry* 53 (2020) 102378.
18. Vivek Kumar Soni, Arundhati Mehta, Yashwant Kumar Ratre, Atul Kumar Tiwari, Ajay Amit, Rajat Pratap Singh, Navneet Chaturvedi, **Dhananjay Shukla**, Naveen Kumar Vishvakarma. Curcumin, a traditional spice component, can hold the promise against COVID-19? *European Journal of Pharmacology* 886 (2020) 173551.
19. Vibha Sinha, Sapnita Shinde, Saurabh Saxena, Suresh Thakur, Tamanna Walia, Dixit V, Atul Kumar Tiwari, Naveen Kumar Vishvakarma, **Dhananjay Shukla**. A comprehensive review on Diagnostic and Therapeutic strategies for the management of Pancreatic cancer. *Critical Review in Oncogenesis* 25; 4 (2020) 381-404.
20. Sapnita Shinde, Saurabh Saxena, Vineeta Dixit, Atul Kumar Tiwari, Naveen Kumar Vishvakarma, Dhananjay Shukla. Epigenetic modifiers and their potential application in colorectal cancer diagnosis and therapy. *Critical Review in Oncogenesis*. 25; 2 (2020) 95-109.
21. SKJ Magani, SD Mupparthi, BP Gollapalli, **D Shukla**, AK Tiwari, J Gorantala, NS Yarla, S Tantravahi. Salidroside-Can it be a multifunctional drug? *Current Drug Metabolism* 21; 7 (2020) 512-524.
22. Soni V, **Shukla D**, Kumar A, Vishvakarma N. Curcumin circumvent Lactate induced chemoresistance in hepatic cancer cell line through modulation of hydroxycorboxylic acid receptor-1. *The International Journal of Biochemistry and Cell Biology 123*; (2020) 105752.

2018

23. Yadav NK, Tiwari AK, **Shukla D**, Saxena S. Prevalence of bacterial infection in blood among the patients in gurgaon, haryana and their antibiotic susceptibility pattern. *International Journal of Research and Analytical Reviews* 5; (2018) 265-271.

24. P Kumari, V Dixit, AK Tiwari, S Saxena, NK Vishvakarma, **D Shukla**. Computer assisted drug designing of traizole derivatives of noscapine as tubulin binding anticancer drug. *Asian Journal of Pharmaceutical and Clinical Research* 11; (2018) 69-57. (Impact Factor: 0.48)

2016

25. Saurabh S, **Dhananjay S**, Anju B. Expression of monocorboxylate transporter isoforms in rat skeletal muscles under hypoxic preconditioning and endurance training. *High Altitude Medicine and Biology*17; (2016) 32-42. (Impact Factor: 1.27) Citations: 8

2015

26. Yogie G, Emily H, Chunling Z, **Shukla D**, Weng T, Lin L. Platelet-derived Wnt antagonist Dickkopf-1 is implicated in ICAM-1/VCAM-1-mediated neutrophilic acute lung inflammation. *Blood* 126; (2015) 2220-2229**.** (Impact Factor**: 16.56**) Citation: 44

27. Singh SK, Naik PK, Vishwakarma NK, Dixit V, Tiwary AK, **Shukla D**. Identification and Ligand-based Virtual screening of 1,4-Dihydropyridine Analogues as Novel Calcium Channel Blockers. *International Journal of Research Studies in Biosciences 08; (2015) 107-115***.**

28. Narasaraju T, **Shukla D**, More S, Huang C, Zhang L, Xioa X, and Lin L. Role of miR-150 and glycoprotein non metastatic melanoma protein B in angiogenesis during hyperoxia induced neonatal lung injury. *American Journal of Respiratory Cell and Molecular Biology* 52; (2015)253-261. (**Equal Authorship**) (Impact Factor: **4.3)** Citation: 28

2013

29. Somadri G, **Dhananjay S**, Suman Komjeti, Jothi L, Manorama R, Satish K, Rashna Bhandari. Inositol hexakisphosphate kinase 1 maintains hemostasis in mice by regulating platelet polyphosphate level. *Blood* 122; (2013) 1478-1486. (Impact factor**: 16.56)** Citation:**78**

30. Mrinalini S, Pauline T**, Dhananjay S**, Rajkumar T, Saurabh S, Anju B. Effect of subchronic hypobaric hypoxia on oxidative stress in rat heart. *Applied Biochemistry and Biotechnology* 169; (2013) 2405-2419.

