



Mohd. Moshahid Alam Rizvi, PhD,  
Professor



+91-9911661657 (M),  
+91-9213231962 (R),



mrizvi@jmi.ac.in,  
rizvi\_ma@yahoo.com



+91-011-26980229



Department of Biosciences,  
Jamia Millia Islamia,  
New Delhi – 110 025

## CURRENT RESEARCH FIELD

### MOLECULAR ONCOLOGY, THERAPEUTICS

#### EDUCATION

**Ph.D. (1999)** from **Central Drug Research Institute, (C.D.R.I.)**  
Lucknow / Avadh University, Faizabad (India).

**Title of thesis:** Studies on Interferons, Interferon inducers and Immunomodulators for the control of blood and mosquito stage rodent malaria.

**M.Phil. (1995)** First class from **CDRI Lucknow / AMU, Aligarh** (India).

**Title of dissertation:** Studies on Interferon and Interferon inducers in Malaria.

**M.Sc. Zoology (1990)** First class from AMU, Aligarh (India)  
Specialization in Genetics.

**Title of project:** Genetic Analysis of various morphological traits in the population of A.M.U. campus.

**B.Sc. Hons Zoology (1987)** First class from B.U. Mzaffarpur (India) (Chemistry & Botany as subsidiary subjects).

**National Postdoctoral Fellow (NET) 1990.** Conducted by UGC-CSIR (India).

**Graduate Aptitude Test in Engg. (GATE) 1991.**  
Conducted by I.I.T. (India).

## SCHOLARSHIPS

- **Intermediate:** National Merit Scholarship (for 2 years)
- **B.Sc. (Hons.):** National Merit Scholarship (for 3 years)
- **M.Sc.:** P.G. University Merit Scholarship (for 2 years)
- **Doctoral Fellowship:** Junior and Senior Research Fellowship. (M.Phil. / Ph.D.)
- **Post Doctoral Fellowship:** Indian Academy of Sciences Research Fellowship (2004) to work at Center for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad.

## CURRENT APPOINTMENT

- **Working as Professor, Department of Biosciences, JMI, since 04.05.2011.**

## PREVIOUS APPOINTMENTS

- **Worked as Associate Professor: 04.05.2008 to 03-05-11, Department of Biosciences, JMI.**
- **Worked as Reader: 04.05.2005 to 03-05-08, Department of Biosciences, JMI.**
- **Worked as Lecturer/Sr Lecturer: 4<sup>th</sup> May 1996 to 3<sup>rd</sup> May 2005.**
  1. **Department of Biosciences, JMI (February 18th, 2002, to 3rd May, 2005.)**
  2. **Department of Zoology, Allahabad University, Allahabad (February 16th, 2001, to 17th February 2002)**
  3. **Department of Zoology (P.G.), D.A.V. College, (Ch. C.S University), Muzaffarnagar (4th May 1996 to 15th February 2001)**
- **JUNIOR/SENIOR RESEARCH FELLOW:**
  1. **At Microbiology Division, CDRI, Lucknow. (1992 to 1996).**
  2. **At Genetics Unit, All India Institute of Medical Sciences, (AIIMS), New Delhi (1991 to 1992)**

## REVIEWER OF INTERNATIONAL JOURNALS:

1. *Anti-cancer agents in Medicinal Chemistry* (Executive Guest Editor)
  2. *Frontiers in cellular and infection Microbiology*
  3. *Inflammopharmacology*
  4. *DNA and Cell Biology*
  5. *African Journal of Microbiology Research.*
  6. *African Journal of Pharmacy and Pharmacology*
- (And many more on routine requests)

## National/International Patent(s) filed/published/granted:

1. Mohammad Abid, Phool Hasan, Farheen Shamsi, Imtiyaz Hassan, Bushra Zeya, M. Moshahid A Rizvi, A process for synthesizing 1,2,4-oxadiazole-sulfonamide Based Hybrids and Uses Thereof (Indian patent Office file number 201911037884, filled on 19-09-2019).
2. M. Moshahid A Rizvi. Anticolon cancer drug – DiNar: A combination of Diosmin and Naringenin and the process thereof (Indian patent Office file number 202011031417, filled on 22-07-2020)
3. M Moshahid A Rizvi. Dosage reduction of anticancer drug Cisplatin modulated by Thymoquinone against liver cancer cells (Indian patent Office file number 202011051115, filled on 24-11-2020)

## Publications

Total Research Publication in National and International Journals: 263 (Total Impact Factor: 983 & Total citation: More than 6064, h-index: 40 & i10-index: 144 as on October, 2023).

<https://scholar.google.co.in/citations?user=vwsZ7LIAAAAJ&hl=en>.

### RESEARCH ARTICLES 2023

1. Tabish, Mohammad, Shahbaz Ahmed, Masood Nadeem, IRFAN HUSSAIN, Sana Fatima, and **Mohammad M. Rizvi**. "Preparation, characterization and biochemical studies of nanoformulation of chlorambucil to enhance anticancer efficacy." *New Journal of Chemistry* (2023). **Impact Factor: 3.925**
2. Tiwari, Preeti, Masood Nadeem, Sara Dua, **M. Moshahid A. Rizvi**, and Najmul Arfin. "Zein-laponite coacervate aided co-delivery of curcumin and cisplatin towards MDA-MB-231 breast cancer cells: Validating the concept." *Food Hydrocolloids for Health* (2023): 100164. **(Impact Factor: 1.9)**
3. Rahman, Yusra, Shumaila Afrin, Ahmad Perwez, Mohd Owais Ansari, Tarique Sarwar, Shahbaz

Ahmed, **Moshahid Alam Rizvi**, GG Hammad A. Shadab, and Mohammad Tabish. "Nizatidine interacts with ct-DNA causing genotoxicity and cytotoxicity: an assessment by in vitro, in vivo, and in silico studies." *Journal of Biomolecular Structure and Dynamics* 41, no. 2 (2023): 538-549. **(Impact Factor: 3.392)**

