

**Irfan Ahmad Ansari**  
**Ph.D. (Biochemistry)**  
**Aligarh Muslim University, Aligarh**

**CORRESPONDING ADDRESS:**

Associate Professor, Department of Biosciences,  
Integral University, Dasauli, Kursi Road, Lucknow, 226026; India  
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**Academic Position (Teaching experience: 13 years)**

**1-12-2017 till date: Associate Professor** in the Department of Biosciences, Integral University Lucknow, India.

**18-07-2011 to 30-11-2017: Assistant Professor**, Department of Biosciences, Integral University Lucknow, India.

**Research Profile:**

**Post Ph.D. Research Experience:** 13 years

**Research Interests:** Cancer Biology, Immunology, Molecular Cell Biology, Oncology etc.

**Major Research Area:** Cancer Chemoprevention

Working in the field of Cancer Biology, basically on the role of altered molecular signaling of self-renewing/developmental pathways in the epithelial mesenchymal transition, chemoresistance and angiogenesis in advanced metastatic cervical, prostate, lung and colon cancer etc. and the development of target-based alternative medicines derived from medicinal plants as monotherapy/combinatorial/adjunct therapy for advanced metastatic cancers.

**Current Research Group:**

Ph.D. Students: Mahima Verma (DST-ISPIRE Fellow, Pre-Ph.D. permission), Shireen Fatima (Pre-Ph.D. permission), Fariha Sumaiya (Ph.D. pursuing), Mohammad Faizan Ali Ahmad (Ph.D. pursuing), Israa Khan (Ph.D. pursuing)

**Teaching Interest:**

Immunology, Biochemistry, Cell Biology, Molecular Biology

**ACADEMIC QUALIFICATION:**

**2010 Ph.D. Biochemistry**, J. N. Medical College, Aligarh Muslim University, Aligarh, India

**2005 M.Sc. Biotechnology**, D.D.U. Gorakhpur University, Gorakhpur, UP, India

**2002 B.Sc. Z.B.C.**, D.D.U. Gorakhpur University, Gorakhpur, UP, India

**FELLOWSHIPS: Qualified the ICMR-JRF Entrance Examination-2005**

**2006 - 2008 Junior Research Fellow of Indian Council of Medical Research (ICMR-JRF), India**

**2008 - 2010 Senior Research Fellow of Indian Council of Medical Research (ICMR-SRF), India**

**RESEARCH PROJECTS:**

S.No.	Project Title	Sanctioning Body/Project No. & Year	Amount (in lacs)	Status
1.	<b><u>Principal Investigator</u></b> in the project entitled “A Study to Investigate the Effect of Organosulfur Compounds of Garlic ( <i>Allium sativum</i> ) on the Expression of Different Proteins including HPV E6 and E7 involved in the Pathogenesis of Cervical Cancer”	CST, U.P. (No: CST/374) 2015	10.44	Completed

**RESEARCH GUIDING EXPERIENCE (AS A SUPERVISOR and CO-SUPERVISOR):**

**Ph.D. awarded (08), Ph.D. Pursuing (05)**

S.No.	Name of Ph.D. student	Thesis Title	Status
1.	Imran Khan (JRF-MANF)	“A study to investigate the sensitizing and modulatory potential of Andrographolide, a diterpenoid lactone from <i>Andrographis paniculata</i> , in colon cancer”	Ph.D. Awarded 2018
2.	Arshi Farooqui (DBT-JRF)	“A study to investigate the cytotoxic role of glycyrrhizin, a triterpene glycoside from <i>Glycyrrhiza glabra</i> , in cervical cancer”	Ph.D. Awarded 2018
3.	Fahad Khan (Research Assistant- CST project)	“A study to investigate the chemopreventive role of carvacrol, a bioactive compound of <i>Origanum vulgare</i> , in prostate cancer”	Ph.D. Awarded 2018
4.	Rinkesh Kumar Gupta (ICMR-SRF)	“Purification and characterization of potential allergenic protein from chickpea”	Ph.D. Awarded 2018

5.	Shahnawaz Alam (Co-supervision)	“The role of non-enzymatic glycosylation of serum protein(s) in diabetes mellitus and its secondary complications”	Ph.D. Awarded 2020
6.	Afreen Khanam	“Immunochemical studies on D-ribose induced fibrinogen glycation: Exploring its role in Diabetes Mellitus”	Ph.D. Awarded 2022
7.	Afza Ahmad (Awarded DST-INSPIRE Fellowship)	“Targeting the nexus between human papilloma virus oncoproteins and Hedgehog signaling in uterine cervical cancer: Assessment of chemopreventive potential of carvacrol, a major bioactive compound of <i>Origanum vulgare</i> ”	Ph.D. Awarded 2023
8.	Prakriti Mishra	“Green Synthesis of Zinc Based Nanoparticles and their Cytotoxic Effect against various types of cancers”	Ph.D. Awarded 2023
9.	Mahima Verma (Awarded DST-INSPIRE Fellowship)	“Assessment of the therapeutic efficacy of Boswellic acid and/or its derivatives from plant <i>Boswellia serrata</i> against advanced metastatic prostate cancer via targeting Notch signaling pathway”	Pre-PhD. Permission 2024
10.	Shireen Fatima	“A study to assess the therapeutic potential of Fukinolic acid and/or its derivatives from plant <i>Cimicifuga racemosa L.</i> against advanced metastatic cervical cancer via targeting Hedgehog signaling pathway”	Pre-PhD. Permission 2024
10	Fariha Sumaiya	“Evaluation of the chemopreventive efficacy of <i>Nardostachys jatamansi</i> root extract against metastatic colon cancer cells	PhD. Pursuing
11	Mohammad Faizan Ali Ahmad	“Investigation of the chemotherapeutic efficacy of TiO <sub>2</sub> -drug conjugates against prostate cancer”	PhD. Pursuing
12.	Israa Khan	“A study to investigate the anticancer potential of some selected novel alkaloids”	PhD. Pursuing

