



Kirori Mal College

(University of Delhi)

University of Delhi, Delhi-110007

(Phone No. - 011-7121 9084 : Email - principal@kmc.du.ac.in)



Print Date : 19-01-2026

1. Personal Profile

Title: **Prof.** First Name: **ANITA** Last Name: **KAMRA VERMA**

Designation: **PROFESSOR** Mobile No. -----

Phone No. (Office) ----- Phone No. (Residence): -----

Email: **akverma@kmc.du.ac.in** Webpage: -----



Facebook: ----- Twitter: -----

LinkedIn: ----- Instagram: -----

Youtube: ----- Research Gate Link: -----

Google Scholar Link: -----

Address: -----

2. Educational Qualifications

Degree/ Certification	Institution	Year
B.Sc (H) Zoology	Hindu College, University of Delhi	1980
M.Sc. (Zoology)	Hindu College, University of Delhi	1982

3. Career Profile & Administrative Assignments

Category	Role/ Designation	Department/ Committee	Date From - To	Remarks
CAREER PROFILE	LECTURER	ZOOLOGY A.N. COLLEGE, BIHAR	01.Jun.1990 - 30.Jun.1998	
CAREER PROFILE	READER	ZOOLOGY A.N. COLLEGE, BIHAR	01.Jun.1998 - 30.Jun.2003	
CAREER PROFILE	ASSOCIATE PROFESSOR	ZOOLOGY Kirori Mal College, University of Delhi, Delhi-110007	01.Jul.2003 - 30.Apr.2018	

CAREER PROFILE	PROFESSOR	ZOOLOGY Kirori Mal College, University of Delhi, Delhi-110007	01.May.2018 - Till date	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ZOOLOGY Department of Zoology , University of Delhi	02.Jan.2022 - Till date	Member of Committee of courses for UG Zoology courses, University of Delhi
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ZOOLOGY UNIVERSITY OF DELHI, DELHI	01.Jan.2018 - 02.Jan.2022	Member of Departmental Research Committee (DRC), Zoology, Delhi University.
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ZOOLOGY UNIVERSITY OF DELHI, DELHI	06.Jan.2016 - 02.Jun.2022	Member of Committee of courses for UG and PG, Zoology.
ADMINISTRATIVE ASSIGNMENTS	COORDINATOR	ZOOLOGY Kirori Mal College, University of Delhi	01.Jan.2019 - Till date	Coordinator DBT-STAR College Scheme.
ADMINISTRATIVE ASSIGNMENTS	NODAL OFFICER	ZOOLOGY Kirori Mal College, University of Delhi	01.Jan.2014 - 01.Jan.2021	Nodal Officer DBT-Science Setu at Kirori Mal College, Delhi University.
ADMINISTRATIVE ASSIGNMENTS	TEACHER-IN-CHARGE	ZOOLOGY Kirori Mal College, University of Delhi	01.Jan.2009 - 01.Jan.2011	
ADMINISTRATIVE ASSIGNMENTS	TEACHER-IN-CHARGE	ZOOLOGY Kirori Mal College, University of Delhi	01.Jan.2016 - 01.Jan.2018	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	ECO CLUB Kirori Mal College, University of Delhi	01.Jul.2016 - 01.Jul.2018	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	RESEARCH COUNCIL Kirori Mal College, University of Delhi	01.Jan.2014 - 01.Jan.2016	Convener: Research and Innovation Projects
ADMINISTRATIVE ASSIGNMENTS	CONVENER	RESEARCH COUNCIL Kirori Mal College, University of Delhi	01.Jan.2015 - 01.Jan.2017	Convener: Research Development Committee.
ADMINISTRATIVE ASSIGNMENTS	CONVENER	RESEARCH COUNCIL University of Delhi	01.Jul.2015 - 01.Jul.2017	Convener: Vision 2025 Research and Innovation.
ADMINISTRATIVE ASSIGNMENTS	MEMBER	IQAC University of Delhi	01.Jan.2015 - 01.Jul.2018	
ADMINISTRATIVE ASSIGNMENTS	MEMBER	ANTI-RAGGING University of Delhi	01.Jul.2015 - 01.Jul.2017	Member, Discipline Committee for Anti-Ragging.
ADMINISTRATIVE ASSIGNMENTS	MEMBER	SPORTS COUNCIL University of Delhi	01.Jun.2014 - 01.Jul.2016	Member, Sports Committee Chess.

ADMINISTRATIVE ASSIGNMENTS	MEMBER	KIRORI MAL COLLEGE University of Delhi	01.Jan.2010 - 01.Jan.2012	Member: SPIC MACAY.
CAREER PROFILE	MEMBER	THE SPIC MACAY UNIT Kirori Mal College, University of Delhi	01.Jan.2010 - 01.Jan.2012	
ADMINISTRATIVE ASSIGNMENTS	CONVENER	ZOOLOGY Kirori Mal College, University of Delhi	01.Jan.2018 - 01.Dec.2018	Convener, Life Sciences
ADMINISTRATIVE ASSIGNMENTS	CHAIRPERSON	OTHERS University of Delhi	01.Jan.2012 - 01.Jan.2019	Chairperson, Expert Advisory Committee for Nanotechnology Dictionary.
ADMINISTRATIVE ASSIGNMENTS	CONVENER	ZOOLOGY University of Delhi	01.Jan.2013 - 01.Jan.2015	Coordinator/Convener: DST-INSPIRE, 2013-2015
CAREER PROFILE	INVITED SPEAKER	OTHERS AIIMS, New Delhi	05.Oct.2023 - 08.Oct.2023	Talk on" To evaluate the osteogenic and immune reponse of miR 214a encapsulated Lipid Nanoparticles to modulate crosstalk between osteoblast and osteoclast in 3D co-cultures.
CAREER PROFILE	INVITED SPEAKER	ZOOLOGY University of Delhi	22.Jun.2022 - 23.Jun.2022	Talk on "siRNA-Au-Chitosan nanoparticles in knockdown SOST gene for Osteoporosis therapy". Conference on "Recent Advances in Nano-medical Sciences (RANMS 2022) INMS.
CAREER PROFILE	ORGANIZER	ZOOLOGY Kirori Mal College, University of Delhi	03.Sep.2021 - 07.Sep.2021	Organized workshop on "Butterfly Week Celebration Event" in Kirori Mal College.
CAREER PROFILE	ORGANIZER	ZOOLOGY Kirori Mal College, University of Delhi	03.Feb.2021 - 05.Feb.2021	Organized Annual International Conference on "Microbial World: Recent Developments Health, Agriculture and Environment Sciences".
CAREER PROFILE	ORGANIZER	ZOOLOGY Kirori Mal College, University of Delhi	03.Feb.2021 - 05.Feb.2021	Organized Annual International Conference on "Microbial World: Recent Developments Health, Agriculture and Environment Sciences".
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	ZOOLOGY Kirori Mal College	20.Jul.2023 - Till date	
ADMINISTRATIVE ASSIGNMENTS	PROFESSOR	PORTAL COMMITTEE Kirori Mal College	28.Jul.2023 - Till date	

4. Other Profiles

Other Profile Name/ Description

PATENTS

INTERNATIONAL

USA Patent

PROCESS FOR ISOLATION AND SYNTHESIS OF 1-(3,4 METHYLENEDIOXY PHENYL)-1E-TETRADECENE AND ITS PUBLICATIONS ANALOGUES AND THEIR ACTIVITIES AGAINST TUMORS AND INFECTIONS

Inventors

Shakti N. Upadhyay; Ram A. Vishwakarma; Sabari Ghosal; Supriya Shukla; Chanda Bose; **Anita Kamra**

PATENTS

NATIONAL

"IMMUNOMODULATORY COMPOUND FOR TREATING CANCER"

Inventors:

Ram Avtar Vishwakarma, Sabri Ghosal, Supriya Shukla, Shakti Nath Upadhyay, Chanda Bose, **Anita Kamra**, Suman Dhawan

UG/ PG RESEARCH PROJECTS/ INTERNSHIPS

UG Project under DBT Star College Scheme

"To study the effect of various concentrations of Paracetamol on the gut microbiota of wistar rats"

Mr. Dolar

B.Sc (Prog) Life Sciences

PATENTS

(1)Upadhyay S.N, Vishwakarma R.A, Ghosal S, Shukla S, Bose C and Kamra, A (1999) Process of isolation and synthesis of 1-(3,4-methylenedioxy-phenyl)-1E-tetradecene and its analogues and a method for activation of effector mechanisms of the immune system against tumours/and or infections using formulations containing these compounds (US Patent allowed on application # 08/865,152).

(2)Ram A. Vishwakarma, Shabri Ghosal, Supriya Shukla, S.N. Upadhyay, Chhanda Bose, Anita Kamra, & Suman Dhawan: Process for the isolation of an immunomodulatory compound NII 30, capable of activating the immune system, Chemical synthesis of the said product and its use in prevention/treatment of cancer. (Patent No.: 172Del'97. Dated: 22 Jan '97).

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Fellow, Delhi School of Public Health, Institution of Eminence, University of Delhi.

(2022-2024)

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Member, Curriculum Committee for FYUP, CBCS and LOCF.