2012

31. Saurabh S, **Dhananjay S**, Anju B. Augmentation of aerobic respiration and mitochondrial biogenesis in skeletal muscles by hypoxic preconditioning with cobalt chloride. *Toxicology and Applied Pharmacology* 264; (2012) 324-334.

2011

32. **Dhananjay S**, Yasmin A, Iti G, Narendra KS, Saurabh S, Vineeta KM, Kalpana B. Identification of Haptoglobin and Apolipoprotein A-1 as biomarkers of high altitude pulmonary edema. *Functional and Integrative Genomics* 11; (2011) 407-417. (Equal Authorship)

33. **Dhananjay S**, Saurabh S, Jayamurthy P, Kalpana Shrivastava, Shirish Shukla, Mrinalini S, Swatantra KJ, Anju B. Hypoxic preconditioning with cobalt ameliorates hypobaric hypoxia induced pulmonary edema in rat. *European Journal of Pharmacology* 656; (2011) 101-109.

34. Pauline T, Anju B, Mrinalini S, **Dhananjay S**, Saurabh S. Preconditioning effect of Cobalt chloride supplementation on hypoxia induced oxidative stress in male albino rats. *Biomedicine and PreventiveNutrition* 1; (2011) 84-90.

2010

35. Mrinalini **S, Dhananjay S**, Thomas P. Saurabh S, Anju B. Hypoxic preconditioning facilitates acclimatization to hypobaric hypoxia in rat heart. *Journal of Pharmacy and Pharmacology* 62; (2010) 1729-39.

36. Saurabh S, **Dhananjay S**, Shashank S, Yasmin AK, Mrinalini S, Anju B, Sairam M, Swatantra KJ. Hypoxic preconditioning by cobalt chloride enhances endurance performance and protects skeletal muscles from exercise induced oxidative damage in rats. *Acta Physiologica* 200; (2010) 249-263.

37. Himadri P, Sarda SKS, Chitaranjan M, **Dhananjay S**. Role of oxidative stress and inflammation in hypoxia induced cerebral edema: a molecular approach. *High Altitude Medicine and Biology* 11; (2010) 231-244.

2009

38. **Dhananjay S**, Saurabh S, Jayamurthy P, Sairam M, Mrinalini S, Swatantra KJ, Anju B, Ilavazhagan G. Hypoxic preconditioning with cobalt attenuates hypobaric hypoxia induced oxidative damage in rat lung. *High Altitude Medicine and Biology* 10; (2009) 57-69.

39. Nadeem K, **Dhananjay S**, Anju B, Sairam M, Ilavazhagan G. Immunogenecity and protective efficacy of GroEL (hsp 60) of *Streptoccocuspneumonie* against lethal infection in mice. ***FEMS** Immunology and Medical Microbiology* 56; (2009) 56-62.

40. Jayamurthy P, Geetha S, **Dhananjay S**, Harinath K, Ratan K, Sawhney RC, Arumughan C. Modulation of hypoxia induced pulmonary vascular leakage in rats by Seabuckthorn (Hippophaerhamnoides L.). *Evidence Based Complementary and Alternative Medicine* 8: (2009) 1-13.