#### **ACADEMIC RESPONSIBILITIES:**

- 1. National Assessment and Accreditation Council (NAAC) Criteria V**, Departmental In charge, Department of Biosciences, Integral University, Lucknow, India
- 2. Internal Member, Research and Development Committee (RDC)**, Department of Biosciences, Integral University, Lucknow, India
- 3. Senior Member, Faculty Board**, Faculty of Science, Integral University, Lucknow
- 4. Departmental Ph.D. Program Coordinator**, Department of Biosciences, Integral University, Lucknow, India
- 5. Departmental Placement Coordinator**, Department of Biosciences, Integral University, Lucknow, India

6. **Convenor**, RISE (Research and Innovations in Science and Engineering) program, Department of Biosciences, Integral University, Lucknow, India
7. **M.Sc. Biochemistry Program, Course-Coordinator**, Department of Biosciences, Integral University, Lucknow, India
8. **Member and Resource Person, NET-Aspire 30 Program for competitive exams**, Department of Biosciences, Integral University, Lucknow, India

#### **PROFESSIONAL RECOGNITION:**

- **Organizing Committee Member** in the DST- STUTI sponsored hands on training program on “Advanced Molecular Biology Techniques” organized by Department of Biosciences, Integral University, Lucknow, on 1<sup>st</sup> to 7<sup>th</sup> December, 2022.
- **Organizing Committee member** for successful completion of an awareness program to commemorate “World Haemophilia Day” organized by Integral Institute of Medicinal Sciences & Research, and Department of Bio-engineering & Department of Biosciences, Integral University Lucknow on April 19, 2022.
- **Organizing Committee member** in the “International conference on Trend & innovation in food technology from farm to fork” organized by Department of Bioengineering and Biosciences, Integral University & Tashkent chemical technological institute, Uzbekistan. 24-25<sup>th</sup> Nov, 2022
- **Certificate of Appreciation** from CCG&D, Integral University, Lucknow for the invaluable contribution as Department Placement Coordinator during the session 2022-2023 in the Department of Biosciences, Integral University, Lucknow
- **Co-Organizing Secretary and Member of Core Organizing Committee**, ICBAFM-2017, held at Integral University on 23<sup>rd</sup>-25<sup>th</sup> January, 2017.
- **Editor, Redox-Folio II**, Abstract Book of ICBAFM-2017, held at Integral University on 23<sup>rd</sup>-25<sup>th</sup> January, 2017.
- **Member, Organizing Committee**, International Congress on Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security, ICPASN 2016 held at Integral University on 10<sup>th</sup>-12<sup>th</sup> November, 2016.
- **Session Manager** at International Congress on Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security (ICPASN 2016) held at Integral University on 10<sup>th</sup>-12<sup>th</sup> November, 2016.
- **Joint-Organizing Secretary and Member of Core Organizing Committee**, ICBAFM-2015, held at Integral University on 14<sup>th</sup>-16<sup>th</sup> November, 2015.
- **Editor, Redox-Folio**, Abstract Book of ICBAFM-2015, held at Integral University on 14<sup>th</sup>-16<sup>th</sup> November, 2015.
- **Member, Organizing Committee**, National workshop on Nanomedicine, held at Integral University, 2014.

- **Course Convener of Organizing committee** of DST-sponsored Inspire Internship Program held at Integral University (16-20<sup>th</sup> Nov.2011).
- **Junior Research Fellow** of Indian Council of Medical Research (ICMR-JRF), India (2006-2008).
- **Senior Research Fellow** of Indian Council of Medical Research (ICMR-SRF), India (2008 - 2010).
- Member, World Society for Interdisciplinary Anti-Ageing Medicine

**TOTAL RESEARCH PUBLICATIONS: 62**

Cited by

	All	Since 2019
<u>Citations</u>	1389	1232
<u>h-index</u>	21	19
<u>i10-index</u>	34	32