(2014, 2016, 2019).

Selection Boards

- Project Assessment Committee, LSRB; Since 2021- continuing
- Expert, Biotechnology Manual for Class XI & XII at NCERT (2020-continuing)

Reviewer & Editor:

(1) Review Editor: Frontiers in Immunology – Cancer Immunity and Immunotherapy [IF:7.5]

(2) Cellular and Molecular Life Sciences (Springer Science)[IF: 9.24].

(3) Antioxidants & Redox Signaling (Mary Ann Liebert Inc, New York, USA) [IF: 8.337].

(4) Clinical Science(Portland Press, London, UK) [IF: 5.220].

(5) Scientific Reports (Springer Nature Publishing AG, USA) [IF: 4.525]

(6) iScience (Cell Press)

(7) International Journal of Biotechnology & Biochemistry (IJBB) (Elsevier) [IF: 5.5]

(8) International Journal of Nanomedicine [IF: 7.525]

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Member Expert, Curriculum Committee, BOSSE, Biotechnology Syllabus for Senior Secondary.

(2022-2024)

SYLLABUS FORMATION

Designed the curriculum M.Tech (Nanoscience and Nanotechnology)

Classes for 3rd semester (Paper 304- Introduction to Biology) and 5th semester (Paper 502- Advanced Nano Biotechnology including nanomedicine and nano diagnostics) were also taught at Nanobiotech Lab, Kirori Mal College from 2011-2017).

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

FDP on Environmental Audit.

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Innovation in Scientific Research Methods.

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Advanced Spectroscopy~ 75 faculty

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Biochemistry of Metabolic Processes ~30 faculty

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Immunology ~30 College Faculty.

FACULTY DEVELOPMENT PROGRAM (FDP) ORGANIZED

Resource Person at CDPHE, Refresher Course in "Trends in Physiology".

OTHERS

Expert for Biotechnology Manual for class XI and XII at The National Council of Educational Research and Training (NCERT).

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Member of the selection committee for the prestigious Khorana Scholar program which has been partnered by Department of Biotechnology (DBT), Government of India, Indo-U.S. Science and Technology forum(IUSSTF) and WINStep forward for the past four years.

OTHERS

Team leader of the Indian Delegates for an International Program on " Reservation and Exploration of Herbal Medicine Resources for Asian Countries" funded by Ministry of Commerce, People's Republic of China.

From 19-August-2015 to 8-september-2015

MEMBERSHIPS IN ACADEMIC/ PROFESSIONAL BODIES

Staff Advisor for Zoological Society, 2010, 2013, 2016, 2019.

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Organized Certificate on hybrid mode Nanobiotechnology (NBT) for students under DBT Star College Scheme in Kirori Mal College, October 2022.

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Organized Certificate on hybrid mode Nanobiotechnology (NBT) for students under DBT Star College Scheme in Kirori Mal College, October 2022.

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Organized workshop on Nanomedicine: Biomolecules for Human Health (NBHH-2021).

Small Molecules, Big Opportunities!! for undergraduate students under DBT Star College Scheme in Kirori Mal College (5-october-2021).

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Organized workshop on Nanomedicine: Biomolecules for Human Health (NBHH-2021).

Small Molecules, Big Opportunities!! for undergraduate students under DBT Star College Scheme in Kirori Mal College (5-october-2021).

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Organized webinar on "World Environment Day" on 5th June 2021 in collaboration with Department of Botany and Zoology, Kirori Mal College under DBT Star Scheme.

WORKSHOP/ SEMINAR/ CONFERENCE/ WEBINAR ORGANIZED

Organized conference on "International Immunology Day" in Department of Zoology under the aegis of DBT Star College on date 29th April 2021.

UG/ PG RESEARCH PROJECTS/ INTERNSHIPS

Projects under DBT Star College Scheme

1. Ravia Kaur Chadha 2023: **“Dose dependant anti-bacterial effect of spices- cinnamon, black pepper and turmeric on *Escherichia coli* and *S. aureus*”**
2. Ishita Panthri **“Study of effect of light on Bacterial culture (*Escherichia coli* and *S. aureus*)”** from 27 June 2023 to 7 August 2023
3. Durgesh Saini 2023: **“Role of oral stimulation of sweet taste on pancreatic insulin release in Balb-c mice”**
4. Amrita Kaur 2023: **“Antimicrobial properties of essential oils on *Escherichia coli* and *S. aureus*”** SGTB Khalsa College,
5. Divya Yadav 2023: **“Assessment of Anti-microbial Activity from Lemon Extracts Derived from its Peels and Seeds”**

5. Research Guidance

Year	Guide For	Title of the Dissertation/ Thesis	Scholar Name	Status
2001	Ph. D.	A study on the identification and characterization of Non-mulberry silk proteins of Philosamia ricini	Raies Ahmed	Complete
2008	Ph. D.	Development of Novel drug delivery system against tumors	Kumar Sachin	Complete
2010	Ph. D.	Synergistic effect of nanoparticles and their payload on the DNA damage in Cancer Therapy	Abhishek Chanchal	Complete
2013	Ph. D.	Pharmacodynamics of systemically administered pH sensitive biopolymeric nanoparticles carrying Doxorubicin for cancer therapeutics	Md Najmul Islam	Complete
2013	Ph. D.	Understanding the immune response and oxidative stress by secretory proteins of Mycobacterium tuberculosis encapsulated in chitosan nanoparticles in Murine mode	Ramendra Pati Pandey	Complete
2016	Ph. D.	Design and use of diagostic approaches including nanoparticles in immunological investigations of haemolytic uremic syndrome	Bahadur Singh Gurjar	Complete
2017	Ph. D.	Design and Development of pH Responsive Chitosan and Glycol Chitosan nanoparticles to Ameliorate Experimental Inflammatory Arthritis in Rat Model	Vijay Kumar	Complete
2017	Ph. D.	Overcpming Cisplatin resistance in Ovarian cancer	Ankita Leekha	Complete
2018	Ph. D.	Design and Development of multifunctional bioceramic nanoparticles for synergistic targeting to rheumatoid arthritis	Sweta Pandey	Complete
2019	Ph. D.	Metabolic pathways altered by Etoposide Loaded Gelatin nanoparticles in breast cancer: Assessing ROS induced Apoptosis or Necroptosis and in-vivo tumor regression'	Imran Moin	Complete
2019	Ph. D.	"Bio-evaluation of metabolic activities by altering the core in Quantum Dots (QDs) against Hepatocellular carcinoma: in vitro mechanistic studies and in vivo tumor inhibition"	Aakriti Tyagi	Complete
2021	Ph. D.	Redox-resetting of Cisplatin-resistant ovarian cancer cells by Cisplatin encapsulated Nanostructured-Lipid Carriers (CisNLC); in vivo Pharmacokinetics and Toxicity	Disha Mittal	Complete
2021	Ph. D.	Studying unfolding of zebrafish Dihydrofolate Reductase protein by various denaturants and evaluation of the role of denatured state in it's refolding yield	Vaishali Acharya	Complete
2021	Ph. D.	"Understanding the Role of Nano Particles in the Folding, Stability and Aggregation Properties of DHFR Protein"	Preeti Gupta	Complete
2023	Ph. D.	To evaluate osteogenic effects of Resveratrol encapsulated Nanostructured Lipid Carrier (ResNLC) & Role of Lipid Nanoparticles containing miR-214a (LNP-miR-214a) in regulating bone resorption to attain bone remodeling in Osteoporosis	Largee Biswas	Complete
2023	Ph. D.	Exploiting macrophages targeted therapeutics using dual-functional folate decorated berberine-loaded glycol chitosan nanoparticles to combat inflammatory arthritis in AIA Rat model and CVD risk via LPA mediated ATX-LPA signaling by polarized macrophages	Vikas Shukla	Complete

2024	Ph. D.	"Role of Nitrosative Stress in Targeting Autophagy: Elucidating Signaling pathways induced by combinatorial therapy of Gambogic Acid-Carboplatin"	Kapil Dangi	Submitted
2024	Ph. D.	"To Engineer, Characterize and Evaluate Redox-responsive Mesoporous Silica Nanoparticles for co-delivery of SiRNA and Paclitaxel targeting Osteolytic bony metastasis in breast carcinoma: in-vitro and in vivo approach"	Karishma Niveria	Awarded
2024	Ph. D.	"Carboplatin encapsulated hybrid Nanoparticles mediated alteration of EMT dynamics: To study the interplay of cytokines with Akt/NF-kB/Snail pathway in NSCLC (A549 & H1299) and ROS-mediated autophagy in C57BL/6 mice"	Monika Yadav	Awarded
2025	Ph. D.	"Magnetotherapy targeting F-ChMNP/FA mediated redox rewiring and macrophage reprogramming to alleviate inflammation both in-vitro and in-vivo"	Priyanka Singh	Awarded
2025	Ph. D.	----	Mansi Malik	Pursuing
2025	Ph. D.	----	Pooja Yadav	Pursuing