4. Laraib urooj, Arshid Hussain Rahmani, Mohammad A Alsahli, Sahli Almatroodi, Rouf Ahmad wani, **M Moshaid A Rizvi**." Genetic profile of FOXO3 Single Nucleotide Polymorphism in colorectal cancer patients" *Oncology* (2023). (Accepted) **(Impact Factor: 3.5)**
5. Mushtaque, Md, and **MM Alam Rizvi**. "Molecular hybrids based on Pyrazole and 4-Thiazolidinone cores: Synthesis, characterization, and anticancer studies." *Journal of Molecular Structure* 1294 (2023): 136470. **(Impact Factor: 3.841)**
6. Sahu, Ankita, Shaban Ahmad, Khalid Imtiyaz, Ajeeshkumar Kizhakkeppurath Kumaran, Mojahidul Islam, Khalid Raza, Murugesh Easwaran, Asha Kurukkan Kunnath, **Moshahid A. Rizvi**, and Saurabh Verma. "In-silico and in-vitro study reveals Ziprasidone as a potential aromatase inhibitor against breast carcinoma." *Scientific Reports* 13, no. 1 (2023): 1-17. **(Impact Factor: 4.996)**
7. Annu, Zafar Iqbal Bhat, Khalid Imtiyaz, **M. Moshahid A. Rizvi**, Saiqa Ikram, and Dong Kil Shin. "Comparative Study of ZnO-and-TiO<sub>2</sub>-Nanoparticles-Functionalized Polyvinyl Alcohol/Chitosan Bionanocomposites for Multifunctional Biomedical Applications." *Polymers* 15, no. 16 (2023): 3477. **(Impact Factor: 4.967)**
8. Saumya, Khalid Imtiyaz, Moshahid A. Rizvi, and Bhavani P. Nenavathu. "Fabrication of Graphitic Carbon Nitride/Barium Hydroxide Nanocomposite as an Effective Anticancer Agent against MCF-7 Cell Lines." *ChemistrySelect* 8, no. 28 (2023): e202301710. **(Impact Factor: 2.307)**
9. Sahu, Ankita, Dibyabhaba Pradhan, Babita Veer, Sumit Kumar, Ram Singh, Khalid Raza, Moshahid A Rizvi, Arun Kumar Jain, and Saurabh Verma. "In silico screening, synthesis, characterization and biological evaluation of novel anticancer agents as potential COX-2 inhibitors." *DARU Journal of Pharmaceutical Sciences* (2023): 1-15. **(Impact Factor: 4.088)**
10. Rizwanullah, Md, Ahmad Perwez, Meraj Alam, Shah Nawaz Ahmad, Showkat Rasool Mir, Mohd Moshahid Alam Rizvi, and Saima Amin. "Polymer-lipid hybrid nanoparticles of exemestane for improved oral bioavailability and anti-tumor efficacy: An extensive preclinical investigation." *International Journal of Pharmaceutics* (2023): 123136. **(Impact Factor: 6.51)**
11. Yasin, Durdana, Neha Sami, Bushra Afzal, Shaheen Husain, Haleema Naaz, Nazia Ahmad, Almaz Zaki, Moshahid Alam Rizvi, and Tasneem Fatma. "Prospects in the use of gold nanoparticles as cancer theranostics and targeted drug delivery agents." *Applied Nanoscience* 13, no. 6 (2023): 4361-4393. **(Impact Factor: 3.869)**
12. Rani, Madhu, Rashmi Kumari, Shashi Prakash Singh, Annu Devi, Preeti Bansal, Aisha Siddiqi, Mohammed A. Alsahli, Saleh A. Almatroodi, Arshad Husain Rahmani, and M. Moshahid Alam Rizvi. "MicroRNAs as master regulators of FOXO transcription factors in cancer management." *Life Sciences* (2023): 121535. **(Impact Factor: 6.78)**
13. Singh, Geetanjali, Khalid Imtiyaz, Saumya, Moshahid A. Rizvi, and Bhavani P. Nenavathu. "Verteporfin Loaded Graphitic Carbon Nitride Nanosheets for Combined Photo-Chemotherapy." *ChemistrySelect* 8, no. 6 (2023): e202204914. **(Impact Factor: 2.307)**
14. Ramzan, Farhat, Syed Ayaz Nabi, Mehak Saba Lone, Khalid Imtiyaz, Laraib Urooj, Vishakha Vishakha, Kalicharan Sharma et al. "Synthesis, Molecular Docking, and Biological Evaluation of a New Series of Benzothiazinones and Their Benzothiazinyl Acetate Derivatives as Anticancer Agents against MCF-7 Human Breast Cancer Cells and as Anti-Inflammatory Agents." *ACS omega* 8, no. 7 (2023): 6650-6662. **(Impact Factor: 4.132)**
15. Hasan, Nazeer, Mohammad Imran, Masood Nadeem, Dhara Jain, Kashif Haider, M. Moshahid Alam Rizvi, Afsana Sheikh, Prashant Kesharwani, and Farhan Jalees Ahmad. "Formulation and development of novel lipid-based combinatorial advanced nanoformulation for effective treatment of non-melanoma skin cancer." *International journal of pharmaceutics* 632 (2023): 122580.

**(Impact Factor: 6.51)**

16. Ahmad, Mir Hilal, Balaram Ghosh, Moshahid Alam Rizvi, Mansoor Ali, Loveleena Kaur, and Amal Chandra Mondal. "Neural crest cells development and neuroblastoma progression: Role of Wnt signaling." *Journal of Cellular Physiology* 238, no. 2 (2023): 306-328. **(Impact Factor: 6.513)**
17. Mushtaque, Md, Fernando Avecilla, Abdulmohsen Khalaf Dhahi Alsukaibi, Subash S. Pingale, Kirtee M. Kamble, and M. Moshahid A. Rizvi. "Molecular structure and biological activities of 4-thiazolidinone derivatives: a combined theoretical and experimental study." *Phosphorus, Sulfur, and Silicon and the Related Elements* 198, no. 2 (2023): 154-163. **(Impact Factor: 3.392)**
18. Rahman, Yusra, Shumaila Afrin, Ahmad Perwez, Mohd Owais Ansari, Tarique Sarwar, Shahbaz Ahmed, Moshahid Alam Rizvi, GG Hammad A. Shadab, and Mohammad Tabish. "Nizatidine interacts with ct-DNA causing genotoxicity and cytotoxicity: an assessment by in vitro, in vivo, and in silico studies." *Journal of Biomolecular Structure and Dynamics* 41, no. 2 (2023): 538-549. **(Impact Factor: 3.392)**
19. Ahmad, Mir Hilal, Moshahid Alam Rizvi, Mansoor Ali, and Amal Chandra Mondal. "Neurobiology of depression in Parkinson's disease: Insights into epidemiology, molecular mechanisms and treatment strategies." *Ageing research reviews* (2023): 101840. **(Impact Factor: 11.788)**

**RESEARCH ARTICLES 2022**

20. Ameen, Faisal, Sharmin Siddiqui, Tasneem Kausar, Shahid M. Nayeem, Tarique Sarwar, Mohammad Moshahid Alam Rizvi, Sayeed ur Rehman, and Mohammad Tabish. "Interaction of memantine with calf thymus DNA: an in-vitro and in-silico approach and cytotoxic effect on the cancerous cell lines." *Journal of Biomolecular Structure and Dynamics* 40, no. 3 (2022): 1216-1229. **(Impact Factor: 3.392)**
21. Alshammari, Musherah M., Raoudha Soury, Khalaf M. Alenezi, Md Mushtque, M. Moshahid Alam Rizvi, and Ashanul Haque. "Synthesis, characterization, anticancer and in silico studies of a pyrazole-tethered thiazolidine-2, 4-dione derivative." *Journal of Biomolecular Structure and Dynamics* 40, no. 23 (2022): 13075-13082. **(Impact Factor: 3.392)**
22. Afrin, Shumaila, Yusra Rahman, Tarique Sarwar, Mohd Owais Ansari, Shahbaz Ahmed, Moshahid Alam Rizvi, GG Hammad A. Shadab, and Mohammad Tabish. "Cytotoxic and genotoxic evaluation of dipyrindamole and its alternative therapeutic potential in cancer therapy: an in vitro and in vivo approach." *Journal of Molecular Structure* 1249 (2022): 131626. **(Impact Factor: 3.841)**
23. Rabia, Masood Nadeem, M. Moshahid Alam Rizvi, and Arifa Shaheen. "Synthesis, Self-Aggregation, Interfacial Behavior and Interaction Studies of Non-Cytotoxic Caffeinium-Based Surface Active Ionic Liquids with Sodium Dodecyl Sulfate." *ChemistrySelect* 7, no. 41 (2022): e202202689. **(Impact Factor: 2.307)**
24. El-Kafrawy, Sherif A., Mai M. El-Daly, Leena H. Bajrai, Thamir A. Alandijany, Arwa A. Faizo, Mohammad Mobashir, Sunbul S. Ahmed et al. "Genomic profiling and network-level understanding uncover the potential genes and the pathways in hepatocellular carcinoma." *Frontiers in Genetics* 13 (2022): 880440. **(Impact Factor: 4.772)**
25. Khan, Shahanshah, Jawahar Singh Adhikari, Moshahid Alam Rizvi, and Nabo Kumar Chaudhury. "Radioprotective potential of melatonin against  $^{60}\text{Co}$   $\gamma$ -ray-induced testicular injury in male C57BL/6 mice." *Journal of biomedical science* 22, no. 1 (2015): 1-15. **(Impact Factor: 12.771)**
26. Afzal, Bushra, Haleema Naaz, Saiema Ahmedi, Bushra Zeya, Khalid Imtiyaz, Durdana Yasin, Neha Sami et al. "Biosynthesis, characterization and biomedical potential of *Arthrospira indica* SOSA-4 mediated SeNPs." *Bioorganic Chemistry* 129 (2022): 106218. **(Impact Factor: 5.307)**
27. Khalid Imtiyaz, Arshad Husain Rahmani, Mohammed A Alsahli, Saleh A Almatroodi, M Moshahid Alam Rizvi. Fisetin induces apoptosis in human skin cancer cells through downregulating MTH1, *Journal of Biomolecular Structure and Dynamics*, 2022, 1-15, **(Impact Factor: 4.4)**