2008

41. Kalpana S, **Dhananjay S**, Anju B, Lily G, Sairam M. Cobalt chloride attenuates hypobaric hypoxia induced vascular leakage in rat brain: Molecular mechanism of action of cobalt chloride. *Toxicology and Applied Pharmacology* 231; (2008) 354-363. [Impact Factor: **3.97** Citations:**38**

42. Kalpana S, **Dhananjay S**, Anju B, Ilavazhagan G, Sairam M, and Banerjee PK; Neuroprotective effect of cobalt chloride on hypobaric hypoxia induced oxidative stress. ***Neurochemistry International*** 52; (2008) 368-375.

43. Jayamurthy P, Geetha S, **Dhananjay S**, Himani J, Harinath K, Rajesh K, Sawhney RC. Modulatory effects of sebuckthorn (Hippophaerhamnoids L) in hypobaric hypoxia induced cerebral vascular injury. *Brain Research Bulletin* 77; (2008) 246-252. [Impact factor**:** 3.44]

2006

44. Nadeem K, Anju B, **Dhananjay S**, Piyush P, Sarada SKS, Sairam M, Pratul KB. Immunogenicity and protective efficacy of Dnaj of *Streptococcus pneumoniae* in mice. *Vaccine* 24; (2006) 6225-6231. [Impact factor**:** 4.5]

45. Badri NP, Sarma HD, **Dhananjay S** and Kaushal PM. Low dose radiation induced modification of ROS and apoptosis in thymocytes of whole body irradiated mice. *International Journal of Low Radiation* 2; (2006) 111-118.

EDITED BOOKS

1. Colon Cancer Diagnosis and Therapy Vol-1. Editor: Nagaraju GP, Dhananjay Shukla, Naveen Vishvakarma. Publisher: Springer Nature. 2021 (ISBN 978-3-030-63368-4)

2. Colon Cancer Diagnosis and Therapy Vol-2. Editor: Naveen Vishvakarma Nagaraju GP, Dhananjay Shukla. Publisher: Springer Nature. 2021 (ISBN 978-3-030-64667-7)
3. Colon Cancer Diagnosis and Therapy Vol-3. Editor: Dhananjay Shukla, Nagaraju GP, Naveen Vishvakarma, Nagaraju GP. Publisher: Springer Nature. 2022 (ISBN 978-3-030-727017)

BOOK CHAPTERS

1. Vineeta Dixit, **Dhananjay Shukla**. Plants and Microbes Diversity at High Altitude. *Plants and Microbes in Ever Changing Environment* (2017) 343-363. Editor: SS Singh, Nova Science Publishers, New York, USA. [ISBN: 978-1-53610-3].

2. Manju, Tiwari AK, **Shukla D**, Saxena S**.** Mechanisms of Antimicrobial Resistance. Editor: Prabhakar PK, Mishra VK. (eds.) Antimicrobial Resistance: Opportunities and Challenges. *Nova Science Publishers***,** New York, USA. [ISBN:978-153617-9439] 2020.

3. Sapnita Shinde, Saurabh Saxena, Atul Kumar Tiwari, Vineeta Dixit, Naveen Kumar Vishvakarma, **Dhananjay Shukla**. Therapeutic options for the management of cervical cancer. Editor: Nagaraju GP (Series Ed.) *A Theranostic and Precision Medicine Approach For Female Specific Cancers*. Elsevier. USA [In Press- ISSN:978-0-12-822009-2] 2020 https://doi.org/10.1016/B978-0-12-822009-2.00010-8

4. Shukla, D., Saxena, S., Prabhakar, P.K. (2020). Recent Development in the Biomarkers for the Gastric Cancer. In: Nagaraju, G.P., Peela, S. (eds) Novel therapeutic approaches for gastrointestinal malignancies. Diagnostics and Therapeutic Advances in GI Malignancies. Springer, Singapore. https://doi.org/10.1007/978-981-15-5471-1_8