6. Research Projects

Year	Title of Project	Sponsorship Agency	Duration	Amount Sanctioned	Date of Sanction
2022	Immunological validation and protective efficacy of multi-epitope vaccine constructs designed from Mycobacterium tuberculosis dormancy associated proteins Rv2627c and Rv2628 in mouse model of tuberculosis.	DST-SERB	3 years	1,37,500	24.Aug.2022
2022	To evaluate the Osteogenic response of MC3T3-E1 and RAW264.7 IN 3-D-Co-Culture Environment using Lipid Nanoparticles to deliver MicroRNA.	Institution of Eminence	1 year	1,99,452	23.Dec.2022
2022	Targeted, drug-loaded nanoscale metal organic framework for photothermal therapy activated immunotherapy in metastatic breast cancer.	Institution of Eminence	3 years	23,50,000	01.Aug.2022
2023	'Sertraline intervention for enhancing anti-TB therapeutic regimen (SINERG) to see the effect of the Sertraline as adjunct to ATT. ICMR	ICMR/IGIB	12 months	Rs 5,28,200 + Rs 4,00,000	20.Mar.2023
2023	"Evaluation of immunogenicity and protective efficacy of an epitope-based vaccine designed from late-stage-specific, antigenic PE/PPE proteins of Mycobacterium tuberculosis in human PBMC and mouse model."	ICMR	5		14.Nov.2023

7. Publications

Category	Publication Name	Title	Name of Author	Reference Link/ DOI Link

JOURNAL PAPER (National)	Downmodulation of lysophosphatidic acid by Berberine loaded folate-conjugated glycol chitosan nanoparticles (BFGCN) to mitigate Rheumatoid arthritis (RA) & Cardio-vascular disease(CVD): Current knowledge and future perspectives	Indian Journal of Biochemistry and Biophysics	Vikas Shukla ,Anita Kamra Verma (Corresponding Author)	10.56042/ijbb.v59i4.61949
JOURNAL PAPER (International)	Nanoparticles for combined photo- and chemodynamic therapy of cancer cells involving endogenous glutathione depletion	Nanomedicine	Ashi Mittal, Monika Yadav ,Largee Biswas ,Anita Kamra Verma, Indrajit Roy (Corresponding Author)	10.2217/nnm-2023-0047
JOURNAL PAPER (International)	Comparative analysis of cobalt ferrite and iron oxide nanoparticles using bimodal hyperthermia, along with physical and in silico interaction with human hemoglobin	Journal of Materials Chemistry B	Kritika, Megha Pant, Monika Yadav, Anita Kamra Verma, ajit Kumar Mahapatro, Indrajit Roy (Corresponding Author)	10.1039/D2TB02447K
JOURNAL PAPER (International)	Engineering biosafe Cisplatin loaded Nanostructured Lipid Carrier: Optimization, Synthesis, Pharmacokinetics and Biodistribution	Journal of Microencapsulation	Disha Mittal, Archu Singh,Kanchan Kohli, Anita Kamra Verma (Corresponding Author)	10.1080/02652048.2022.2131919
JOURNAL PAPER (International)	Overcoming challenges to enable targeting of metastatic breast cancer tumour microenvironment with Nano-therapeutics: current status and future perspectives	OpenNano	Karishma Niveria, Monika Yadav, Kapil Dangi , Anita Kamra Verma (Corresponding Author)	10.1016/j.onano.2022.100083
JOURNAL PAPER (International)	Paradoxical role of reactive oxygen species in bone remodelling: implications in osteoporosis and possible nanotherapeutic interventions	Exploration of Medicine	Largee Biswas ,Karishma Niveria ,Anita Kamra Verma (Corresponding Author)	10.37349/emed.2022.00102

JOURNAL PAPER (International)	Combinatorial delivery of Ribociclib and Green tea extract mediated nanostructured lipid carrier for oral delivery for the treatment of breast cancer synchronizing in silico , in vitro , and in vivo studies	Journal of Drug Targeting	Ali Sartaj, Annu , Meraj Alam ,Largee Biswas, Mohammad Shahar Yar, Showkat Rasool Mir ,Anita Kamra Verma ,Sanjula Baboota ,Javed Ali (Joint Author)	10.1080/1061186X.2022.2104292
JOURNAL PAPER (International)	Ethanol and Acetic Acid Induces Conformational Changes in Zebrafish Dihydrofolate Reductase Protein	Asian Journal of Chemistry	Vaishali V. Acharya ,Anita Kamra Verma ,Pratima Chaudhuri (Corresponding Author)	10.14233/ajchem.2022.23734
JOURNAL PAPER (International)	Solid Self-Nano Emulsifying Nanoplatform Loaded with Tamoxifen and Resveratrol for Treatment of Breast Cancer	Pharmaceutics	Nupur Shrivastava, Ankit Parikh, Rikeshwer P. Dewangan, Largee Biswas, Anita Kamra Verma, Saurabh Mittal ,Javed Ali, Sanjay Garg, Sanjula Baboota (Joint Author)	10.3390/pharmaceutics14071486
JOURNAL PAPER (International)	Hypoxia?induced miR?210?3p expression in lung adenocarcinoma potentiates tumor development by regulating CCL2?mediated monocyte infiltration	Molecular Oncology	Leena Arora, Debarun Patra, Soumyajit Roy, Sidhanta Nanda, Navneet Singh, Anita Kamra Verma ,Anuradha Chakraborti ,Suman Dasgupta, Durba Pal (Joint Author)	10.1002/1878-0261.13260

JOURNAL PAPER (International)	Development of a Multicellular 3D Tumor Model to Study Cellular Heterogeneity and Plasticity in NSCLC Tumor Microenvironment	Frontiers in Oncology	Leena Arora, Moyna Kalia, Suman Dasgupta, Navneet Singh, Anita Kamra Verma, Durba Pal (Joint Author)	10.3389/fonc.2022.881207
JOURNAL PAPER (International)	Rationalizing the Use of Polyphenol Nano-formulations in the Therapy of Neurodegenerative Diseases	CNS & Neurological Disorders - Drug Targets	Namrata Kumari, Nagarjuna Daram, Dr Md Sabir Alam, Anita Kamra Verma (Joint Author)	10.2174/1871527321666220512153854
JOURNAL PAPER (International)	Microwave-Assisted Synthesis of 4-Aryl-1,4-dihydropyridines as Potent Anticancer Agent and Their In-Silico Studies	ChemistrySelect	Rakesh Kumar, Neha Yadav, Harshita Jain, Nidhi Deswal, Ravindra Kumar Upadhyay, Ankita Leekha, Anita Kamra Verma, Abdul Kareem, Rajasekhar Chikati, Lalita S Kumar (Joint Author)	10.1002/slct.202104129
JOURNAL PAPER (National)	Nano-therapeutic efficacy of green synthesized gold nanoparticles (gAuNPs) and its antibacterial efficacy	Indian Journal of Biochemistry and Biophysics	Vivan Yagnik Setia, Kapil, Kapil Dangi, Largee Biswas, Priyanka Singh, Anita Kamra Verma (Corresponding Author)	10.56042/ijbb.v59i4.61929
JOURNAL PAPER (International)	Nano-immunotherapeutics: targeting approach as strategic regulation at tumor microenvironment for cancer treatment	Exploration of Medicine	Priyanka Singh, Monika Yadav, Karishma Niveria, Anita Kamra Verma (Corresponding Author)	10.37349/emed.2022.00072

JOURNAL PAPER (International)	Ribociclib Nanostructured Lipid Carrier Aimed for Breast Cancer: Formulation Optimization, Attenuating In Vitro Specification, and In Vivo Scrutinization	BioMed Research International	Ali Sartaj ,Annu ,Largee Biswas ,Anita Kamra Verma,P. K. Sahoo P. K. Sahoo, Sanjula Baboota ,Javed Ali (Joint Author)	10.1155/2022/6009309
JOURNAL PAPER (National)	Chemical denaturants induced folding unfolding pathway of the recombinant zebrafish dihydrofolate reductase	Indian Journal of Biochemistry and Biophysics	Vaishali V. Acharya ,Anita Kamra Verma ,Pratima Chaudhuri (Corresponding Author)	
JOURNAL PAPER (International)	Unravelling the Therapeutic Potential of Gambogic Acid: Deciphering Its Molecular Mechanism of Action and Emerging Role as an Anticancer Xanthone	Current Research in Complementary & Alternative Medicine	Kapil Dangi, Karishma Niveria, Indrakant K. Singh, Anita K. Verma (Corresponding Author)	
JOURNAL PAPER (International)	Biogenic synthesis of gold nanoparticles using dual extract of tulsi-Vinca for breast cancer tumor regression in mice	Nanomedicine	Ravi Pratap, Karishma Niveria, Saurabh Kumar Srivastava, Shilpi Chaudhary, Poonam Sharma, Anita Kamra Verma, Avanish Parmar (Corresponding Author)	10.2217/nnm-2023-0208