28. Syed Tauqeer Anwer, Mohammad Mobashir, Omer I Fantoukh, Bushra Khan, Khalid Imtiyaz, Irshad Hussain Naqvi, M Rizvi. Synthesis of Silver Nano Particles Using Myricetin and the In-Vitro Assessment of Anti-Colorectal Cancer Activity: In-Silico Integration, *International Journal of Molecular Sciences*, 2022, 23, 11024, **(Impact Factor: 6.208)**
29. Saeem Ahmad, Iram Khan, Jayamanti Pandit, Nasr A Emad, Shahnaj Bano, Khalid Imtiyaz Dar, M Moshahid Alam Rizvi, Mohd Danish Ansari, Mohd Aqil, Yasmin Sultana. Brain targeted delivery of carmustine using chitosan coated nanoparticles via nasal route for glioblastoma treatment, *International Journal of Biological Macromolecules*, 2022, **(Impact Factor: 8.025)**
30. Aisha Siddiqi, Madhu Rani, Preeti Bansal, M Moshahid Alam Rizvi. Renal cell carcinoma management: A step to nano-chemoprevention, *Life Sciences*, 2022, 120922, **(Impact Factor: 6.7)**
31. Ahmad Perwez, Khushnuma Wahabi, Shabeena Kamarudheen, Raj Ranjan Tiwari, Khalid U Fakhri, Sundeep Singh Saluja, M Moshahid A Rizvi. Association of Parkin with P53 expression and their prognostic significance in north Indian colorectal cancer patients, *Human Gene*, 2022, 33, 201029, **(Impact Factor: 3.913)**
32. Zafar Iqbal Bhat, Afreen N, aseem, Bhupender Kumar, Kalaiarasan Ponnusamy, Raj Ranjan Tiwari, GD Sharma, M Rizvi. Association of PARK-2 non-synonyms polymorphisms and their in silico validation among north Indian colorectal cancer patients, *Journal of Gastrointestinal Cancer*, 2022, 53, 674-682, **(Impact Factor: 1.54)**
33. Nishtha Shalmali, Sandhya Bawa, Md R Ali, Sourav Kalra, Raj Kumar, Bushra Zeya, Moshahid Alam Rizvi, Sangh Partap, Asif Husain. Molecular Docking and In Vitro Anticancer Screening of Synthesized Arylthiazole linked 2H-indol-2-one Derivatives as VEGFR-2 Kinase Inhibitors. *Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)*, 2022, 22, 2166-2180, **(Impact Factor: 2.9)**
34. Md Jahangir Alam, Ozair Alam, Ahmad Perwez, Moshahid Alam Rizvi, Mohd Javed Naim, Vegi GM Naidu, Mohd Imran, Mohammed M Ghoneim, Sultan Alshehri, Faiyaz Shakeel. Design, Synthesis, Molecular Docking, and Biological Evaluation of Pyrazole Hybrid Chalcone Conjugates as Potential Anticancer Agents and Tubulin Polymerization Inhibitors, *Pharmaceuticals*, 2022, 15, 280, **(Impact Factor: 5.2)**
35. Shumaila Afrin, Yusra Rahman, Tarique Sarwar, Mohd Owais Ansari, Shahbaz Ahmed, Moshahid Alam Rizvi, GG Hammad A Shadab, Mohammad Tabish. Cytotoxic and genotoxic evaluation of dipyrindamole and its alternative therapeutic potential in cancer therapy: an in vitro and in vivo approach, *Journal of Molecular Structure*, 2022, 1249, **(Impact Factor: 3.196)**
36. Faisal Ameen, Sharmin Siddiqui, Tasneem Kausar, Shahid M Nayeem, Tarique Sarwar, Mohammad Moshahid Alam Rizvi, Sayeed ur Rehman, Mohammad Tabish. Interaction of memantine with calf thymus DNA: an *in-vitro* and *in-silico* approach and cytotoxic effect on the cancerous cell lines, *Journal of Biomolecular Structure and Dynamics*, 2022, 40, 1216-1229, **(Impact Factor: 4.4)**
37. Bushra Zeya, Sana Nafees, Khalid Imtiyaz, Laraib Uroog, Khalid Umar Fakhri, M Rizvi. Diosmin in combination with naringenin enhances apoptosis in colon cancer cells, *Oncology Reports*, 2022, 47, 1-11, **(Impact Factor: 3.906)**
38. Ashish Mehta, Saud Azam, Arshad Rahmani, Moshahid Rizvi, Ashish Kumar Mandal. Expression of epithelial membrane antigen and cytokeratin among Indian workers exposed to cotton fibre dust in textile industries, *Eastern Mediterranean Health Journal*, 2022, 28, 152-157, **(Impact Factor: 2.087)**

#### RESEARCH ARTICLES 2021

39. Uroog, Laraib, Zafar Iqbal Bhat, Bushra Zeya, Khalid Imtiyaz, Rauf AHMAD Wani, and M.

Moshahid A. Rizvi. "Genetic Polymorphisms of FOXO3a Gene in Colorectal Cancer among North Indian Population." (2021).

40. Fatima, Syeda Warisul, Khalid Imtiyaz, Mohammad M. Alam Rizvi, and Sunil K. Khare. "Microbial transglutaminase nanoflowers as an alternative nanomedicine for breast cancer theranostics." *RSC advances* 11, no. 55 (2021): 34613-34630. , **(Impact Factor: 4.036)**
41. Manzoor, Saliha, Dar Junaid Bashir, Khalid Imtiyaz, M. Moshahid A. Rizvi, Irshad Ahamad, Tasneem Fatma, Nidhi Bharal Agarwal, Indu Arora, and Mohammed Samim. "Biofabricated platinum nanoparticles: therapeutic evaluation as a potential nanodrug against breast cancer cells and drug-resistant bacteria." *RSC advances* 11, no. 40 (2021): 24900-24916. **(Impact Factor: 4.036)**
42. Mir Hilal Ahmad, Mahino Fatima, Mansoor Ali, Moshahid Alam Rizvi, Amal Chandra Mondal, Naringenin alleviates paraquat-induced dopaminergic neuronal loss in SH-SY5Y cells and a rat model of Parkinson's disease, *Neuropharmacology*, 2021, 201, 108831, **(Impact Factor: 5.25)**
43. Yusra Rahman, Shumaila Afrin, Ahmad Perwez, Mohd Owais Ansari, Tarique Sarwar, Shahbaz Ahmed, Moshahid Alam Rizvi, GG Hammad A Shadab, Mohammad Tabish. Nizatidine interacts with ct-DNA causing genotoxicity and cytotoxicity: an assessment by *in vitro*, *in vivo*, and *in silico* studies, *Journal of Biomolecular Structure and Dynamics*, 2021, 1-12, **(Impact Factor: 4.4)**
44. Leena Hussein Bajrai, Sayed Sartaj Sohrab, Mohammad Mobashir, Mohammad Amjad Kamal, Moshahid Alam Rizvi, Esam Ibraheem Azhar. Understanding the role of potential pathways and its components including hypoxia and immune system in case of oral cancer, *Scientific reports*, 2021, 11, 1-10, **(Impact Factor: 4.996)**
45. Md A Khan, Ghulam Md Ashraf, Anwar L Bilgrami, M Rizvi. New horizons in the treatment of neurological disorders with tailorable gold nanoparticles, *Current Drug Metabolism*, 2021, 22, 931-938, **(Impact Factor: 3.408)**
46. Musherah M Alshammari, Raoudha Soury, Khalaf M Alenezi, Md Mushtque, M Moshahid Al Rizvi, Ashanul Haque. Synthesis, characterization, anticancer and *in silico* studies of a pyrazole-tethered thiazolidine-2,4-dione derivative, *Journal of Biomolecular Structure and Dynamics*, 2021, 1-8, **(Impact Factor: 4.4)**
47. Tanveer Ahmad, Imran Khan, M Moshahid Rizvi, Mohd Saalim, Nikhat Manzoor, Asia Sultana. An overview of effect of lycopene and curcumin in oral leukoplakia and submucous fibrosis, *National Journal of Maxillofacial Surgery*, 2021, 12(3), 316–323, **(Impact Factor: 0.35)**
48. Pandit A, Nisar S, Imtiyaz K, Nadeem M, Mazumdar N, Rizvi M.A. Ahmad S. Injectable, Self-Healing, and Biocompatible N,O-Carboxymethyl Chitosan/Multialdehyde Guar Gum Hydrogels for Sustained Anticancer Drug Delivery, *Biomacromolecules*, *ACS Publications*, 2021, 22, 3731- 3745, **(Impact Factor: 6.988)**
49. Ahmad Perwez, Khushnuma Wahabi, Moshahid A Rizvi. Parkin: A targetable linchpin in human malignancies, *Biochimica et Biophysica Acta (BBA)-Reviews on Cancer*, 2021, 1876, 188533, **(Impact Factor: 10.54)**
50. M Rizwanullah, A Perwez, SR Mir, MA Rizvi, S Amin. Exemestane encapsulated polymer-lipid hybrid nanoparticles for improved efficacy against breast cancer: optimization, *in vitro* characterization and cell culture studies. *Nanotechnology*, 2021, 32, 415101, **(Impact Factor: 3.874)**
51. Bushra Afzal, Durdana Yasin, Haleema Naaz, Neha Sami, Almaz Zaki, Moshahid Alam Rizvi, Raj Kumar, Pooja Srivastava, Tasneem Fatma. Biomedical potential of *Anabaena variabilis* NCCU-441 based Selenium nanoparticles and their comparison with commercial nanoparticles *Scientific reports*, 2021, 11 (1), 1-15 **(Impact Factor: 4.379)**
52. Md Abrar Siddiquee, Mehraj ud din Parray, Majid Rasool Kamli, Maqsood Ahmad Malik, Syed