<u>Title</u>	<u>Cited by</u>	<u>Year</u>
<a href="#"><u>Aldose reductase inhibitory and antiglycation properties of phytoconstituents of Cichorium intybus: Potential therapeutic role in diabetic retinopathy</u></a> S Ahmad, MFA Ahmad, S Alouffi, S Khan, M Khan, MWA Khan, C Prakash, ... International Journal of Biological Macromolecules, 133816		2024
<a href="#"><u>Antiproliferative And Cytotoxic Potential Of Cimicifuga Racemosa Rhizome Extract Against Cervical Cancer Cells.</u></a> S Fatima, M Verma, IA Ansari Biochemical & Cellular Archives 24 (1)		2024
<a href="#"><u>3-Acetyl-11-Keto-B-Boswellic Acid (Akba) Synergistically Enhanced 5-FU-Induced Antiproliferative And Apoptotic Activity In Androgen Independent Prostate Cancer Cells.</u></a> M Verma, S Fatima, IA Ansari Biochemical & Cellular Archives 24 (1)		2024
<a href="#"><u>Anti-proliferative, Pro-apoptotic, and Chemosensitizing Potential of 3-Acetyl-11-keto-β-boswellic Acid (AKBA) Against Prostate Cancer Cells</u></a> M Verma, S Fatima, M Saeed, IA Ansari Molecular Biotechnology, 1-16	<u>1</u>	2024
<a href="#"><u>Protective Assessment of Novel (Bncs Formulation) against Brain Tumor.</u></a> A Mishra, A Ahmad, IA Ansari, RK Tiwari Recent Patents on Anti-cancer Drug Discovery		2024
<a href="#"><u>Phytochemistry and ethnopharmacological studies of genus Cimicifuga: A systematic and comprehensive review</u></a> S Fatima, M Verma, IA Ansari Fitoterapia, 105767	<u>2</u>	2023

<u>Title</u>	<u>Cited by</u>	<u>Year</u>
<a href="#"><u>Methotrexate-conjugated zinc oxide nanoparticles exert a substantially improved cytotoxic effect on lung cancer cells by inducing apoptosis</u></a> P Mishra, MF Ali Ahmad, LA Al-Keridis, M Saeed, N Alshammari, ... Frontiers in Pharmacology 14, 1194578	<u>3</u>	2023
<a href="#"><u>High therapeutic efficacy of 5-Fluorouracil-loaded exosomes against colon cancer cells</u></a> R Shekh, A Ahmad, RK Tiwari, M Saeed, R Shukla, WS Al-Thubiani, ... Chemical Biology & Drug Design 101 (4), 962-976	<u>7</u>	2023
<a href="#"><u>Ethanollic Extract of <i>Artemisia vulgaris</i> Leaf Promotes Apoptotic Cell Death in Non-Small-Cell Lung Carcinoma A549 Cells through Inhibition of the Wnt Signaling ...</u></a> RK Tiwari, A Ahmad, AF Khan, LA Al-Keridis, M Saeed, N Alshammari, ... Metabolites 13 (4), 480	<u>4</u>	2023
<a href="#"><u>Chemical, biological and <i>in silico</i> assessment of date (<i>P. dactylifera</i> L.) fruits grown in Ha'il region</u></a> AKD Alsukaibi, KM Alenezi, A Haque, I Ahmad, M Saeed, M Verma, ... Frontiers in Chemistry 11, 1138057	<u>7</u>	2023
<a href="#"><u>Carvacrol instigates intrinsic and extrinsic apoptosis with abrogation of cell cycle progression in cervical cancer cells: Inhibition of Hedgehog/GLI signaling cascade</u></a> A Ahmad, RK Tiwari, M Saeed, H Al-Amrah, I Han, EH Choi, DK Yadav, ... Frontiers in Chemistry 10, 1064191	<u>5</u>	2023
<a href="#"><u>Wild Edible Medicinal and Aromatic Plants in Ancient Traditions</u></a> M Verma, S Fatima, P Mishra, IA Ansari Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants, 89-114		2023
<a href="#"><u>Pinostrobin suppresses the proliferation of lung carcinoma cells by abrogating the cell cycle progression through the inhibition of Notch signaling pathway</u></a> RK Tiwari, A Ahmad, MS Khan, SD Shahanawaz, S Ahmad, IA Ansari South African Journal of Botany 151, 614-622	<u>6</u>	2022
<a href="#"><u>Ethanollic extract of <i>Coleus aromaticus</i> leaves impedes the proliferation and instigates apoptotic cell death in liver cancer HepG2 cells through repressing JAK ...</u></a> R Shekh, RK Tiwari, A Ahmad, I Ahmad, NM Alabdallah, M Saeed, ... Journal of Food Biochemistry 46 (10), e14368	<u>4</u>	2022
<a href="#"><u>Phytofabricated nanoparticle formulation for cancer treatment: a comprehensive review</u></a> M Verma, S Fatima, IA Ansari Current Drug Metabolism 23 (10), 818-826	<u>2</u>	2022
<a href="#"><u>Computational analysis of PTP-1B site-directed mutations and their structural binding to potential inhibitors</u></a> M Tasleem, A Shoaib, A Al-Shammari, A Abdelgadir, Z Alsamar, ... Cellular and Molecular Biology 68 (7), 75-84	<u>4</u>	2022
<a href="#"><u><i>In Vitro</i> Evaluation of Antioxidant, Anticancer, and Anti-Inflammatory Activities of Ethanollic Leaf Extract of <i>Adenium obesum</i></u></a> A Alshehri, A Ahmad, RK Tiwari, I Ahmad, AG Alkhatami, MY Alshahrani, ... Frontiers in Pharmacology 13, 847534	<u>14</u>	2022
<a href="#"><u>Investigation of antidiabetic properties of shikonin by targeting aldose reductase enzyme: In</u></a>	<u>9</u>	2022