JOURNAL PAPER (International)	3D Printable, injectable Amyloid-based composite Hydrogel of Bovine Serum Albumin-Aloe Vera for Rapid Diabetic Wound Healing	Journal of Materials Chemistry B	Kaustubh Naik, Priyanka Singh, Monika Yadav, Saurabh Kr Srivastava, Shikha Tripathi, Rahul Ranjan, Prodyut Dhar, Anita Kamra Verma, Shilpi Chaudhary and Avanish Singh Parmar (Corresponding Author)	10.1039/D3TB01151H
JOURNAL PAPER (International)	Comparative analysis of cobalt ferrite and iron oxide nanoparticles using bimodal hyperthermia, along with physical and in silico interaction with human hemoglobin	Journal of Materials Chemistry B	Kritika, Megha Pant, Monika Yadav, Anita Kamra Verma, Ajit K. Mahapatro and Indrajit Roy (Corresponding Author)	10.1039/D2TB02447K
JOURNAL PAPER (International)	Nanosensors: Next Generation Nanotechnology for Sustainable Agriculture	SSRN Electronic Journal	Kapinder Kumr, Kriti Bhardwaj, Anita K. Verma (Corresponding Author)	10.2139/ssrn.3983087
JOURNAL PAPER (International)	Drug adsorption and anti-microbial activity of functionalized multiwalled carbon nanotubes	Advances in nano research	Megha Saxena, Disha Mittal ,Richa Boudh ,Kapinder Kumar ,Anita Kamra Verma, Reena Saxena (Corresponding Author)	https://doi.org/10.12989/anr.2021.11.6.667
JOURNAL PAPER (International)	Investigating the Chaperoning Effect of Nanoparticles in Chemically Denatured zDHFR: An in vitro Study	Asian Journal of Chemistry	Preeti Gupta, Anita Kamra Verma, P. Chaudhuri (Corresponding Author)	10.14233/ajchem.2021.23372

JOURNAL PAPER (International)	Redox resetting of cisplatin-resistant ovarian cancer cells by cisplatin-encapsulated nanostructured lipid carriers	Nanomedicine	Disha Mittal ,Largee Biswas ,Anita Kamra Verma (Corresponding Author)	10.2217/nnm-2020-0400
JOURNAL PAPER (International)	FeCo nanoparticles as antibacterial agents with improved response in magnetic field: An insight into the associated toxicity mechanism	Nanotechnology	Moditma Moditma ,Priyanka Singh ,Raksha Sharma, Anita Kamra Verma ,Annapoorni Subramanian (Corresponding Author)	10.1088/1361-6528/abfa53
JOURNAL PAPER (International)	Iron Oxide-Based Magneto-Optical Nanocomposites for In Vivo Biomedical Applications	Biomedicines	Nisha Lamichhane ,Shalini Sharma ,Parul ,Anita Kamra Verma, Indrajit Roy, Tapas Sen (Corresponding Author)	10.3390/biomedicines9030288
JOURNAL PAPER (International)	Targeting nonapoptotic pathways with functionalized nanoparticles for cancer therapy: Current and future perspectives	Nanomedicine	Monika Yadav ,Karishma Niveria ,Tapas Sen ,Indrajit Roy ,Anita Kamra Verma (Corresponding Author)	10.2217/nnm-2020-0443
JOURNAL PAPER (International)	In vitro Toxicogenomics of Etoposide Loaded Gelatin Nanoparticles and Its in-vivo Therapeutic Potential: Pharmacokinetics, Biodistribution and Tumor Regression in Ehrlich Ascites Carcinoma (EAC) Mice Model	Frontiers in Nanotechnology	Imran Moin, Largee Biswas ,Mohammad Zafaryab ,Namrata Kumari ,Ankita Leekha ,Disha Mittal ,Anita Kamra Verma (Corresponding Author)	10.3389/fnano.2021.624083

JOURNAL PAPER (International)	3D printed scaffolds for tissue engineering applications: Mechanical, morphological, thermal, in-vitro and in-vivo investigations	CIRP Journal of Manufacturing Science and Technology	Nishant Ranjan, Rupinder Singh, Inderpreet SINGH Ahuja ,Ranvijay Kumar ,Divya Singh ,Seema Ramniwas, Anita Kamra Verma, Disha Mittal (Corresponding Author)	10.1016/j.cirpj.2021.01.002
JOURNAL PAPER (International)	Efficient & eco-friendly smart nano-pesticides: Emerging prospects for agriculture	Materials Today Proceedings	Kapinder , Kapil Dangi , Anita Kamra Verma (Corresponding Author)	10.1016/j.matpr.2021.03.211
JOURNAL PAPER (International)	Bio-inspired nanoparticles for artificial photosynthesis	Materials Today Proceedings	Renu Kathpalia , Anita K. Verma (Corresponding Author)	10.1016/j.matpr.2021.03.214
JOURNAL PAPER (International)	Corona Outbreak: Is it Nature's wake-up Call?	International Journal of Applied Biology and Pharmaceutical Technology	Kapinder, Kriti Bhardwaj, Anita Kamra Verma (Corresponding Author)	
JOURNAL PAPER (International)	Novel 1-Triazolylpyranopyrazoles as Highly Potent Anticancer Agents Obtained via MW-Assisted Synthesis	Chemistry Select	Dr. Rakesh Kumar, Dr. Neha Yadav, Ankita Leekha, Rashim Bawa, Dr. Parveen Gahlyan, Dr. Mamta Bhandari, Dr. Ritu Arora, Dr. Anita Kamra Verma, Prof. Rita Kakkar (Joint Author)	10.1002/slct.202003680

JOURNAL PAPER (International)	Review of Coveralls, Gowns, and their Use as Part of Personal Protective Equipment (PPE KIT) for Effective Protection of Healthcare Workers in India in COVID-19	Integrative Journal of Medical Sciences	Raag Setia, Anita Kamra Verma (Corresponding Author)	10.15342/ijms.2021.329
JOURNAL PAPER (International)	Hyaluronate-functionalized hydroxyapatite nanoparticles laden with methotrexate and teriflunomide for the treatment of rheumatoid arthritis	International Journal of Biological Macromolecules	Shweta Pandey, Nishant Rai , Asiya Mahtab , Disha Mittal , Farhan Jalees Ahmad , Nidhi Sandal , Yub Raj Neupane , Anita Kamra Verma , Sushama Talegaonkar (Corresponding Author)	10.1016/j.ijbiomac.2020.12.204
JOURNAL PAPER (International)	A versatile tool in controlling aggregation and Ag nanoparticles assisted in vitro folding of thermally denatured zDHFR	Biochemistry and Biophysics Reports	Preeti Gupta , Ritu Verma , Anita Kamra Verma , Pratima Chaudhuri Chattopadhyay (Joint Author)	https://doi.org/10.1016/j.bbrep.2020.100856
JOURNAL PAPER (International)	Nano-theragnostic Approach to Mitigate Covid-19	Journal of Nanomedicine & Nanotechnology	Anita Kamra Verma (Sole Author)	10.35248/2157-7439.20.10.545
JOURNAL PAPER (International)	Use Chou's 5-steps rule to evaluate protective efficacy induced by antigenic proteins of Mycobacterium tuberculosis encapsulated in chitosan nanoparticles	Elsevier	Ramendra Pati Pandey , Santosh Kumar , Saheem Ahmad , Arpana Vibhuti , V. Samuel Raj , Anita Kamra Verma , Pawan Sharma , Elcio Leal (Joint Author)	10.1016/j.lfs.2020.117961

JOURNAL PAPER (International)	Role of folate-conjugated glycol-chitosan nanoparticles in modulating the activated macrophages to ameliorate inflammatory arthritis: in vitro and in vivo activities	Drug Delivery and Translational Research	Vijay Kumar, Ankita Leekha, Ankur Kaul, Anil Kumar Mishra & Anita Kamra Verma (Corresponding Author)	10.1007/s13346-020-00765-w
JOURNAL PAPER (International)	Assessing the potential of lignin nanoparticles as drug carrier: Synthesis, cytotoxicity and genotoxicity studies	International Journal of Biological Macromolecules	Lubna Siddiqui , Janmejaya Bag , Seetha , Disha Mittal , Ankita Leekha , Harshita Mishra , Monalisa Mishra , Anita K. Verma , Pawan K. Mishra , Adam Ekielski , Zeenat Iqbal , Sushama Talegaonkar (Corresponding Author)	10.1016/j.ijbiomac.2020.02.311
JOURNAL PAPER (International)	On 3D printed scaffolds for orthopedic tissue engineering applications	SN Applied Sciences , Springer	Nishant Ranjan, Rupinder Singh, I. P. S. Ahuja, Ranvijay Kumar, Jatenderpal Singh, Anita K. Verma & Ankita Leekha (Joint Author)	10.1007/s42452-020-1936-8
JOURNAL PAPER (International)	Modulation of Oxidative Stress by Doxorubicin Loaded Chitosan Nanoparticles	Journal of Cancer Research and Practice	Ankita Leekha Vijay Kumar Imran Moin Bahadur Singh Gurjar Anita Kamra Verma (Corresponding Author)	10.4103/JCRP.JCRP_18_18