- Hassan Mehdi, Khalid Imtiyaz, M Moshahid Alam Rizvi, Hament Kumar Rajor, Rajan Patel. Biogenic synthesis, in vitro cytotoxicity, esterase activity and interaction studies of copper oxide nanoparticles with lysozyme. *Journal of Materials Research and Technology*, 2021, 13, 2066-2077, **(Impact Factor: 5.289)**
53. Mohammad Kashif Iqbal, Ashif Iqbal, Khalid Imtiyaz, M Moshahid A Rizvi, Madan Mohan Gupta, Javed Ali, Sanjula Baboota. Combinatorial lipid-nanosystem for dermal delivery of 5-fluorouracil and resveratrol against skin cancer: Delineation of improved dermatokinetics and epidermal drug deposition enhancement analysis. *European Journal of Pharmaceutics and Biopharmaceutics*, 2021, 163, 223-239. **(Impact Factor: 4.604)**
54. K Khatoon, A Ali, FJ Ahmad, Z Hafeez, MMA Rizvi, S Akhter, S Beg. Novel nanoemulsion gel containing triple natural bio-actives combination of curcumin, thymoquinone, and resveratrol improves psoriasis therapy: in vitro and in vivo studies. *Drug Delivery and Translational Research*, 2021, 11 (3), 1245-1260. **(Impact Factor: 4.07)**
55. F Danish, MA Khan, GM Ashraf, AL Bilgrami, MMA Rizvi. New horizons in the treatment of neurological disorders with tailorable gold nanoparticles. *Current Drug Metabolism*, 2021-07-14 **(Impact Factor: 3.731)**
56. Lata Singh, Mithalesh Kumar Singh, Maria Cristina Kenney, Martine J Jager, Moshahid Alam Rizvi, Rachna Meel, Neiwete Lomi, Sameer Bakhshi, Seema Sen, Seema Kashyap. Prognostic significance of PD-1/PD-L1 expression in uveal melanoma: correlation with tumor-infiltrating lymphocytes and clinicopathological parameters. *Cancer Immunology, Immunotherapy*, 2021, 70 (5), 1291-1303 **(Impact Factor: 5.442)**
57. A Perwez, K Wahabi, MA Rizvi. Parkin: A targetable linchpin in human malignancies. *Biochimica et Biophysica Acta (BBA)-Reviews on Cancer*, 2021, Volume 1876, Issue 1, 188533 **(Impact Factor: 10.68)**
58. S Nisar, AH Pandit, M Nadeem, MMA Rizvi, S Rattan.  $\gamma$ -Radiation induced L-glutamic acid grafted highly porous, pH-responsive chitosan beads: A smart and biocompatible vehicle for controlled anti-cancer drug delivery. *International Journal of Biological Macromolecules*, 2021, 182, 37-50, **(Impact Factor: 8.025)**
59. Md Abrar Siddiquee, Juhi Saraswat, Khalid Imtiyaz, Ab Raouf Bhat, Farooq Ahmad Wani, Amer M Alanazi, Azmat Ali Khan, M Moshahid Alam Rizvi, Rajan Patel. In-vitro cytotoxicity, synergistic antibacterial activity and interaction studies of imidazolium-based ionic liquids with levofloxacin. *Journal of Molecular Liquids*, 2021, 325, 115125 **(Impact Factor: 6.165)**
60. S Nafees, M Zafaryab, SH Mehdi, B Zia, MA Rizvi, MA Khan. Anti-cancer effect of gingerol in cancer prevention and treatment. *Anti-Cancer Agents in Medicinal Chemistry*, 2021, Volume 21, Issue 4, 428-432 **(Impact Factor: 2.505)**.
61. Sadaf Jamal Gilani, May Bin-Jumah, Md Rizwanullah, Syed Sarim Imam, Khalid Imtiyaz, Sultan Alshehri, Mohd Rizvi, Moshahid Alam. Chitosan coated luteolin nanostructured lipid carriers: optimization, in vitro-ex vivo assessments and cytotoxicity study in breast cancer cells. *Coatings*, 2021, 11 (2), 158 **(Impact Factor: 2.86)**
62. S Husain, SK Verma, D Yasin, MMA Rizvi, T Fatma. Facile green bio-fabricated silver nanoparticles from *Microchaete* infer dose-dependent antioxidant and anti-proliferative activity to mediate cellular apoptosis. *Bio-Organic Chemistry*, 2021, 107, 104535 **(Impact Factor: 5.275)**
63. Sultan Alshehri, Syed Sarim Imam, Md Rizwanullah, Khalid Umar Fakhri, Mohd Moshahid Alam Rizvi, Wael Mahdi, Mohsin Kazi. Effect of chitosan coating on PLGA nanoparticles for oral delivery of thymoquinone: in vitro, ex vivo, and cancer cell line assessments. *Coatings*, 2021, 11 (1), 6. **(Impact Factor: 2.86)**
64. Wasim Akhtar, Akranth Marella, Mohammad Mumtaz Alam, Mohemmed F Khan, Mymoona Akhtar, Tariq Anwer, Farah Khan, Md Naematullah, Faizul Azam, Moshahid A Rizvi, Mohammad Shaquiquzzaman. Design and synthesis of pyrazole-pyrazoline hybrids as cancer-associated selective COX-2 inhibitors. *Archiv der Pharmazie*, 2021, 354 (1), 2000116 **(Impact Factor: 3.751)**
65. Farah Nawaz, Ozair Alam, Ahmad Perwez, Moshahid A Rizvi, Mohd Naim, Nadeem Siddiqui,



Shakilur Rahman, Mukund Jha, Aadil A Sheikh. Design, Synthesis, Molecular Docking, and Anticancer Evaluation of Pyrazole Linked Pyrazoline Derivatives with Carbothioamide Tail as EGFR Kinase Inhibitors. *Anti-Cancer Agents in Medicinal Chemistry* (Formerly Current Medicinal Chemistry-Anti-Cancer Agents), 2021, 21 (1), 42-60 (**Impact Factor: 2.505**)

66. L Singh, MK Singh, MA Rizvi, N Pushker, S Bakhshi, S Sen, S Kashyap. Prognostic significance of immune checkpoints in the tumour–stromal microenvironment of sebaceous gland carcinoma. *British Journal of Ophthalmology* 105 (1), 48-56 (**Impact Factor: 4.638**)