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<p><a href="#">silico and in vitro studies</a> M Saeed, M Tasleem, A Shoaib, NM Alabdallah, MJ Alam, Z El Asmar, ... Biomedicine &amp; Pharmacotherapy 150, 112985</p>		
<p><a href="#">Antiproliferative and apoptotic potential of Glycyrrhizin against HPV16+ Caski cervical cancer cells: A plausible association with downregulation of HPV E6 and E7 oncogenes and ...</a> A Ahmad, RK Tiwari, P Mishra, AG Alkhatami, TM Almeleebia, ... Saudi Journal of Biological Sciences 29 (5), 3264-3275</p>	8	2022
<p><a href="#">Doxorubicin-Conjugated Zinc Oxide Nanoparticles, Biogenically Synthesised Using a Fungus <i>Aspergillus niger</i>, Exhibit High Therapeutic Efficacy against Lung ...</a> P Mishra, A Ahmad, LA Al-Keridis, N Alshammari, NM Alabdallah, ... Molecules 27 (8), 2590</p>	14	2022
<p><a href="#">Biogenic Synthesis and characterization of Zinc oxide Nanoparticles by Using Green Machinery: Antibacterial and Antibiofilm potential</a> P Mishra, N Bano, IA Ansari Journal of Ecophysiology and Occupational Health, 1-7</p>		2022
<p><a href="#">Glycyrrhizin mediates downregulation of notch pathway resulting in initiation of apoptosis and disruption in the cell cycle progression in cervical cancer cells</a> A Ahmad, RK Tiwari, M Saeed, I Ahmad, IA Ansari Nutrition and Cancer 74 (2), 622-639</p>	26	2022
<p><a href="#">Available immunotherapies and future opportunities to prevent HPV-associated cancers</a> RK Tiwari, A Ahmad, IA Ansari, P Bajpai Immunopathology, Diagnosis and Treatment of HPV Induced Malignancies, 165-204</p>		2022
<p><a href="#">Andrographolide induces apoptosis and cell cycle arrest through inhibition of aberrant hedgehog signaling pathway in colon cancer cells</a> I Khan, S Mahfooz, M Faisal, AA Alatar, IA Ansari Nutrition and Cancer 73 (11-12), 2428-2446</p>	9	2021
<p><a href="#">Molecular insights on chemopreventive and anticancer potential of carvacrol: Implications from solid carcinomas</a> A Ahmad, M Saeed, IA Ansari Journal of Food Biochemistry 45 (12), e14010</p>	17	2021
<p><a href="#">Revisiting the Antiviral Efficacy of Terpenoids: Plausible Adjunct Therapeutics for Novel SARS-CoV-2?</a> A Ahmad, RK Tiwari, IA Ansari Endocrine, Metabolic &amp; Immune Disorders-Drug Targets (Formerly Current Drug ...</p>		2021
<p><a href="#">Swertia chirayita suppresses the growth of non-small cell lung cancer A549 cells and concomitantly induces apoptosis via downregulation of JAK1/STAT3 pathway</a> A Ahmad, RK Tiwari, TM Almeleebia, MS Al Fayi, MY Alshahrani, I Ahmad, ... Saudi Journal of Biological Sciences 28 (11), 6279-6288</p>	22	2021
<p><a href="#">Carvacrol exhibits chemopreventive potential against cervical cancer cells via caspase-dependent apoptosis and abrogation of cell cycle progression</a> A Ahmad, IA Ansari Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal ...</p>	29	2021