JOURNAL PAPER (International)	Design and Development of Bioinspired Calcium phosphate nanoparticles of MTX: Pharmacodynamic and Pharmacokinetic evaluation	Drug Development and Industrial Pharmac	Shweta Pandey, Asiya Mahtab, Vijay Kumar, Farhan Ahmad, Anita Kamra Verma, Sushama Talegaonkar (Corresponding Author)	10.1080/03639045.2019.1602139
JOURNAL PAPER (International)	Quality by design driven development and optimization of teriflunomide loaded nanoliposomes for treatment of rheumatoid arthritis: An in vitro and in vivo assessments	Journal of Drug Delivery Science and Technology	Asiya Mahtab, Md Rizwanullah, Shweta Pandey, Ankita Leekha, Syed Arman Rabbani, Anita Kamra Verma, Mohd. Aqil, Sushama Talegaonkar (Joint Author)	10.1016/j.jddst.2019.03.008
JOURNAL PAPER (International)	Copper-Gallic Acid Nanoscale Metal–Organic Framework for Combined Drug Delivery and Photodynamic Therapy	ACS Applied Bio Materials	Shalini Sharma, Disha Mittal, Anita Kamra Verma, Indrajit Roy (Corresponding Author)	10.1021/acsabm.9b00116
JOURNAL PAPER (International)	Hyaluronated Imatinib Liposomes with Hybrid approach to Target CD44 and P-gp Overexpressing MDR Cancer: An In-vitro, In-vivo and Mechanistic Investigation	Journal of Drug Targeting	Lalit Mohan Negi, Sushama Talegaonkar, Manu Jaggi & Anita K Verma (Joint Author)	10.1080/1061186X.2018.1497039
JOURNAL PAPER (International)	Co-Delivery of Teriflunomide and Methotrexate from Hydroxyapatite Nanoparticles for the Treatment of Rheumatoid Arthritis: In Vitro Characterization, Pharmacodynamic and Biochemical Investigations	Pharmaceutical Research	Shweta Pandey, Vijay Kumar, Ankita Leekha, Nishant Rai, Farhan Ahmad, Anita Kamra Verma, Sushama Talegaonkar (Joint Author)	10.1007/s11095-018-2478-2

JOURNAL PAPER (International)	Crosstalk of ER Stress, Mitochondrial Membrane Potential and ROS Determines Cell Death Mechanisms Induced by Etoposide Loaded Gelatin Nanoparticles in MCF-7 Breast Cancer Cells	Journal of Nanomedicine & Nanotechnology	Imran Moin, Largee Biswas, Disha Mittal, Ankita Leekha, Namrata Kumari and Anita K. Verma (Corresponding Author)	10.4172/2157-7439.1000513
JOURNAL PAPER (International)	Biodistribution and In-vivo Efficacy of Doxorubicin Loaded Chitosan Nanoparticles in Ehrlich Ascites Carcinoma (EAC) Bearing Balb/c Mice	Journal of Nanomedicine & Nanotechnology	Anita Kamra Verma, Ankita Leekha, Vijay Kumar, Imran Moin and Suresh Kumar (Corresponding Author)	10.4172/2157-7439.1000510
JOURNAL PAPER (International)	Investigations for mechanical properties and biocompatibility of SS-316L implant prepared as rapid investment casting for batch production	Sadhana	Jaspreet Singh, Rupinder Singh, Harwinder Singh & Anita Kamra Verma (Joint Author)	10.1007/s12046-018-0837-7
JOURNAL PAPER (International)	In-vitro studies of SS 316 L biomedical implants prepared by FDM, vapor smoothing and investment casting	Composites Part B Engineering	Daljinder Singh , Rupinder Singh , K.S. Boparai c, Ilenia Farina , Luciano Feo , Anita Kamra Verma (Corresponding Author)	10.1016/j.compositesb.2017.08.019
JOURNAL PAPER (International)	Combined Raloxifene and Letrozole for Breast Cancer Patients	Archives of Medical Research	Divya Vohora , Abul Kalam , Ankita Leekha , Sushama Talegaonkar , Anita Kamra Verma (Joint Author)	I:10.1016/j.arcmed.2017.11.012

JOURNAL PAPER (International)	Preparation and evaluation of biopolymeric nanoparticles as drug delivery system in effective treatment of rheumatoid arthritis	Pharmaceutical Research	Vijay Kumar, Ankita Leekha, Aakriti Tyagi, Ankur Kaul, Anil Kumar Mishra & Anita Kamra Verma (Corresponding Author)	10.1007/s11095-016-2094-y
JOURNAL PAPER (International)	Synthesis, Characterization And Bio-evaluation Of Core-Shell QDs With ZnSe, CdS And CdSe Combinations	Advanced Materials Letters	Sreenu Bhanoth ,Anuraj Kshirsagar, Pawan K Khanna ,Aakriti Tyagi, Ankita Leekha ,Vijay Kumar ,Anita Verma (Corresponding Author)	https://doi.org/10.5185/amlett.2017.6495
JOURNAL PAPER (International)	Cytotoxicity Studies Of II-VI Semiconductor Quantum Dots On Various Cancer Cell Lines	Advanced Materials Letters	Sreenu Bhanoth, Aakriti Tyagi ,Anita K. Verma ,Pawan K. Khanna (Corresponding Author)	10.5185/amlett.2017.6456
JOURNAL PAPER (International)	Elucidation of Glutathione-S-transferase Activity Induced by Pectin- Cisplatin Nano-conjugates for Optimization of New Therapeutic Strategies	Journal of Nanomedicine & Nanotechnology	Ankita Leekha, Anita K. Verma (Corresponding Author)	10.4172/2157-7439.1000391
JOURNAL PAPER (International)	Vitamin C in synergism with cisplatin induces cell death in cervical cancer cells through altered redox cycling and p53 upregulation	Journal of Cancer Research and Clinical Oncology	Ankita Leekha, Bahadur S. Gurjar, Aakriti Tyagi, Moshahid A. Rizvi & Anita K. Verma (Corresponding Author)	10.1007/s00432-016-2235-z

JOURNAL PAPER (International)	E-Cadherin Aptamer- Conjugated Delivery of Doxorubicin for Targeted Inhibition of Prostate Cancer Cells	Australian Journal of Chemistry	Resham Chaudhary A , Kislay Roy A , Rupinder K. Kanwar A , Rakesh N. Veedu B C , Subramanian Krishnakumar D E , Chun Hei Antonio Cheung F G , Anita K. Verma H and Jagat R. Kanwa (Joint Author)	:10.1071/CH16211
JOURNAL PAPER (International)	Synergistic anticancer efficacy of Bendamustine Hydrochloride loaded bioactive Hydroxyapatite nanoparticles: In-vitro, ex- vivo and in-vivo evaluation	Colloids and Surfaces B Biointerfaces	Shindu C. Thomas , Harshita Sharma , Purnima Rawat , Anita K. Verma , Ankita Leekha, Vijay Kumar , Aakriti Tyagi , Bahadur S. Gurjar , Zeenat Iqbal , Sushama Talegaonkar (Joint Author)	10.1016/j.colsurfb.2016.07.035
JOURNAL PAPER (International)	Fabrication of three dimensional open porous regular structure of PA-2200 for enhanced strength of scaffold using selective laser sintering	Rapid Prototyping Journal	Jatender Pal Singh, Pulak M. Pandey, Anita Kamra Verma (Joint Author)	10.1108/RPJ-11-2014-0148
JOURNAL PAPER (International)	Synthesis, Characterization And Bio-evaluation Of Core- Shell QDs With ZnSe, CdS And CdSe Combinations	Advanced Materials Letters	Sreenu Bhanoth Anuraj Kshirsagar Pawan K Khanna Aakriti Tyagi Ankita Leekha Vijay Kumar Anita Verma (Corresponding Author)	https://doi.org/10.5185/amlett.2017.6495

JOURNAL PAPER (International)	Biotoxicity of CdS/CdSe Core-Shell Nano-Structures	Advances in Nanoparticles	Sreenu Bhanoth, Anuraj S. Kshirsagar, Pawan K. Khanna1, Aakriti Tyagi, Anita K. Verma (Corresponding Author)	10.4236/anp.2016.51001
JOURNAL PAPER (International)	Evaluation of the of antibacterial efficacy of polyvinylpyrrolidone (PVP) and tri-sodium citrate (TSC) silver nanoparticles	International Nano Letters	Arindam Dey, Abhirup Dasgupta, Vijay Kumar, Aakriti Tyagi & Anita Kamra Verma (Corresponding Author)	10.1007/s40089-015-0159-2
JOURNAL PAPER (International)	Biomimetically Synthesized Aqueous Ferrofluids Having Antibacterial and Anticancer Properties	Materials Sciences and Applications	Lubna Sheikh, Richa Vohra, Anita Kamra Verma, Suprabha Nayar (Joint Author)	10.4236/msa.2015.63029
JOURNAL PAPER (International)	Physical, antimicrobial and cytotoxic characterisation of LaF3:Eu3+ ion doped nanocrystals	International Journal of Nanoparticles	Sarla Puram, Kamla Rawat, Aakriti Tyagi, Anita Kamra Verma and H.B. Bohidar (Corresponding Author)	10.1504/IJNP.2015.071756
JOURNAL PAPER (International)	Versatility of Chitosan: A Short Review	Journal of Pharma Reserach	Shweta Agarwal, Ankita Leekha, Aakriti Tyagi, Vijay Kumar, Imran Moin, Anita Kamra Verma (Corresponding Author)	https://www.researchgate.net/publication/2756573