## RESEARCH ARTICLES 2020

67. Zafar, Sobiya, Sohail Akhter, Iqbal Ahmad, Zubair Hafeez, M. Moshahid Alam Rizvi, Gaurav Kumar Jain, and Farhan Jalees Ahmad. "Improved chemotherapeutic efficacy against resistant human breast cancer cells with co-delivery of Docetaxel and Thymoquinone by Chitosan grafted lipid nanocapsules: Formulation optimization, in vitro and in vivo studies." *Colloids and Surfaces B: Biointerfaces* 186 (2020): 110603. (**Impact Factor: 5.268**)
68. Sharma, Yamini, Sumit Kumar Rastogi, Ahmad Perwez, Moshahid Alam Rizvi, and Nikhat Manzoor. " $\beta$ -citronellol alters cell surface properties of *Candida albicans* to influence pathogenicity related traits." *Medical mycology* 58, no. 1 (2020): 93-106. (**Impact Factor: 3.747**)
69. Mishra, Ratish Chandra, Rosy Kumari, Zafar Iqbal, Mohammad Moshahid Alam Rizvi, and Jaya Parkash Yadav. "Synthesis, characterization, comparative antidandruff efficacy and cytotoxicity studies of biosynthesized silver nanoparticles by using *Glycyrrhiza glabra* root." *Advanced Science, Engineering and Medicine* 12, no. 2 (2020): 156-162. (**Impact Factor: 0.987**)
70. Rizwanullah, Md, Meraj Alam, Showkat R. Mir, Mohd Rizvi, and Saima Amin. "Polymer-lipid hybrid nanoparticles: A next-generation nanocarrier for targeted treatment of solid tumors." *Current pharmaceutical design* 26, no. 11 (2020): 1206-1215. (**Impact Factor: 3.31**)
71. Aneja, Babita, Aarfa Queen, Parvez Khan, Farheen Shamsi, Afzal Hussain, Phool Hasan, M. Moshahid A. Rizvi et al. "Design, synthesis & biological evaluation of ferulic acid-based small molecule inhibitors against tumor-associated carbonic anhydrase IX." *Bioorganic & Medicinal Chemistry* 28, no. 9 (2020): 115424. (**Impact Factor: 3.461**)
72. Uroog, Laraib, Zafar Iqbal Bhat, Khalid Imtiyaz, Bushra Zeya, Rauf Ahmad Wani, and M. Moshahid A. Rizvi. "Genetic variants of epidermal growth factor receptor (EGFR) and their association with colorectal cancer risk in North Indian population." *Gene Reports* 19 (2020): 100681. (**Impact Factor: 0.13**)
73. Rizwanullah, M. D., Mohd Moshahid Alam Rizvi, and Saima Amin. "Recent Advances in the Development of Nanoparticles for Oral Delivery." *Pharmaceutical Drug Product Development and Process Optimization: Effective Use of Quality by Design* (2020): 309-332.
74. Alshehri, Sultan, Syed Sarim Imam, Md Rizwanullah, Khalid Umar Fakhri, Mohd Moshahid Alam Rizvi, Wael Mahdi, and Mohsin Kazi. "Effect of chitosan coating on PLGA nanoparticles for oral delivery of thymoquinone: In vitro, ex vivo, and cancer cell line assessments." *Coatings* 11, no. 1 (2020): 6. (**Impact Factor: 3.2**)
75. Akhtar, Wasim, Mohemmed Faraz Khan, Garima Verma, M. Shaquiquzzaman, M. A. Rizvi, Syed Hassan Mehdi, Mymoona Akhter, and M. Mumtaz Alam. "Therapeutic evolution of benzimidazole derivatives in the last quinquennial period." *European journal of medicinal chemistry* 126 (2017): 705-753. (**Impact Factor: 7.088**)
76. Ashiq Hussain Pandit, Nasreen Mazumdar, Khalid Imtiyaz, M. Moshahid Alam Rizvi, and Sharif Ahmad. (2020). *ACS Applied Bio Materials* 3 (12), 8460-8470 (**Impact Factor: 3.25**)
77. Khan, M. A., Akram, M. F., Alam, K., Ahsan, H., & Rizvi, M. A. (2020). Peroxynitrite-Mediated Structural Changes in Histone H2A: Biochemical and Biophysical Analysis. *Protein and Peptide Letters*. (**Impact Factor: 1.890**)
78. Faisal Ameen, Sharmin Siddiqui, Tasneem Kausar, Shahid M. Nayeem, Tarique Sarwar,

Mohammad **Moshahid Alam Rizvi**, Sayeed ur Rehmand and Mohammad Tabish. (2020). Interaction of memantine with calf thymus DNA: an in-vitro and in-silico approach and cytotoxic effect on the cancerous cell lines. *Journal of Biomolecular Structure and Dynamics*. 1-14 (**Impact Factor: 4.986**).

79. Saraswat J, Aldahmash B, AlOmarS, Imtiyaz K, Rizvi M.A. Patel R. (2020). Synergistic antimicrobial activity of N-methyl substituted pyrrolidinium-based ionic liquids and melittin against *Gram-positive* and *Gram-negative* bacteria. *Applied Microbiology and Biotechnology*. 104 (24): 10465–10479. (**Impact Factor: 4.986**).
80. Imran, M., Iqbal, M. K., Imtiyaz, K., Saleem, S., Mittal, S., **Rizvi, M. M. A.**, & Babita, S. (2020). Topical nanostructured lipid carrier gel of quercetin and resveratrol: Formulation, optimization, in vitro and ex vivo study for the treatment of skin cancer. *International Journal of Pharmaceutics*, 587, 119705. (**Impact Factor: 5.875**)
81. Nawaz F, Alam O, Perwez A, **Rizvi MA**, Naim MJ, Siddiqui N, Pottoo FH, Jha M (2020.) 3'-(4-(Benzyloxy)phenyl)-1'-phenyl-5-(heteroaryl/aryl)-3,4-dihydro-1'H,2H-[3,4'-bipyrazole]-2-carboxamides as EGFR kinase inhibitors: Synthesis, anticancer evaluation, and molecular docking studies. *Archiv der Pharmazie*.;e1900262. (**Impact Factor: 3.751**)
82. Shamsi F, Hasan P, Queen A, Hussain A, Khan P, Zeya B, King HM, Rana S, Garrison J, Alajmi MF, **Rizvi MM**. Synthesis and SAR studies of novel 1, 2, 4-oxadiazole-sulfonamide based compounds as potential anticancer agents for colorectal cancer therapy. *Bioorganic Chemistry*. 2020 Mar 13:103754. (**Impact Factor: 5.275**)
83. Fatima M, Ahmad MH, Srivastav S, **Rizvi MA**, Mondal AC. A Selective D2 Dopamine receptor agonist alleviates depression through up-regulation of tyrosine hydroxylase and increased neurogenesis in hippocampus of the prenatally stressed rats. *Neurochemistry international*. 2020 Mar 19:104730. (**Impact Factor: 3.921**)
84. Saraswat J, Wani FA, Dar KI, **Rizvi MM**, Patel R. Noncovalent Conjugates of Ionic Liquid with Antibacterial Peptide Melittin: An Efficient Combination against Bacterial Cells. *ACS omega*. 2020 Mar 17;5(12):6376-88. (**Impact Factor: 3.512**)
85. Maurya N, Imtiyaz K, **Rizvi MM**, Khedher KM, Singh P, Patel R. Comparative *invitro* cytotoxicity and binding investigation of artemisinin and its biogenetic precursors with ctDNA. *RSC Advances*. 2020;10(41):24203-14. (**Impact Factor: 3.361**)
86. Singh L, Singh MK, **Rizvi MA**, Bakhshi S, Meel R, Lomi N, Sen S, Kashyap S. Clinicalrelevance of the comparative expression of immune checkpoint markers with the clinicopathological findings in patients with primary and chemoreduced retinoblastoma. *Cancer Immunology, Immunotherapy*. 2020 Feb 26:1-3. (**Impact Factor: 5.442**)
87. Mishra RC, Kumari R, Iqbal Z, **Rizvi MM**, Yadav JP. Synthesis, characterization, comparative antidandruff efficacy and cytotoxicity studies of biosynthesized silver nanoparticles by using *Glycyrrhiza glabra* root. *Advanced Science, Engineering and Medicine*. 2020 Feb 1;12(2):156-62. (**Impact Factor: 0.987**)
88. Tiwari RR, Wahabi K, Perwez A, Bhat ZI, Hasan SS, Saluja SS, **Rizvi MA**. Implication of alterations in Parkin gene among North Indian patients with colorectal cancer. *The TurkishJournal of Gastroenterology*. 2020 Mar;31(3):211. (**Impact Factor: 1.111**)
89. Singh G, Nenavathu BP, Imtiyaz K, **Rizvi MM**. Fabrication of chlorambucil loaded graphene- oxide nanocarrier and its application for improved antitumor activity. *Biomedicine & Pharmacotherapy*. 2020 Sep 1;129:110443. (**Impact Factor: 6.529**)