<a href="#">Title</a>	<a href="#">Cited by</a>	<a href="#">Year</a>
<a href="#">Intervening Stemness and Angiogenesis in Cervical Carcinoma: Revisiting the Efficacy of Natural Compounds</a> A Ahmad, IA Ansari Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug ...	<a href="#">1</a>	2021
<a href="#">An in vitro approach to unveil the structural alterations in D-ribose induced glycosylated fibrinogen</a> A Khanam, S Alouffi, S Rehman, IA Ansari, U Shahab, S Ahmad Journal of Biomolecular Structure and Dynamics 39 (14), 5209-5223	<a href="#">19</a>	2021
<a href="#">Assessment of antidiabetic activity of the shikonin by allosteric inhibition of protein-tyrosine phosphatase 1B (PTP1B) using state of art: an in silico and in vitro tactics</a> M Saeed, A Shoaib, M Tasleem, NM Alabdallah, MJ Alam, ZE Asmar, ... Molecules 26 (13), 3996	<a href="#">41</a>	2021
<a href="#">A comprehensive review on cross-talk of human papilloma virus oncoproteins and developmental/self-renewal pathways during the pathogenesis of uterine cervical cancer</a> A Ahmad, IA Ansari Current Molecular Medicine 21 (5), 402-416	<a href="#">10</a>	2021
<a href="#">Andrographolide inhibits proliferation of colon cancer SW-480 cells via downregulating notch signaling pathway</a> I Khan, S Mahfooz, M Saeed, I Ahmad, IA Ansari Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal ...	<a href="#">16</a>	2021
<a href="#">Organosulphur compounds induce apoptosis and cell cycle arrest in cervical cancer cells via downregulation of HPV E6 and E7 oncogenes</a> IA Ansari, A Ahmad, MA Imran, M Saeed, I Ahmad Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal ...	<a href="#">23</a>	2021
<a href="#">Antiproliferative and apoptotic properties of andrographolide against human colon cancer DLD1 cell line</a> I Khan, S Mahfooz, IA Ansari Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug ...	<a href="#">13</a>	2020
<a href="#">Phyllanthus virgatus forst extract and it's partially purified fraction ameliorates oxidative stress and retino-nephropathic architecture in streptozotocin-induced diabetic rats</a> A Hashim, SS Alvi, IA Ansari, M Salman Khan Pak J Pharm Sci 32 (6), 2697-708	<a href="#">22</a>	2019
<a href="#">Carvacrol induced program cell death and cell cycle arrest in androgen-independent human prostate cancer cells via inhibition of notch signaling</a> F Khan, VK Singh, M Saeed, MA Kausar, IA Ansari Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal ...	<a href="#">57</a>	2019
<a href="#">Inherent allergic potential of <math>\alpha</math>-dioxygenase fragment: A pathogenesis related protein</a> RK Gupta, A Sharma, A Verma, IA Ansari, PD Dwivedi Immunobiology 224 (2), 207-219	<a href="#">3</a>	2019
<a href="#">Recent Insights on the Anticancer properties of flavonoids: prospective candidates for cancer chemoprevention and therapy</a> IA Ansari, MS Akhtar Natural Bio-active Compounds: Volume 1: Production and Applications, 425-448	<a href="#">5</a>	2019



<u>Title</u>	<u>Cited by</u>	<u>Year</u>
<a href="#"><u>Current insights on the role of terpenoids as anticancer agents: A perspective on cancer prevention and treatment</u></a> IA Ansari, MS Akhtar Natural Bio-active Compounds: Volume 2: Chemistry, Pharmacology and Health ...	<a href="#"><u>44</u></a>	2019
<a href="#"><u>Ginkgolide B Mediated Alleviation of Inflammatory Cascades and Altered Lipid Metabolism in HUVECs via Targeting PCSK-9 Expression and Functionality</u></a> G Wang, Z Liu, M Li, Y Li, SS Alvi, IA Ansari, MS Khan BioMed research international 2019 (1), 7284767	<a href="#"><u>38</u></a>	2019
<a href="#"><u>Ginkgolide B ameliorates oxidized low-density lipoprotein-induced endothelial dysfunction via modulating Lectin-like ox-LDL-receptor-1 and NADPH oxidase 4 expression and ...</u></a> Z Feng, X Yang, L Zhang, IA Ansari, MS Khan, S Han, Y Feng Phytotherapy Research 32 (12), 2417-2427	<a href="#"><u>37</u></a>	2018
<a href="#"><u>Andrographolide exhibits anticancer potential against human colon cancer cells by inducing cell cycle arrest and programmed cell death via augmentation of intracellular ...</u></a> I Khan, F Khan, A Farooqui, IA Ansari Nutrition and cancer 70 (5), 787-803	<a href="#"><u>71</u></a>	2018
<a href="#"><u>Identification and characterization of functional single nucleotide polymorphisms (SNPs) in Axin 1 gene: a molecular dynamics approach</u></a> I Khan, IA Ansari, P Singh, JFP Dass, F Khan Cell Biochemistry and Biophysics 76, 173-185	<a href="#"><u>12</u></a>	2018
<a href="#"><u>Maillard reaction in food allergy: Pros and cons</u></a> RK Gupta, K Gupta, A Sharma, M Das, IA Ansari, PD Dwivedi Critical reviews in food science and nutrition 58 (2), 208-226	<a href="#"><u>133</u></a>	2018
<a href="#"><u>Anticancer Potential of Andrographolide, a Diterpenoid Lactone from <i>Andrographis paniculata</i>: A Nature's Treasure for Chemoprevention and Therapeutics</u></a> I Khan, MA Yusuf, IA Ansari, MS Akhtar Anticancer Plants: Mechanisms and Molecular Interactions: Volume 4, 143-163	<a href="#"><u>5</u></a>	2018
<a href="#"><u>Glycyrrhizin induces reactive oxygen species-dependent apoptosis and cell cycle arrest at G0/G1 in HPV18+ human cervical cancer HeLa cell line</u></a> A Farooqui, F Khan, I Khan, IA Ansari Biomedicine & Pharmacotherapy 97, 752-764	<a href="#"><u>76</u></a>	2018
<a href="#"><u>Lycopene amends LPS induced oxidative stress and hypertriglyceridemia via modulating PCSK-9 expression and Apo-CIII mediated lipoprotein lipase activity</u></a> SS Alvi, IA Ansari, MK Ahmad, J Iqbal, MS Khan Biomedicine & Pharmacotherapy 96, 1082-1093	<a href="#"><u>83</u></a>	2017
<a href="#"><u>Glycation of clinically relevant chickpea allergen attenuates its allergic immune response in Balb/c mice</u></a> RK Gupta, A Raghav, A Sharma, K Gupta, P Mandal, A Tripathi, IA Ansari, ... Food chemistry 235, 244-256	<a href="#"><u>21</u></a>	2017
<a href="#"><u>Carvacrol Induces Reactive Oxygen Species (ROS)-mediated Apoptosis Along with Cell Cycle Arrest at G<sub>0</sub>/G<sub>1</sub> in Human Prostate Cancer Cells</u></a> F Khan, I Khan, A Farooqui, IA Ansari Nutrition and cancer 69 (7), 1075-1087	<a href="#"><u>58</u></a>	2017