JOURNAL PAPER (International)	Effect of lactoferrin protein on red blood cells and macrophages: Mechanism of parasite-host interaction	Drug Design Development and Therapy	Namrata Anand, Rupinder Kaur Kanwar. Mohan Lal Dubey, Rakesh Kumar ,Vahishta ,Rakesh Sehgal, Anita Kamra Verma, Jagat R Kanwar (Joint Author)	10.2147/DDDT.S77860
JOURNAL PAPER (International)	Sterically stabilized polymeric nanoparticles with a combinatorial approach for multi drug resistant cancer: In vitro and in vivo investigations	International Journal of Pharmaceutics	Sobiya Zafar , Lalit Mohan Negi , Anita Kamra Verma , Vijay Kumar , Aakriti Tyagi , Pratibha Singh , Zeenat Iqbal , Sushama Talegaonkar (Joint Author)	10.1016/j.ijpharm.2014.10.061
JOURNAL PAPER (International)	Surface engineered nano structured lipid carriers for targeting MDR tumor: Part I. Synthesis, characterization and in-vitro investigation	Colloids and Surfaces B Biointerfaces	Lalit Mohan Negi , Sushama Talegaonkar , Manu Jaggi , Anita Kamra Verma , Ritu Verma , Sheetal Dobhal , Vijay Kumar (Joint Author)	10.1016/j.colsurfb.2014.09.062
JOURNAL PAPER (International)	Aspect Ratio Dependent Cytotoxicity and Antimicrobial Properties of Nanoclay	Applied Biochemistry and Biotechnology	Kamla Rawat, Shweta Agarwal, Aakriti Tyagi, Anita. K. Verma & H. B. Bohidar (Joint Author)	10.1007/s12010-014-0983-2
JOURNAL PAPER (International)	Aspect Ratio Dependent Cytotoxicity and Antimicrobial Properties of Nanoclay	Applied Biochemistry and Biotechnology	Kamla Rawat, Shweta Agarwal, Aakriti Tyagi, Anita. K. Verma & H. B. Bohidar (Joint Author)	10.1007/s12010-014-0983-2

JOURNAL PAPER (International)	Effect of Mass and Aspect Heterogeneity of Chitosan Nanoparticles on Bactericidal Activity	International Journal of Advanced Research	Aakriti Tyagi, Shweta Agarwal, Ankita Leekha and Anita Kamra Verma* (Corresponding Author)	https://www.researchgate.net/publication/2698736
JOURNAL PAPER (International)	Ability of co-administered peptide liposome nanoparticles to exploit tumour acidity for drug delivery	RSC Advances	Shaun C. Offerman , Anita V. Kamra Verma , Brian A. Telfer , David. A. Berk , David J. Clarke and Harmesh S. Aojula (Joint Author)	10.1039/C3RA44746D
JOURNAL PAPER (International)	IN VITRO ANTI-NEOPLASTIC POTENTIAL OF CHITOSAN NANOPARTICLES AGAINST CERVICAL CANCER	INTERNATIONAL JOURNAL OF PHARMACEUTICAL RESEARCH AND BIO-SCIENCE	AGARWAL S , FATIMA S , VERMA AK (Corresponding Author)	https://www.researchgate.net/publication/2678669
JOURNAL PAPER (International)	IN VITRO ANTI-NEOPLASTIC POTENTIAL OF CHITOSAN NANOPARTICLES AGAINST CERVICAL CANCER	INTERNATIONAL JOURNAL OF PHARMACEUTICAL RESEARCH AND BIO-SCIENCE	AGARWAL S , FATIMA S , VERMA AK (Corresponding Author)	https://www.researchgate.net/publication/2678669
JOURNAL PAPER (International)	Lanthanum-Doped Hydroxyapatite Nanoparticles as Biocompatible Fluorescent Probes for Cellular Internalization and Biolabeling	Science of Advanced Materials	Jadalannagari, Sushma; Deshmukh, Ketaki; Verma, Anita Kamra; Kowshik, Richa Vohra; Meenal Ramanan, Sutapa Roy (Joint Author)	10.1166/sam.2014.1717
JOURNAL PAPER (International)	Cellular uptake induced biotoxicity of surface-modified CdSe quantum dots	Journal of Nanoparticle Research	Shilpa Sanwani • Kamla Rawat • Meena Pal • Himadri B. Bohidar • Anita Kamra Verma (Corresponding Author)	10.1007/s11051-014-2382-6

JOURNAL PAPER (International)	Anti-oxidant activities of Biopolymeric Nanoparticles: Boon or Bane!	Journal of Pharmacy Research	Anita Kamra Verma (Sole Author, Corresponding Author)	https://www.researchgate.net/publication/2678668
JOURNAL PAPER (International)	INTERPLAY OF IMMUNE RESPONSE AND OXIDATIVE STRESS INDUCED BY CHITOSAN NANOPARTICLES TO POSSIBLY COMBAT INFLAMMATION	World Research Journal of Bioscience	VERMA A.K.*, KUMAR V., AGARWAL S., LEEKHA A., TYAGI A., MOIN I. AND GUPTA D. (Corresponding Author)	:10.9735/2322-0589
JOURNAL PAPER (International)	Pharmacokinetics and biodistribution of negatively charged pectin nanoparticles encapsulating paclitaxel	Cancer Nanotechnology	Anita K. Verma & A. Kumar (Corresponding Author)	10.1007/s12645-013-0041-8
JOURNAL PAPER (International)	Synthesis and antimicrobial activity of pyrimidine chalcones	Medicinal Chemistry Research	Rakesh Kumar, Jyoti Arora, Ashok K. Prasad, Najmul Islam & Anita K. Verma (Joint Author)	10.1007/s00044-013-0555-y
JOURNAL PAPER (International)	Pharmacokinetics and Biodistribution of Paclitaxel–Gelatin Nanoparticles	International Journal of Green Nanotechnology	Anita K. Verma, A Chanchal, R P Pandey, R Vohra, N Islam, A K Misra (First Author)	10.1080/19430892.2012.738962
JOURNAL PAPER (International)	Screening and Evaluation of in vivo and in vitro Generated Insulin Plant (Vernonia divergens) for Antimicrobial and Anticancer Activities	International Journal of Biotechnology and Bioengineering	Santosh Kumar, Anand Prakash, Kanak Sinha, and Anita K Verma (Joint Author)	
JOURNAL PAPER (International)	Augmentation of anti-tumour activity of Cisplatin by Pectin nano-conjugates in B-16 mouse model: pharmacokinetics and in-vivo biodistribution of radio-labelled, hydrophilic nano-conjugates	International Journal of Nanotechnology Int Jour Nanotechnol(Anita Kamra Verma, Abhishek Chanchal and Krishna Chutani (First Author)	https://doi.org/10.1504/IJNT.2012.049452

JOURNAL PAPER (International)	Hyperthermophilic asparaginase mutants with enhanced substrate affinity and antineoplastic activity: Structural insights on their mechanism of action	The FASEB Journal	Saurabh Bansal, Ankit Srivastava, Goutam Mukherjee, Ramendra Pandey, Anita Kamra Verma, Prashant Mishra, Bishwajit Kundu (Joint Author)	10.1096/fj.11-191254
JOURNAL PAPER (International)	In-vitro Physico-chemical evaluation of Biopolymeric Nanoparticles	Journal of Pharmacy Research	Abhishek Chanchal, Syed Akhtar Husain, Anita Kamra Verma (Corresponding Author)	
JOURNAL PAPER (International)	Cell-penetrating properties of the transactivator of transcription and polyarginine (R9) peptides, their conjugative effect on nanoparticles and the prospect of conjugation with arsenic trioxide	Anti-Cancer Drugs	Kanwar, Jagat R.; Gibbons, Jessica; Verma, Anita K.; Kanwar, Rupinder K. (Joint Author)	10.1097/CAD.0b013e32835065ed
JOURNAL PAPER (International)	Fluorescence behavior of non-functionalized carbon nanoparticles and their in vitro applications in imaging and cytotoxic analysis of cancer cells	Colloids and Surfaces B: Biointerfaces	Pradip Kumar , Ramavtar Meena , R. Paulraj b, A. Chanchal , A.K. Verma , H.B. Bohidar (Joint Author)	https://doi.org/10.1016/j.colsurfb.2011.10.034
JOURNAL PAPER (International)	Evaluation of antimicrobial and anticancer activities of methanol extract of in vivo and in vitro grown Bauhinia variegata L.	International Research Journal of Biological Sciences,	Kanak Sinha Kanak Sinha, K. V. Anita (Joint Author)	http://www.isca.in/IJBS/Archive/v1i6/5.ISCA-JBS-2012-124.pdf
JOURNAL PAPER (International)	Encapsulation of Antigenic Secretory Proteins of Mycobacterium tuberculosis in Biopolymeric Nanoparticles for Possible Aerosol Delivery System	Journal of Bionanoscience	Verma, A. K.; Pandey, R. P.; Chanchal, A.; Siddiqui, I.; Sharma, Pawan (First Author)	https://doi.org/10.1166/jbns.2011.1042