#### RESEARCH ARTICLES 2019

90. Khan, Mohemmed Faraz, Garima Verma, Wasim Akhtar, Mohammad Shaquiquzzaman, Mymoona Akhter, Moshahid Alam Rizvi, and Mohammad Mumtaz Alam. "Pharmacophore modeling, 3D-QSAR, docking study and ADME prediction of acyl 1, 3, 4-thiadiazole amides and sulfonamides as antitubulin agents." *Arabian Journal of Chemistry* 12, no. 8 (2019): 5000-5018. (**Impact Factor: 6.212**)
91. Bhat, Zafar Iqbal, Bupender Kumar, Savita Bansal, Afreen Naseem, Raj Ranjan Tiwari, Khushnuma

- Wahabi, G. D. Sharma, and M. Moshahid Alam Rizvi. "Association of PARK2 promoter polymorphisms and methylation with colorectal cancer in North Indian population." *Gene* 682 (2019): 25-32. **Impact Factor: 3.913**
92. Hasan, Phool, Vijay K. Pillalamarri, Babita Aneja, Mohammad Irfan, Mudsser Azam, Ahmad Perwez, Ronan Maguire et al. "Synthesis and mechanistic studies of diketo acids and their bioisosteres as potential antibacterial agents." *European Journal of Medicinal Chemistry* 163 (2019): 67-82. **(Impact Factor: 7.088)**
  93. Tiwari, Raj Ranjan, Zafar Iqbal Bhat, Afreen Naseem, S. S. Hasan, and M. Moshahid Alam Rizvi. "Association between PARK2 Intronic SNP."
  94. Kazim, Zakia, Khushnuma Wahabi, Ahmad Perwez, Pawanindra Lal, and Moshahid Alam Rizvi. "PTEN genetic and epigenetic alterations define distinct subgroups in North Indian breast cancer patients." *Asian Pacific Journal of Cancer Prevention: APJCP* 20, no. 1 (2019): 269. **(Impact Factor: 2.514)**
  95. Shamsi, Farheen, Babita Aneja, Phool Hasan, Bushra Zeya, M. Zafaryab, Syed Hassan Mehdi, M. Moshahid Alam Rizvi, Rajan Patel, Sandeep Rana, and Mohammad Abid. "Synthesis, Anticancer Evaluation and DNA-Binding Spectroscopic Insights of Quinoline-Based 1, 3, 4-Oxadiazole-1, 2, 3-triazole Conjugates." *ChemistrySelect* 4, no. 41 (2019): 12176-12182. **(Impact Factor: 2.307)**
  96. Khan, Md A., Khursheed Alam, Ghulam Md Ashraf, and M. Rizvi. "Impact of hydroxyl radical modified-human serum albumin autoantigens in systemic lupus erythematosus." *Current Protein and Peptide Science* 19, no. 9 (2018): 881-888. **(Impact Factor: 3.118)**
  97. Mushtaque M, AVECILLA F, Haque A, Yab Z, Rizvi MA, Khan MS. Synthesis, structural and biological activity of N-substituted 2-methyl-4-/5-nitroimidazole derivatives. *Journal of Molecular Structure*. 2019 Jun 5;1185:440-9. **(Impact Factor: 3.196)**
  98. Sharma Y, Rastogi SK, Perwez A, Rizvi MA, Manzoor N.  $\beta$ -citronellol alters cell surface properties of *Candida albicans* to influence pathogenicity related traits. *Medical mycology*. 2019 Mar 6. **(Impact Factor: 4.076)**
  99. Khan MF, Anwer T, Bakht A, Verma G, Akhtar W, Alam MM, Rizvi MA, Akhter M, Shaquiquzzaman M. Unveiling novel diphenyl-1H-pyrazole based acrylates tethered to 1, 2, 3-triazole as promising apoptosis inducing cytotoxic and anti-inflammatory agents. *Bioorganic Chemistry*. 2019 Jun 1;87:667-78. **(Impact Factor: 4.831)**
  100. Singh L, Singh MK, Rizvi MA, Kashyap S. Interaction of Immune Checkpoints in Tumor- Stromal Microenvironment of Primary and Chemoreduced Retinoblastoma. *Investigative Ophthalmology & Visual Science*. 2019 Jul 22;60(9):2319-. **(Impact Factor: 4.799)**
  101. Wahabi K, Perwez A, Kamarudheen S, Bhat ZI, Mehta A, Rizvi MA. Parkin gene mutations are not common, but its epigenetic inactivation is a frequent event and predicts poor survival in advanced breast cancer patients. *BMC cancer*. 2019 Dec 1;19(1):820. **(Impact Factor: 4.430)**
  102. Mehdi SH, Zafaryab M, Nafees S, Khan A, Ahmad I, Hafeez ZB, Rizvi MA. Chrysin Sensitizes Human Lung Cancer Cells to Tumour Necrosis Factor Related Apoptosis-Inducing Ligand (TRAIL) Mediated Apoptosis. *Asian Pacific Journal of Cancer Biology*. 2019 Aug 3;4(2):27-33. **(Impact Factor: 1.813)**
  103. Pandit AH, Mazumdar N, Imtiyaz K, Rizvi MA, Ahmad S. Periodate-Modified Gum Arabic Cross-linked PVA Hydrogels: A Promising Approach toward Photoprotection and Sustained Delivery of Folic Acid. *ACS omega*. 2019 Oct 1. **(Impact Factor: 3.512)**
  104. Hasan P, Pillalamarri VK, Aneja B, Irfan M, Azam M, Perwez A, Rizvi MA, Maguire R, Yadava U, Kavanagh K, Daniliuc CG, Ahmad MB, Abid M. Synthesis and mechanistic studies of diketo acids and their bioisosteres as potential antibacterial agents. *European journal of medicinal chemistry*. 2019 Feb 1;163:67-82. **(Impact Factor: 6.514)**
  105. Yasin D, Zafaryab M, Ansari S, Ahmad N, Khan NF, Zaki A, Rizvi MA, Fatma T. Evaluation of antioxidant and anti-proliferative efficacy of *Nostoc muscorum* NCCU-442. *Biocatalysis and agricultural biotechnology*. 2019 Jan 1;17:284-93. **(Impact Factor: 3.28)**
  106. Maurya N, Maurya JK, Singh UK, Dohare R, Zafaryab M, Rizvi MA, Kumari M, Patel R. *In Vitro* cytotoxicity and interaction of nescapine with human serum albumin: Effect on structure

and esterase activity of HSA. *Molecular pharmaceuticals*. 2019 Jan 10;16(3):952-66. (**Impact Factor: 4.939**)

107. Kazim Z, Wahabi K, Perwez A, Lal P, **Rizvi MA**. PTEN Genetic and Epigenetic Alterations Define Distinct Subgroups in North Indian Breast Cancer Patients. *Asian Pacific journal of cancer prevention: APJCP*. 2019;20(1):269. (**Impact Factor: 1.813**)
108. Khan, Mohemmed Faraz, Garima Verma, Wasim Akhtar, Mohammad Shaquiquzzaman, Mymoona Akhter, **Moshahid Alam Rizvi**, Mohammad Mumtaz Alam, (2019). Pharmacophore modeling, 3D-QSAR, docking study and ADME prediction of acyl 1,3,4-thiadiazole amides and sulfonamides as antitubulin agents. *Arabian Journal of Chemistry*. (In Press) (**Impact Factor: 5.165**).