<u>Title</u>	<u>Cited by</u>	<u>Year</u>
<a href="#"><u>Prediction of functionally significant single nucleotide polymorphisms in <i>PTEN</i> tumor suppressor gene: An <i>in silico</i> approach</u></a> I Khan, IA Ansari, P Singh, FP Dass J Biotechnology and applied biochemistry 64 (5), 657-666	<a href="#"><u>21</u></a>	2017
<a href="#"><u>Potential role of lycopene in targeting proprotein convertase subtilisin/kexin type-9 to combat hypercholesterolemia</u></a> SS Alvi, IA Ansari, I Khan, J Iqbal, MS Khan Free Radical Biology and Medicine 108, 394-403	<a href="#"><u>81</u></a>	2017
<a href="#"><u>Prediction of a highly deleterious mutation E17K in AKT-1 gene: an <i>in silico</i> approach</u></a> I Khan, IA Ansari Biochemistry and Biophysics Reports 10, 260-266	<a href="#"><u>10</u></a>	2017
<a href="#"><u>Health Risks and Benefits of Chickpea (<i>Cicer arietinum</i>) Consumption</u></a> RK Gupta, K Gupta, A Sharma, M Das, IA Ansari, PD Dwivedi Journal of agricultural and food chemistry 65 (1), 6-22	<a href="#"><u>108</u></a>	2017
<a href="#"><u>Organosulfur compounds of garlic as potent chemotherapeutic agents against cancer</u></a> IA Ansari, I Khan, MS Khan, MS Akhtar Anticancer Plants: Clinical Trials and Nanotechnology: Volume 3, 253-272	<a href="#"><u>5</u></a>	2017
<a href="#"><u>Investigating the role of novel bioactive compound from ficus virens ait on cigarette smoke induced oxidative stress and hyperlipidemia in rats</u></a> D Iqbal, A Khan, IA Ansari, MS Khan Iranian Journal of Pharmaceutical Research: IJPR 16 (3), 1089	<a href="#"><u>18</u></a>	2017
<a href="#"><u>Cutaneous exposure to clinically-relevant pigeon pea (<i>Cajanus cajan</i>) proteins promote T<sub>H</sub>2-dependent sensitization and IgE-mediated anaphylaxis in Balb/c mice</u></a> R Kumar Gupta, S Kumar, K Gupta, A Sharma, R Roy, A Kumar Verma, ... Journal of Immunotoxicology 13 (6), 827-841	<a href="#"><u>5</u></a>	2016
<a href="#"><u>Pleiotropic role of lycopene in protecting various risk factors mediated atherosclerosis</u></a> SS Alvi, IA Ansari, MS Khan Annals of Phytomedicine 4 (1), 54-60	<a href="#"><u>25</u></a>	2015
<a href="#"><u>Design, synthesis, evaluation and thermodynamics of 1-substituted pyridylimidazo [1, 5-a] pyridine derivatives as cysteine protease inhibitors</u></a> MS Khan, MH Baig, S Ahmad, SA Siddiqui, AK Srivastava, KV Srinivasan, ... PloS one 8 (8), e69982	<a href="#"><u>18</u></a>	2013
<a href="#"><u>Chemotherapeutic potential of Boerhaavia diffusa Linn: A review</u></a> MS Khan, IA Ansari, S Ahmad, F Akhter, A Hashim, AK Srivastava Journal of Applied Pharmaceutical Science 3 (1), 133-139	<a href="#"><u>42</u></a>	2013
<a href="#"><u>Dietary phytochemicals as potent chemotherapeutic agents against breast cancer: Inhibition of NF-<math>\kappa</math>B pathway via molecular interactions in rel homology domain of its precursor ...</u></a> MKA Khan, IA Ansari, MS Khan, JM Arif Pharmacognosy magazine 9 (33), 51	<a href="#"><u>65</u></a>	2013
<a href="#"><u>An efficient protocol for isolation of high quality genomic DNA from seeds of apple cultivars (<i>Malus domestica</i>) for random amplified polymorphic DNA (RAPD) analysis</u></a> IA Ansari, MS Khan	<a href="#"><u>10</u></a>	2012