5. Arundhati Mehta, Vivek Kumar Soni, **Dhananjay Shukla**, Naveen Kumar Vishvakarma. Cyanobacteria: a potential source of anticancer drugs. *Advances in Cyanobacterial Biology* (2020) 360-384. Editor: PK Singh, Elsevier, Academic Press, USA [ISSN: 9780128193112]. https://doi.org/10.1016/B978-0-12-819311-2.00024-3

6. Vibha Sinha, Saurabh Saxena, Sanjay Kumar Pandey, Sudhakar Dwivedi, Suresh Thakur, Alexzendar Asia, Ashwini Kumar Dixit, Vineeta Dixit, Naveen Kumar Vishvakarma, **Dhananjay Shukla** (2021). Current Challenges for the Effective Management of the COVID-19 Pandemic. In: Asea, A.A.A., Kaur, P. (eds) Coronavirus Therapeutics – Volume II. Advances in Experimental Medicine and Biology, vol 1353. Springer, Cham. https://doi.org/10.1007/978-3-030-85113-2_8

7. Mehta A. et al. (2021) Short-Chain Fatty Acids as Therapeutic Agents in Colon Malignancies. In: Nagaraju G.P., Shukla D., Vishvakarma N.K. (eds) Colon Cancer Diagnosis and Therapy. Springer, Cham. https://doi.org/10.1007/978-3-030-63369-1_10

8. Gupta V. et al. (2021) Targeting Angiogenesis for Colorectal Cancer Therapy. In: Nagaraju G.P., Shukla D., Vishvakarma N.K. (eds) Colon Cancer Diagnosis and Therapy. Springer, Cham. https://doi.org/10.1007/978-3-030-63369-1_11

9. Merlin M., Prabhakar P.K., Shukla D., Tiwari A.K., Saxena S. (2021) Extracellular Vesicles in Colorectal Cancer Progression, Metastasis, Diagnosis, and Therapy. In: Vishvakarma N.K., Nagaraju G.P., Shukla D. (eds) Colon Cancer Diagnosis and Therapy. Springer, Cham. https://doi.org/10.1007/978-3-030-64668-4_17

10. Ratre Y.K. et al. (2021) Therapeutic Targeting of Glutamine Metabolism in Colorectal Cancer. In: Vishvakarma N.K., Nagaraju G.P., Shukla D. (eds) Colon Cancer Diagnosis and Therapy. Springer, Cham. https://doi.org/10.1007/978-3-030-64668-4_15

11. Shinde S. et al. (2021) Dietary Habits and Global Incidence of Colon Cancer. In: Vishvakarma N.K., Nagaraju G.P., Shukla D. (eds) Colon Cancer Diagnosis and Therapy. Springer, Cham. https://doi.org/10.1007/978-3-030-64668-4_2

12. Baghel, Vinit Singh; Shinde, Sapnita; Dixit, Vineeta; Vishvakarma, Naveen Kumar; Tiwari, Atul Kumar; Tiwari, Soumitra; Shukla, Dhananjay; Dysregulated cell-signaling pathways in hepatocellular carcinoma: causes and therapeutic options. Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma, Volume 2. 337-355 (2022) (Academic Press). https://doi.org/10.1016/B978-0-323-98807-0.00009-0

13. Soni, Vivek Kumar; Mehta, Arundhati; Ratre, Yashwant Kumar; Kumar, Chanchal; Singh, Rajat Pratap; Srivastava, Abhishek Kumar; Chaturvedi, Navaneet; Shukla, Dhananjay; Pandey, Sudhir Kumar; Vishvakarma, Naveen Kumar (2022). Antineoplastic Effects of Curcumin Against Colorectal Cancer: Application and Mechanisms. In: Shukla, D., Vishvakarma, N.K., Nagaraju, G.P. (eds) Colon Cancer Diagnosis and Therapy Vol. 3. Springer, Cham. https://doi.org/10.1007/978-3-030-72702-4_18