## RESEARCH ARTICLES 2018

109. Rizwanullah, Md, Saima Amin, Showkat Rasool Mir, Khalid Umar Fakhri, and Mohd Moshahid Alam Rizvi. "Phytochemical based nanomedicines against cancer: current status and future prospects." *Journal of drug targeting* 26, no. 9 (2018): 731-752. **Impact Factor: 5.016**
110. Mehdi SH, Nafees S, Khan A, **Rizvi MA**. Chrysin: A promising anticancer agent its current trends and future imedpub journals chrysin: A promising anticancer agent its current trends and future perspectives. *European Journal of Experimental Biology*. 2018;8:16. (**Impact Factor: 3.65**)
111. Yasin D, Fatma T, Zafaryab M, Ahmad N, Aziz N, **Rizvi MA**. Exploring the Bio-efficacies of Methanolic Extracts of *Nostoc muscorum* and *Calothrix brevisissima* with their Characterization Using GC-MS. *The Natural Products Journal*. 2018 Dec 1;8(4):305-16. (**Impact Factor: 1.01**)
112. Ali M, Amin S, Mir SR, Fakhri KU, **Rizvi MA**. Phytochemical based nanomedicines against cancer: current status and future prospects. *Journal of drug targeting*. 2018 Oct 21;26(9):731-52. (**Impact Factor: 5.121**)
113. Bhat ZI, Kumar B, Bansal S, Naseem A, Tiwari RR, Wahabi K, Sharma GD, **Rizvi MA**. Association of PARK2 promoter polymorphisms and methylation with colorectal cancer in North Indian population. *Gene*. 2019 Jan 15;682:25-32. (**Impact Factor: 2.984**)
114. Aneja B, Azam M, Alam S, Perwez A, Maguire R, Yadava U, Kavanagh K, Daniliuc CG, **Rizvi MA**, Haq QM, Abid M. Natural product-based 1, 2, 3-triazole/sulfonate analogues as potential chemotherapeutic agents for bacterial infections. *ACS omega*. 2018 Jun 26;3(6):6912-30. (**Impact Factor: 3.512**)
115. Ahmad K, Hafeez ZB, Bhat AR, **Rizvi MA**, Thakur SC, Azam A, Athar F. Antioxidant and apoptotic effects of *Callistemon lanceolatus* leaves and their compounds against human cancer cells. *Biomedicine & Pharmacotherapy*. 2018 Oct 1;106:1195-209. (**Impact Factor: 6.529**)
116. Nafees S, Mehdi SH, Zafaryab M, Zeya B, Sarwar T, **Rizvi MA**. Synergistic Interaction of Rutin and Silibinin on Human Colon Cancer Cell Line. *Archives of medical research*. 2018 May 1;49(4):226-34. (**Impact Factor: 2.235**)
117. Shamsi F, **Rizvi MA**, Abid M. The Upshot of PI3K Inhibitors as Anticancer Arsenal: A Short Review. *Current Bioactive Compounds*. 2018 Dec 1;14(4):331-46. (**Impact Factor: 1.31**)
118. Kouser R, Vashist A, Zafaryab M, **Rizvi MA**, Ahmad S. pH-Responsive Biocompatible Nanocomposite Hydrogels for Therapeutic Drug Delivery. *ACS Applied Bio Materials*. 2018 Nov 8;1(6):1810-22. (**Impact Factor: 3.25**)
119. Kouser R, Vashist A, Zafaryab M, **Rizvi MA**, Ahmad S. Na-Montmorillonite-Dispersed Sustainable Polymer Nanocomposite Hydrogel Films for Anticancer Drug Delivery. *ACS omega*. 2018 Nov 20;3(11):15809-20. (**Impact Factor: 3.512**)
120. Wahabi K, Perwez A, **Rizvi MA**. Parkin in Parkinson's disease and cancer: a double-edged sword. *Molecular neurobiology*. 2018 Aug 1;55(8):6788-800. (**Impact Factor: 5.590**)
121. Aneja B, Arif R, Perwez A, Napoleon JV, Hasan P, **Rizvi MA**, Azam A, Abid M. N-Substituted 1,2,3-Triazolyl-Appended Indole-Chalcone Hybrids as Potential DNA Intercalators Endowed with Antioxidant and Anticancer Properties. *ChemistrySelect*. 2018 Mar 7;3(9):2638-45. (**Impact**

**Factor: 2.109)**

122. Hejazi II, Khanam R, Mehdi SH, Bhat AR, **Rizvi MA**, Thakur SC, Athar F. Antioxidative and anti-proliferative potential of *Curculigo orchoides* Gaertn in oxidative stress induced cytotoxicity: In vitro, ex vivo and in silico studies. *Food and chemical toxicology*. 2018 May 1;115:244-59. (**Impact Factor: 6.023**)
123. Khan MA, Zafaryab M, Mehdi SH, Ahmad I, **Rizvi MA**. Physicochemical characterization of curcumin loaded chitosan nanoparticles: Implications in cervical cancer. *Anti-Cancer Agents in Medicinal Chemistry* (Formerly Current Medicinal Chemistry-Anti-Cancer Agents). 2018 Jun 1;18(8):1131-7. (**Impact Factor: 2.505**)
124. Kouser R, Vashist A, Zafaryab M, **Rizvi MA**, Ahmad S. Biocompatible and mechanically robust nanocomposite hydrogels for potential applications in tissue engineering. *Materials Science and Engineering: C*. 2018 Mar 1;84:168-79. (**Impact Factor: 7.328**)
125. Khan MA, Alam K, Ashraf GM, **Rizvi MA**. Impact of hydroxyl radical modified-human serum albumin autoantigens in systemic lupus erythematosus. *Current Protein and Peptide Science*. 2018 Sep 1;19(9):881-8. (**Impact Factor: 2.520**)

#### **RESEARCH ARTICLES 2017**

126. Ahmad, S., A. Amir, M. Zafaryab, K. Osama, S. A. Faridi, M. H. Siddiqui, M. Rizvi, and M. A. Khan. "Production and characterization of polyhydroxybutyrate biopolymer from *Azohydromonas australica* using sucrose as a sole carbon source." *J Microb Biochem Technol* 9 (2017): 082-086. (**Impact Factor: 2.520**)
127. Khan S, Adhikari JS, Rizvi MA, Chaudhury NK. Melatonin attenuates <sup>60</sup>Co  $\gamma$ -ray-induced hematopoietic, immunological and gastrointestinal injuries in C57BL/6 male mice. *Environmental toxicology*. 2017 Feb;32(2):501-18. (**Impact Factor: 4.119**)
128. Mushtaque M, Avecilla F, Hafeez ZB, Jahan M, Khan MS, Rizvi MA, Khan MS, Srivastava A, Mallik A, Verma S. Synthesis, stereochemistry determination, pharmacological studies and quantum chemical analyses of bisthiazolidinone derivative. *Journal of Molecular Structure*. 2017 Jan 5;1127:99-113. (**Impact Factor: 3.196**).
129. Khan MF, Alam MM, Verma G, Akhtar W, Rizvi MA, Ali A, Akhter M, Shaquiquzzaman M. Molecular interactions of dioxins and DLCs with the ketosteroid receptors: an in silico risk assessment approach. *Toxicology mechanisms and methods*. 2017 Feb 12;27(2):151-63. (**Impact Factor: 2.987**)
130. Akhtar W, Khan MF, Verma G, Shaquiquzzaman M, Rizvi MA, Mehdi SH, Akhter M, Alam MM. Therapeutic evolution of benzimidazole derivatives in the last quinquennial period. *European journal of medicinal chemistry*. 2017 Jan 27;126:705-53. (**Impact Factor: 6.514**)
131. Khan MA, Zafaryab M, Mehdi SH, Quadri J, Rizvi MA\*. Characterization and carboplatin loaded chitosan nanoparticles for the chemotherapy against breast cancer in vitro studies. *International journal of biological macromolecules*. 2017 Apr 1;97:115-22. (**Impact Factor: 6.953**)
132. Mushtaque M, Avecilla F, Haque A, Perwez A, Khan MS, Rizvi MA. Experimental and theoretical studies of a pyrazole-thiazolidin-2, 4-di-one hybrid. *Journal of Molecular Structure*. 2017 Aug 5;1141:417-27. (**Impact Factor: 3.196**)
133. Khan MA, Alam K, Zafaryab M, Rizvi MA. Peroxynitrite-modified histone as a pathophysiological biomarker in autoimmune diseases. *Biochimie*. 2017 Sep 1;140:1-9. (**Impact Factor: 4.079**)
134. Naseem A, Bhat ZI, Kalaiarasan P, Kumar B, Gandhi G, Rizvi MA. Genetic and epigenetic alterations affecting PARK-2 expression in cervical neoplasm among North Indian patients. *Tumor Biology*. 2017 Jun;39(6):1010428317703635. (**Impact Factor: 4.248**)
135. Mushtaque M\*, Avecilla F, Pingale SS, Kamble KM, Yab Z, Rizvi MA. Computational and experimental studies of 4-thiazolidinone-cyclopropyl hybrid. *Journal of Molecular Liquids*. 2017 Sep 1;241:912-21. (**Impact Factor: 6.165**)
136. Lal S, Perwez A, Rizvi MA, Datta M. Design and development of a biocompatible montmorillonite PLGA nanocomposites to evaluate in vitro oral delivery of insulin. *Applied Clay Science*. 2017 Oct 1;147:69-79. (**Impact Factor: 5.467**)
137. Khan MA, Alam K, Hassan SM, Rizvi MM. Nitration of H2B histone elicits an immune response in experimental animals. *Autoimmunity*. 2017 May 19;50(4):232-40. (**Impact Factor: 2.815**)