JOURNAL PAPER (International)	Assessment of the Multifaceted Immunomodulatory Potential of the Aqueous Extract of Tinospora Cordifolia. Research Journal of Chemical Sciences,	Research Journal of Chemical Sciences _	Upadhyaya R., Pandey R.P., Sharma V. and Verma Anita K. (Joint Author)	https://www.researchgate.net/publication/2219355
JOURNAL PAPER (International)	Potential of Negatively Charged Pectin Nanoparticles Encapsulating Paclitaxel: Preparation & Characterization	IEEE Xplore	Anita K. Verma; A. Chanchal; A. Kumar (First Author)	10.1109/NSTSI.2011.6111985
JOURNAL PAPER (International)	Characterization and Antimicrobial Activity of Nanocurcumin and Curcumin	IEEE Xplore	D. Shailendiran; N. Pawar; A. Chanchal; R. P. Pandey; H. B. Bohidar; A. K. Verma (Corresponding Author)	10.1109/NSTSI.2011.6111984
JOURNAL PAPER (International)	Biopolymeric Vectors for Enhancing Gene Delivery-A Comparative Evaluation	IEEE Xplore	Anita K. Verma; N. Islam; A. Chanchal; R. P. Pandey (Corresponding Author)	10.1109/NSTSI.2011.6111980
JOURNAL PAPER (International)	Immuno-Potentiating Role of Encapsulated Proteins of Infectious Diseases in Biopolymeric Nanoparticles as a Potential Delivery System	Journal of Biomedical Nanotechnology	Verma, Anita K.; Pandey, R. P.; Chanchal, A.; Sharma, P. (First Author)	10.1166/jbn.2011.1202
JOURNAL PAPER (International)	Co-polymeric hydrophilic nanospheres for drug delivery: Release kinetics, and cellular uptake	Indian Journal of Experimental Biology	Anita Kamra Verma, A Chanchal & A Maitra (Corresponding Author)	https://www.researchgate.net/publication/4981527
JOURNAL PAPER (International)	Functional behaviour of paper coated with zinc oxide–soluble starch nanocomposites	Journal of Materials Processing Technology	Virendra Prasad ,A.J. Shaikh , A.A. Kathe , D.K. Bisoyi , A.K. Verma , N. Vigneshwaran (Joint Author)	https://doi.org/10.1016/j.jmatprotec.2010.07.009

JOURNAL PAPER (International)	Novel Hydrophilic Drug Polymer Nano-Conjugates of Cisplatin Showing Long Blood Retention Profile - Its Release Kinetics, Cellular Uptake and BioDistribution	Current Drug Delivery	Verma, Anita K.; Sachin, K. (Corresponding Author)	10.2174/156720108783954806
JOURNAL PAPER (International)	Physical and anti-microbial characteristics of carbon nanoparticles prepared from lamp soot	Nanotechnology	B Mohanty, Anita K Verma P Claesson and H B Bohidar (Joint Author)	10.1088/0957-4484/18/44/445102
JOURNAL PAPER (International)	Quantitative fluorescence microscopy of macromolecules in gel and biological tissue	Physics in Medicine & Biology	Svetlana A Tatarkova,, Anita Kamra Verma, David A Berk and Christopher J Lloy (Joint Author)	10.1088/0031-9155/50/23/024
JOURNAL PAPER (International)	Effect of molecular weight heterogeneity on drug encapsulation efficiency of gelatin nano-particles	Colloids and Surfaces B Biointerfaces	Anita Saxena , Kumar Sachin , H.B. Bohidar , Anita Kamra Verma (Joint Author)	10.1016/j.colsurfb.2005.07.005
JOURNAL PAPER (International)	Targeted delivery of arjunglucoside I using surface hydrophilic and hydrophobic nanocarriers to combat experimental leishmaniasis	Journal of Drug Targeting	Richa Tyagi , Sanchaita Lala ,Anita Kamra Verma, AK Nandy, Shashi Bhushan Mahato, Amarnath Maitra, Mukul Kumar Basu (Joint Author)	10.1080/10611860500046732
JOURNAL PAPER (International)	Fibroin silk proteins from the nonmulberry silkworm Philosamia ricini are biochemically and immunochemically distinct from those of the mulberry silkworm Bombyx mori	DNA and Cell biology	Raies Ahmad , Anita Kamra, Seyed Ehtesham Hasnain (Joint Author)	10.1089/104454904322964742.

JOURNAL PAPER (International)	Leveraging selective knockdown of Sost gene by polyethyleneimine-siRNA-chitosan reduced gold nanoparticles to promote osteogenesis in MC3T3-E1 & MEF cells	Nanomedicine/Future Medicine Ltd	Karishma Niveria , Mohammad ZafarYab , Largee Biswas , Asiya Mahtab & Anita Kamra Verma (Corresponding Author)	https://doi.org/10.2217/nnm-2023-0325
JOURNAL PAPER (International)	Biogenic synthesis of dual-emission chlorophyll-rich carbon quantum dots for detection of toxic heavy metal ions – Hg(ii) and As(iii) in water and mouse fibroblast cell line NIH-3T3	Environmental Science: Nano/Royal Society of Chemistry	Ravi Pratap, Nurul Hassan, Monika Yadav, Saurabh Kumar Srivastava, Shilpi Chaudhary, Anita Kamra Verma, Jayeeta Lahiri, Avanish S Parmar (Corresponding Author)	DOI https://doi.org/10.1039/D3EN00789H
JOURNAL PAPER (International)	Biophysical and computational analyses of interaction of 2D MoS2 nanosheets with human haemoglobin coupled with NIR activated photothermal therapy	RSC	Kritika, Deepika, Loveeneesh Kumar, Monika Yadav, Anita Kamra Verma, Indrajit Roy (Joint Author)	DOI https://doi.org/10.1039/D4NJ01535E
JOURNAL PAPER (International)	Hypoxia-induced miR-210-3p expression in lung adenocarcinoma potentiates tumor development by regulating CCL2 mediated monocyte infiltration	Molecular Oncology	Leena Arora, Debarun Patra, Soumyajit Roy, Sidhanta Nanda, Navneet Singh, Anita K Verma, Anuradha Chakraborti, Suman Dasgupta, Durba Pal (Joint Author)	https://doi.org/10.1002/1878-0261.13260

JOURNAL PAPER (International)	Artificial intelligence for regular monitoring of diabetogenic wounds and exploring nanotherapeutics to combat the multifaceted pathophysiology	International Journal of Nano Dimension	Pooja Yadav, Priyanka Singh, Monika Yadav, Kapil Dangi, Kapinder Kumar, Anita Kamra Verma (Corresponding Author)	10.57647/j.ijnd.2024.1503.17
JOURNAL PAPER (International)	pH-sensitive semi-interpenetrating network of microcrystalline cellulose and methacrylic acid hydrogel for the oral delivery of insulin	International Journal of Pharmaceutics	Harish Kumar Chaudhary, Priyanka Singh, Karishma Niveria, Monika Yadav, Amita Malik, Anita Kamra Verma (Corresponding Author)	https://doi.org/10.1016/j.ijpharm.2024.124452
JOURNAL PAPER (International)	Design, Synthesis, Molecular Docking, and in vitro Cytotoxicity Studies of Marine Natural Product Herdmanine Derivatives as Multitarget Inhibitor for EGFR and HER2 Breast Cancer Proteins	Chemistry Select	Gunjan, Pradeep Kumar, Nikita Goel, Samarth Ganjoo, Monika Yadav, Anita Kamra Verma, Sunita Bhagat (Corresponding Author)	https://doi.org/10.1002/slct.202401308
JOURNAL PAPER (International)	Oxygen Nanobubbles Halt Tumor Aggression and Metastasis by Inhibiting Hypoxia-Induced Epithelial-to-Mesenchymal Transition in Lung and Mammary Adenocarcinoma	ACS Applied Nano Materials	Kumari Bhavya Kalyani Agarwal Deepa Negi Karishma Niveria Yashveer Singh, Anita Kamra Verma, Suman Dasgupta, Neelkanth Nirmalkar, Durba Pal (Joint Author)	10.1021/acsanm.4c05295

JOURNAL PAPER (International)	Microcrystalline cellulose and itaconic acid pH sensitive semi interpenetrating network hydrogel for oral insulin delivery	International Journal of Biological Macromolecules	Harish Kumar Chaudhary, Priyanka Singh, Karishma Niveria, Monika Yadav, Amita Malik, Anita Kamra Verma (Corresponding Author)	https://doi.org/10.1016/j.ijbiomac.2024.136804
JOURNAL PAPER (International)	Assessment of the biocompatibility and biodistribution of fluorescent oleic acid capped ZnSe/CdS/ core shell quantum dots after intravenous injection in Balb/c mice	TUOMS	Aakriti Tyagi, Disha Mittal, S. Bhanoth, Ankita Leekha, Anita K. Verma (Corresponding Author)	10.34172/bi.30467
JOURNAL PAPER (International)	Activity of GS-linked chimeric endolysin CHAPk-SH3bk against methicillinresistant Staphylococcus aureus biofilms: an in-vitro, ex-vivo and in-vivo study	Biofilms and Microbiomes/ Nature Publication Journal	Sachinandan De & Soma M. Ghorai Manisha Behera , Priyanka Singh, Anita Kamra Verma (Joint Author)	10.1038/s41522-025-00728-4
JOURNAL PAPER (International)	Nanotherapeutic interventions to enhance cisplatin sensitivity in ovarian cancer cells	Springer Nature	Disha Mittal & Anita Kamra Verma (Corresponding Author)	10.1186/s43042-025-00756-x
JOURNAL PAPER (International)	Sustainable Strategies for Freshwater Aquaculture in India: Steering Opportunities and Future Challenges	Asian Journal of Fisheries and Aquatic Research	Arpita Sinha, Akshay Verma, Anita Kamra Verma (Corresponding Author)	hal-05345880v1
JOURNAL PAPER (International)	Leveraging the therapeutic role of nanotechnology in Osteoporosis management: Current progress and perspectives	International Journal of nanodimension	Mansi Malik, Pooja Yadav, Kapil Dangi, Anita Kamra Verma (Corresponding Author)	10.57647/j.ijnd.2026.1701.01