14. Ratre, Yashwant Kumar; Mehta, Arundhati; Sharma, Rajesh; Soni, Vivek Kumar; Shukla, Dhananjay; Tripathi, Vibhay Nath; Vishvakarma, Naveen Kumar; Glutamine metabolism in liver cancer: Role in progression and potential therapeutic targeting. Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma. 199-217 (2022) (Academic Press). https://doi.org/10.1016/B978-0-323-98806-3.00025-8

15. Sinha, Vibha; Shinde, Sapnita; Baghel, Vinit Singh; Vishvakarma, Naveen Kumar; Shukla, Dhananjay; Tiwari, Atul Kumar; Dixit, Ashwini Kumar; Pandey, Sanjay Kumar; Dwivedi, Sudhakar; Singh, Mrinalini, Dixit, Vineeta (2022). Therapeutic options for the management of hepatocellular carcinoma. Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma, Volume 3. 43-62 (Academic Press) https://doi.org/10.1016/B978-0-323-99283-1.00018-5

16. Mehta, Arundhati; Soni, Vivek Kumar; Ratre, Yashwant Kumar; Amit, Ajay; Shukla, Dhananjay; Kumar, Ajay; Vishvakarma, Naveen Kumar (2022). Role of Tumour-Associated Macrophages in Colon Cancer Progression and Its Therapeutic Targeting. In: Shukla, D., Vishvakarma, N.K., Nagaraju, G.P. (eds) Colon Cancer Diagnosis and Therapy Vol. 3. Springer, Cham. https://doi.org/10.1007/978-3-030-72702-4_10

17. Sinha, Vibha; Shinde, Sapnita; Dixit, Vineeta; Tiwari, Atul Kumar; Dixit, Ashwini K; Vishvakarma, Naveen Kumar; Pandey, Sanjay Kumar; Ekka, Alka; Singh, Mrinalini; Shukla, Dhananjay (2022). Prevention and Management of Colon Cancer by Nutritional Intervention. In:

Shukla, D., Vishvakarma, N.K., Nagaraju, G.P. (eds) Colon Cancer Diagnosis and Therapy Vol. 3. Springer, Cham. https://doi.org/10.1007/978-3-030-72702-4_13

18. Mehta, Arundhati; Rawat, Shiv Govind; Ratre, Yashwant; Soni, Vivek; Shukla, Dhananjay; Kumar, Ajay; Vishvakarma, Naveen;. Tumor-associated macrophages in prostate cancer: role in progression and therapy. Immunological Implications and Molecular Diagnostics of Genitourinary Cancer. 153-180; 2023. https://doi.org/10.1016/B978-0-323-85496-2.00028-2

19. Baghel, Vinit Singh; Shinde, Sapnita; Sinha, Vibha; Dixit, Vineeta; Tiwari, Atul Kumar; Saxena, Saurabh; Vishvakarma, Naveen Kumar; Shukla, Dhananjay; Bhatt, Prashant. Inhibitors targeting epigenetic modifications in cancer. Transcription and Translation in Health and Disease. 287-324; 2023

PLATFORM/POSTER PRESENTATIONS

1. National Seminar on *"Innovation and Research in Science, Management and Technology"* (IRSMT 2015) Department of Microbiology and Bioinformatics, Bilaspur University, Bilaspur (CG), Sept 12-13, 2016. **Invited lecture**
   Title: Identification of therapeutic targets for bronchopulmonary dysplasia

2. National conference on "Frontiers in Research and Development on Agriculture, Biomedical, Chemical and Pharmaceutical Sciences" Mewar University, Rajasthan, March 4, 2016.**Invited Lecture**
   Title: Role of miRNA-150 in pathogenesis of bronchopulmonary dysplasia

3. National Seminar on *"Innovation and Research in Science, Management and Technology"* (IRSMT 2015) Department of Microbiology and Bioinformatics, Bilaspur University, Bilaspur (CG), March 29-30, 2015. **Chaired (Technical Session).**

4. National Seminar on *"Innovation and Research in Science, Management and Technology"* (IRSMT 2015) Department of Microbiology and Bioinformatics, Bilaspur University, Bilaspur (CG), March 29-30, 2015. **Poster presentation.**
   Title: Effect of hypoxic preconditioning on gene expression profiling in hypobaric hypoxia Induced Pulmonary oedema.