Pharmaceutical Crops 3, 78-83

### **BOOK CHAPTERS: 06**

1. **Irfan Ahmad Ansari\***, Imran Khan, Mohd Salman Khan\*, Mohd Sayeed Akhtar, Organosulfur compounds of garlic (*Allium sativum*) as potent chemotherapeutic agents against cancer, (Book Title: Anticancer Plants: Clinical trials and Nanotechnology, 2017 Publishing House: Springer)
2. **Irfan Ahmad Ansari\***, Imran Khan, Mohd Aslam Yusuf, Mohd Sayeed Akhtar\*, Andrographolide: A nature's treasure for cancer therapeutics, (Book Title: Anticancer Plants: Mechanisms and Molecular Interactions, 2018 Publishing House: Springer)
3. **Irfan A Ansari\***, MS Akhtar. Current Insights on the Role of Terpenoids as Anticancer Agents (Book Title: Natural Bio-active Compounds: Volume 2: Chemistry, Pharmacology and Health Care Practices, 53, 2019 Publishing House: Springer)
4. **Irfan A Ansari\***, MS Akhtar. Recent Insights on the Anticancer Properties of Flavonoids: Prospective Candidates for Cancer Chemoprevention and Therapy (Book Title: Natural Bio-active Compounds: Volume 1: Production and Applications, 425-448, 2019 Publishing House: Springer)
5. Rohit Kumar Tiwari, Afza Ahmad, **Irfan Ahmad Ansari**, and Preeti Bajpai. Available immunotherapies and future opportunities to prevent HPV-associated cancers. (Book Title: Immunopathology, Diagnosis, And Treatment of Hpv-Induced Malignancies, 165-192, 2022; ISBN 978-0-323-91797-1 Publishing House: Academic Press, Elsevier)
6. Mahima Verma, Shireen Fatima, Prakriti Mishra, **Irfan Ahmad Ansari**. Wild Edible Medicinal and Aromatic Plants in Ancient Traditions (Book Title: Ethnobotany and Ethnopharmacology of Medicinal and Aromatic Plants, 2023, Page 27, eISBN:9781003284215; Publishing House: CRC Press, Taylor and Francis)

### **BOOK CHAPTER (IN PRESS): 02**

1. Mahima Verma, Shireen Fatima, Prakriti Mishra, Zeba Siddiqui, **Irfan Ahmad Ansari**, Azhar Kamal, and Mohd. Sayeed Akhtar. Pharmacological Properties of *Psoralea corylifolia*: An Important Medicinal Plant of Ayurveda and Chinese System of Medicine (Bentham Science, 2024, In Press)
2. Shireen Fatima, Mahima Verma, Prakriti Mishra, Zeba Siddiqui, **Irfan Ahmad Ansari**, and Mohd. Sayeed Akhtar. Ethnopharmacological Properties of *Swertia chirayita* and Other Species: A Nature's Treasure (Bentham Science, 2024, In Press)

### **INVITED LECTURES: 03 (Three)**

1. National Conference (NATCON-2019) on Recent Developments in Biomedical, Unani and Ayurvedic Translational Research & Darker Side of Rampant Use of Lead Based Products under the aegis of Indian Academy of Biomedical Sciences held on 11<sup>th</sup>-12<sup>nd</sup> March, 2019 organized by Department of Biochemistry JNMC, AMU, Aligarh, UP, India

2. National Conference on Interdisciplinary Advancements in Biochemistry (NCIAB2019), held on March 28-29, supported by Higher Education of Uttar Pradesh Organized by Department of Biochemistry Dr. Rammanohar Lohia Avadh University, Ayodhya - 224001
3. 7<sup>th</sup> Annual Conference of Indian Academy of Biomedical Sciences held on 20<sup>th</sup>-22<sup>nd</sup> April, 2018 at Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Kashmir

#### **PATENTS**

1. UK Design patent for “Lung Cancer Detecting Device Using Biosensors”, (Design number: 6311070, Grant date: 25 September 2023)

#### **FACULTY DEVELOPMENT PROGRAMMES**

1. Certificate of completion of Two weeks Faculty Development Program on “Recent Advancements in Biotechnology for Sustainable Development organized by department of Bioengineering and Department of Biosciences, Integral University, Lucknow from 7<sup>th</sup> Oct to 4<sup>th</sup> Nov. 2023
2. Certificate of participation in the Faculty Development Program on “Effective Teaching through Modern Technologies” from 4 to 8 March, 2024, Integral University and the Association of Indian Universities.
3. Certificate of participation in the Faculty Development Program on “Advanced Molecular Biology Techniques” from 1<sup>st</sup> December to 7<sup>th</sup> December 2022 organized by Department of Biosciences, Integral University, Lucknow.