JOURNAL PAPER (International)	pH-Sensitive Hydrogels Based on Microcrystalline Cellulose, Methacrylic Acid, and Itaconic Acid for Oral Delivery of Insulin	Elsevier	Harish Kumar Chaudhary, Amita Malik, Anita Kamra Verma (Joint Author)	http://dx.doi.org/10.2139/ssrn.5281636
CONFERENCE PAPER/ PROCEEDINGS (International)	Release Kinetics, Cellular uptake and Biodistribution of Hydrophilic Drug Polymer Nano-Conjugate to enhance blood circulating levels of Cisplatin	International Nanobioscience Conference	Anita Kamra Verma , Kumar Sachin, Sardar Bhagwan Singh ,Abhishek Chanchal, Himadri B Bohidar (First Author)	
CONFERENCE PAPER/ PROCEEDINGS (International)	5-fluorouracil derivative in polymeric micelles: A low toxic drug formulation	Journal of Controlled Release	S Soni ,Anita Kamra Verma, S Mozumdar A Maitra (Joint Author)	
CHAPTER (National)	Promise of Nanotechnology in Rural development: Achievements and Challenges/Biotechnology for Sustainable Development	Tata McGraw Hill Custom Publishing	Anita Kamra Verma (Sole Author)	
CHAPTER (International)	Dynamic light scattering (DLS) particle size analysis for biomedical nanotechnology	IOP publisher	Vikas Shukla, Karishma Niveria ,Poonam Shashidhar ,Anita Kamra Verma (Corresponding Author)	10.1088/978-0-7503-3379-5ch16
CHAPTER (International)	Artificial Photosynthesis an Alternative Source of Renewable Energy: Potential and Limitations	IntechOpen	Renu Kathpalia, Anita Kamra Verma (Joint Author)	10.5772/intechopen.111501
CHAPTER (International)	Quantum Dot (QD)-Induced Toxicity and Biocompatibility	Springer, Cham	Karishma Niveria, Priyanka Singh ,Monika Yadav ,Anita Kamra Verma (Corresponding Author)	10.1007/978-3-031-19531-0_8

CHAPTER (International)	Microbiota Targeted Via Nanotechnology for Lung Cancer Therapy: Challenges and Future Perspectives	Springer, Singapore	Monika Yadav ,Anita Kamra Verma (Corresponding Author)	10.1007/978-981-16-8957-4_20
CHAPTER (International)	Polymeric Nanoparticles-Assisted Macrophage Targeting: Basic Concepts and Therapeutic Goals	Springer, Cham	Lubna Siddiqui ,Asiya Mahtab Syed ,Arman Rabbani ,Anita Kamra Verma ,Sushama Talegaonkar (Joint Author)	10.1007/978-3-030-84164-5_6
CHAPTER (International)	Macrophage Targeting by Nanocarriers for Therapy of Autoimmune Diseases	Springer, Cham	Largee Biswas ,Monika Yadav ,Priyanka Singh ,Sushama Talegaonkar ,Anita Kamra Verma (Corresponding Author)	10.1007/978-3-030-84164-5_14
CHAPTER (International)	Pharmacokinetics and in vivo evaluation of nanoparticles	Elsevier	Largee Biswas ,Asiya Mahtab ,Anita Kamra Verma (Corresponding Author)	10.1016/B978-0-12-820757-4.00006-5
CHAPTER (International)	Nanotechnology-based targeted delivery systems for protein kinase inhibitors in Cancer therapy	Elsevier	Disha Mittal ,Karishma Niveria ,Anita Kamra Verma (Corresponding Author)	10.1016/B978-0-323-91287-7.00005-3
CHAPTER (International)	Nanotechnology: Its Usages in Drug Delivery for the Treatment of Human Parasitic Diseases	Springer Nature	Priyanka Singh, Monika Yadav ,Karishma Niveria ,Anita Kamra Verma (Corresponding Author)	10.1007/978-981-19-9605-4_9

CHAPTER (International)	Recent Approaches to Combat Toxoplasma Gondii with Plant-Derived Alternatives	Springer Nature	Karishma Niveria, Monika Yadav, Kapil Dangi , Priyanka Singh, Anita Kamra Verma, Jagat Rakesh Kanwar (Corresponding Author)	10.1007/978-981-19-9605-4_15
CHAPTER (International)	Drug Resistance in Helminth Parasites: Role of Plant-Based Natural Therapeutics	Springer Nature	Kapinder, Nagarjuna Daram, Anita K. Verma (Joint Author)	10.1007/978-981-19-9605-4_25
CHAPTER (International)	Glioblastoma targeted therapies: updated approaches from recent biological insights	Elsevier	Disha Mittal, Anita K. Verma, Indrakant Singh (Corresponding Author)	10.1016/B978-0-443-16034-9.00006-X
CHAPTER (International)	Targeted therapies: emerging biomarkers in advanced melanoma	Elsevier	Monika Yadav , Priyanka Singh, Largee Biswas, Anita Kamra Verma (Corresponding Author)	10.1016/B978-0-443-16034-9.00009-5
CHAPTER (International)	Understanding ROS-Induced DNA Damage for Therapeutics	Springer	Imran Moin, Disha Mittal, Anita K. Verma (Corresponding Author)	https://doi.org/10.1007/978-981-15-9411-3_53
CHAPTER (International)	Underpinning the Cellular and Molecular Mechanisms with Nanotheranostics for Lung Cancer	Springer, Singapore	Asiya Mahtab, Monika Yadav, Karishma Niveria, Anita K. Verma (Corresponding Author)	10.1007/978-981-33-6827-9_11
CHAPTER (International)	Smart Drug-Delivery Systems in the Treatment of Rheumatoid Arthritis: Current, Future Perspectives	Intech open	Largee Biswas, Vikas Shukla, Vijay Kumar, Anita Kamra Verma (Corresponding Author)	10.5772/intechopen.99641

CHAPTER (International)	Rheumatoid arthritis: basic pathophysiology and role of chitosan nanoparticles in therapy	Elsevier	Vijay Kumar, Jagat R. Kanwar, Anita K. Verma (Corresponding Author)	10.1016/B978-0-12-819666-3.00016-X
CHAPTER (International)	Smart nanocarriers for overcoming platinum resistance in cancer: A mechanistic view	Elsevier	Karishma Niveria, Monika Yadav, Priyanka Singh, Kapil Dangi, Disha Mittal, Anita K Verma (Corresponding Author)	https://doi.org/10.1016/B978-0-323-85661-4.00019
CHAPTER (International)	Biomaterials for Precision Cancer Medicine	Elsevier	Karishma Niveria, Monika Yadav, Priyanka Singh, Kapil Dangi, Disha Mittal, Anita K Verma (Corresponding Author)	https://doi.org/10.1016/B978-0-323-85661-4.00019
CHAPTER (International)	Smart nanocarriers for overcoming platinum resistance in cancer: A mechanistic view	Elsevier	Karishma Niveria, Monika Yadav, Priyanka Singh, Kapil Dangi, Disha Mittal, Anita K Verma (Corresponding Author)	https://doi.org/10.1016/B978-0-323-85661-4.00019

8. Books

Category	Book Name	Title	Name of Author	ISSN/ ISBN Number
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9. Faculty Achievements

Year	Category of Achievement	Role	National/ International etc.	Name	Date From- To
2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	International	BioTex 2023	28.Nov.2023 - 01.Dec.2023

2023	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	COORDINATOR	National	Global Bio India 2023	04.Dec.2023 - 06.Dec.2023
2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	International	AMBT-II	13.Dec.2023 - 14.Dec.2023
2023	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	International	SMST-II	11.Oct.2022 - 16.Oct.2022
2022	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	International	RANMS	22.Jun.2022 - 23.Jun.2022
2024	INVITED LECTURES/ RESOURCE PERSON/ PAPER PRESENTATIONS ATTENDED	PROFESSOR	International	Symposium on healthtech Horizons: Integrating Bioimaging, Diagnostics and therapy	14.Dec.2024 - 02.Dec.2024
2024	WORKSHOP/ SEMINAR/ CONFERENCE ATTENDED	PROFESSOR	International	International Symposium on Nanomedicine	27.Nov.2024 - 14.Dec.2024

Prof. ANITA KAMRA VERMA