5. National Seminar on *"Innovation and Research in Science, Management and Technology"* (IRSMT 2015) Department of Microbiology and Bioinformatics, Bilaspur University, Bilaspur (CG), March 29-30, 2015. **Poster presentation.**
   Title: Identification and ligand based virtual screening of……. novel calcium channel blocker.

6. *"8th National Conference on Biodiversity Conservation, Biotechnology and Environmental Management and Research*" Department of Biotechnology and Botany, Govt. New Science College, Rewa, MP, March 16-17, 2013. **Invited Lecture.**

7. "*XXXIII All India Cell Biology Conference*", School of Life Sciences, University of Hyderabad, India, December 10-13, 2009.

8. "*2nd Indian Peptide Symposium*", National Institute of Immunology, New Delhi, India, February 26-27, 2009.

9. *International symposium on "Novel strategies for targeted prevention and treatment of cancer*", School of Life Sciences, Jawaharlal Nehru University, New Delhi, India, December 19-20, 2008.

10. "*4th Congress of Federation of Indian Physiological Societies*", Defence Institute of Physiology and Allied Sciences (DIPAS), Delhi, India, January 11-13, 2007. **Poster presentation.**

11. "*33rd annual conference of Indian Immunological Society (IMMCON*)", Department of Biochemistry, All India Institute of Medical Sciences, New Delhi, India, January 28-31, 2007.
12. *International Conference on "Cardiopulmonary regulation in health and disease: molecular and systemic integration*", Vallabhbhai Patel Chest Institute, University of Delhi, India, February 22-24, 2007. **Platform presentation.**

13. *"34th Annual Conference of Association of Clinical Biochemists of India (ACBICON)*", New Delhi, India December 17-20, 2007. **Poster Presentation.**

14. "*51st Annual conference of the Association of Physiologists and Pharmacologists of India (APPICON 2005)*", Jawaharlal Institute of Postgraduate Medical Education and Research (JIPMER), Pondichery, India, December 12-15, 2005. **Platform presentation.**

Research Guidance

1. M.Sc. Biotechnology Dissertations: 42
2. Ph.D. Biotechnology: Awarded: 02 On-going: 04

Administrative Responsibilities

1. Member Board of Studies, Department of Biochemistry, PRRSU, Raipur, CG.
2. Member Departmental Research Committee, Department of Biotechnology, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh.
3. Member Board of Studies, Department of Biotechnology, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh.
4. Member, Departmental Admission Committee, Department of Biotechnology

Conference/Workshop Organized

1. Organized **National Seminar on Innovation and Entrepreneurship in Biotechnology** (26-27 Dec, 2016) Role: Joint Organizing secretory,
2. Organized **National workshop on Animal cell culture: Techniques and Application-2017** (19-25 January 2017). Role-Convenor
3. Organized **National workshop on Animal cell culture: Techniques and Application 2018** (18-24 January 2018). Role-Convenor
4. Organized **National workshop on Animal cell culture: Techniques and Application 2022** (16-22 February 2022). Role-Convenor

5. Organized **National workshop on Molecular Diagnostics: Advances and Applications 2022** (03-09 November 2022). Role-Organizing Secretory
6. Organised **Two days Hands on Training workshop on Molecular Biology Techniques-2023** (22-23 August 2023) Role: Organizing Secretory
7. Organized CBDE (Ministry of Education, Govt. of India) funded **One day workshop** on **Lateral Flow assay and its applications**. (25 March 2025) Role: Organizing Secretory