#### **WORKSHOPS/CONFERENCES:**

1. International Symposium on “Artificial Intelligence in Biological Sciences: Recent Trends” organized by Department of Biosciences, Integral University, Lucknow on 23<sup>rd</sup> April, 2024
2. DST- STUTI sponsored hands on training program on “Advanced Molecular Biology Techniques” organized by Department of Biosciences, Integral University, Lucknow, on 1<sup>st</sup> to 7<sup>th</sup> December, 2022.
3. International conference on Trend & innovation in food technology from farm to fork” organized by Department of Bioengineering and Biosciences, Integral University & Tashkent chemical technological institute, Uzbekistan. 24-25<sup>th</sup> Nov, 2022
4. National Symposium on stem cell and cellular therapy in human diseases, SGPGI, Lucknow. 18<sup>th</sup> Nov, 2022
5. National Conference (NATCON-2019) on Recent Developments in Biomedical, Unani and Ayurvedic Translational Research & Darker Side of Rampant Use of Lead Based Products under the aegis of Indian Academy of Biomedical Sciences held on 11<sup>th</sup>-12<sup>nd</sup> March, 2019 organized by department of Biochemistry JNMC, AMU, Aligarh, UP, India
6. National Conference on Interdisciplinary Advancements in Biochemistry (NCIAB2019), held on March 28-29, 2019 supported by Higher Education of Uttar Pradesh, Organized by Department of Biochemistry Dr. Rammanohar Lohia Avadh University, Ayodhya - 224001

7. 7<sup>th</sup> Annual Conference of Indian Academy of Biomedical Sciences, held on 20<sup>th</sup>-22<sup>nd</sup> April, 2018 at Sher-I-Kashmir Institute of Medical Sciences, Srinagar, Kashmir, India
8. First Indo-Russian Meet and Second International Conference on Biotechnological Advancements in Free Radical Biology and Medicine, organized by Department of Biosciences, Integral University, Lucknow (23<sup>rd</sup>-25<sup>th</sup> January, 2017)
9. International Congress on Post-Harvest Technologies of Agricultural Produce for Sustainable Food and Nutritional Security (ICPASN 2016) held at Integral University on 10<sup>th</sup>-12<sup>th</sup> November, 2016.
10. Short Term Course on “How To Teach Effectively” organized by Centre Academic Leadership and Education Management, UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 02<sup>nd</sup>-8<sup>th</sup> August, 2016 at Integral University, Lucknow
11. National Conference on Intellectual Property Rights: A significant tool for sustainable agriculture (2016-IPR-IU-UPCAR) organized by Intellectual Property Rights Management Cell (IPRMC), Integral University, Lucknow on 2<sup>nd</sup> and 3<sup>rd</sup> April 2016
12. International Conference on Emerging Trends in Biomedical Sciences, organized by Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh, 202002, India
13. International Conference on Biotechnological Advancements in Free Radical Biology and Medicine, organized by Department of Biosciences and Bioengineering, Integral University, Lucknow (14<sup>th</sup>-16<sup>th</sup> November, 2015)
14. National workshop on SPSS, organized by Department of Mathematics, Integral University, Lucknow (25 Feb, 2015)
15. National Conference on Nanosciences, Nanotoxicology and Nanoinformatics-Present and Future Perspectives, organized by Department of Bioengineering and Biosciences, Integral University, Lucknow in collaboration with Department of Nanobiotechnology, Lifescience Foundation India, Karnataka (14-15<sup>th</sup> March, 2015)
16. 27<sup>th</sup> annual National Conference and International CME of Indian Society of Atherosclerosis Research (ISAR), India, on Innovations in Atherosclerosis and Cardiac diseases organized by Department of Pathology, KGMU, Lucknow, India on Nov 25-27<sup>th</sup> 2014.
17. National workshop on Nanomedicine (NWN-2014) Role of Nanomedicine as therapeutics agents against multidrug resistant pathogens, organized by Department of Biosciences, Integral University, Lucknow. (7-9 March 2014)
18. Seminar on Ageing and Health, organized by Integral Institute of Medical Sciences and Research, Integral University, Lucknow in collaboration with World Health Organization-India. (7 April, 2012)
19. 3<sup>rd</sup> Annual Meeting of Indian Academy of Biomedical Sciences & Symposium on Modern Trends in Human Diseases Organized by Department of Biochemistry, Faculty of Medicine, J. N. Medical College Aligarh Muslim University, Aligarh, Uttar Pradesh, India on December 14-15<sup>th</sup> 2013.
20. National Level workshop on Fundamentals of Nanoscience and Biotechnology, organized by Department of Nanobiotechnology, Lifescience Foundation India, Karnataka in collaboration with Department of Bioengineering, Faculty of Engineering, Integral University, Lucknow. (28-30 January, 2013)

21. Advances in Free Radical Research: Natural Products, Antioxidants and Radioprotectors” (AFRR – 2009) & 8th Annual Meeting of the Society for Free Radical Research -India, Lucknow, India, March 19-21, 2009.
22. National Symposium on Advances in Clinical Biochemistry-Biomarkers, Molecular Diagnosis and Quality Assurances & Ist U.P. Chapter of Association of Clinical Biochemists of India, AMU, Aligarh, India. November 15 & 16, 2008.
23. International Symposium on the Predictive, Preventive and Mechanistic Mutagenesis and XXXIII EMSI Annual Meeting, AMU, Aligarh, India. January 1-3, 2008.
24. Association of Clinical Biochemists of India, ACBICON 2007, New Delhi, India. December 17-20, 2007.

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