138. Hejazi II, Khanam R, Mehdi SH, Bhat AR, Rizvi MA, Islam A, Thakur SC, Athar F. New insights into the antioxidant and apoptotic potential of *Glycyrrhiza glabra* L. during hydrogen peroxide mediated oxidative stress: an in vitro and in silico evaluation. *Biomedicine & pharmacotherapy*. 2017 Oct 1;94:265-79. (Impact Factor: 6.529)
139. Khan MA, Alam K, Mehdi SH, Rizvi MA. Genotoxic effect and antigen binding characteristics of SLE auto-antibodies to peroxynitrite-modified human DNA. *Archives of biochemistry and biophysics*. 2017 Dec 1;635:8-16. (Impact Factor: 4.013)
140. Kumar B, Bhat ZI, Bansal S, Saini S, Naseem A, Wahabi K, Burman A, Kumar GT, Saluja SS, Rizvi MA. Association of mitochondrial copy number variation and T16189C polymorphism with colorectal cancer in North Indian population. *Tumor Biology*. 2017 Nov;39(11):1010428317740296. (Impact Factor: 4.248)
141. Afreen Naseem, Zafar Iqbal Bhat, Ponnusamy Kalaiarasan, Bhupender Kumar, Zubair BinHafeez, Raj Ranjan Tiwari, Khushnuma Wahabi, Gauri Gandhi, Moshahid Alam Rizvi. (2019). Assessment of epigenetic alterations and in silico analysis of mutation affecting PTEN expression among Indian cervical cancer patients. *Journal of cellular Biochemistry*. 1-16 (Impact Factor: 4.429)

#### RESEARCH ARTICLES 2016

142. Aneja, Babita, Mohammad Irfan, Md Imtaiyaz Hassan, Amresh Prakash, Umesh Yadava, Constantin G. Daniliuc, Md Zafaryab, M. Moshahid A. Rizvi, Amir Azam, and Mohammad Abid. "Monocyclic  $\beta$ -lactam and unexpected oxazinone formation: synthesis, crystal structure, docking studies and antibacterial evaluation." *Journal of enzyme inhibition and medicinal chemistry* 31, no. 5 (2016): 834-852. **(Impact Factor: 5.756)**
143. Aneja, Babita, Mohammad Irfan, Charu Kapil, Mohamad Aman Jairajpuri, Ronan Maguire, Kevin Kavanagh, M. Moshahid A. Rizvi, Nikhat Manzoor, Amir Azam, and Mohammad Abid. "Effect of novel triazole–amino acid hybrids on growth and virulence of *Candida* species: in vitro and in vivo studies." *Organic & Biomolecular Chemistry* 14, no. 45 (2016): 10599-10619. **(Impact Factor: 3.89)**
144. Mallick, Neha, Mohammed Anwar, Mohammed Asfer, Syed Hassan Mehdi, Mohammed Moshahid Alam Rizvi, Amulya Kumar Panda, Sushama Talegaonkar, and Farhan Jalees Ahmad. "Chondroitin sulfate-capped super-paramagnetic iron oxide nanoparticles as potential carriers of doxorubicin hydrochloride." *Carbohydrate polymers* 151 (2016): 546-556. **(Impact Factor: 11.2)**
145. Marwah, Akanksha, Zaffar Iqbal, Md Zafaryab, Mahesh Verma, Moshahid MA Rizvi, and Sunita Gupta. "Profiling of pro-inflammatory cytokines in radiation induced oral mucositis (riom) among indian patients." *Brazilian Journal of Oral Sciences* 15, no. 4 (2016): 280-285. **(Impact Factor: 0.146)**
146. Ahmad, I., M. Nasiruddin, M. A. Khan, M. Zafaryab, S. H. Mehdi, and M. M. Rizvi. "Nutraceuticals as chemopreventive and therapeutic agents in gut associated pathogenesis." *Biochem Anal Biochem* 5, no. 298 (2016): 2161-1009. **(Impact Factor: 2.9)**
147. Faridi, Aysha Aziz, M. Moshahid A. Rizvi, and Mohammad Serajuddin. "Food and feeding habits of peacock eel, *Macrognathus aculeatus* (Bloch, 1786) from Eastern Uttar Pradesh, India." *International journal of fisheries and aquatic studies* 4, no. 4 (2016): 130-134. **(Impact Factor: 0.412)**
148. Ankita Leekha, Bahadur S. Gurjar, Aakriti Tyagi, Moshahid Alam Rizvi, Anita Kamra Verma (2016). 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*. 142(12):2503-2514. **(Impact Factor: 4.553)**.
149. Himanshu Arora, Rehana Qureshi, Moshahid Alam Rizvi, Sharad Shrivastava, Mordhwaj S . Parihar (2016). Study of apoptosis-related interactions in colorectal cancer. *Tumor Biology*. 37(11):14415-14425. **(Impact Factor: 4.248)**.
150. Md Mushtaque, Fernando Avecilla, Zubair Bin Hafeez, Meriyam Jahan, Md Shahzad Khan, M. Moshahid A. Rizvi, Mohd Shahid Khan, Anurag Srivastava, Anwasha Mallik, Saurabh Verma (2016). Enhanced anti-tumor efficacy of paclitaxel with PEGylated lipidic nanocapsules in presence of curcumin and poloxamer: In vitro and in vivo. *Pharmacological Research*. 113:146-

165. (**Impact Factor: 7.658**).

151. Neha Malik, Mohammad Anwar, Mohammad Asfer, Syed Hassan Mehdi, **Moshahid Alam Rizvi**, Amulya Kumar Panda, Sushma Talegaonkar, Farhan Jalees Ahmad (2016). Chondroitin sulfate-capped super-paramagnetic iron oxide nanoparticles as potential carrier of doxorubicin hydrochloride. *Carbohydrate polymers*. 151:546-556. (**Impact Factor: 9.381**).
152. Priyanka Singh, Pankaj Sharma, Mala Chhabra, **Moshahid Alam Rizvi**, Veena Mittal, Dipesh Bhattacharya, Srinivas Venkatesh, Arvid Rai (2016). Continued persistence of ECSA genotype with replacement of K211E in E1 gene of Chikungunya virus in Delhi from 2010-2014. *Asian Pacific Journal of Tropical Disease*. 6(7):564-566. (**Impact Factor: 0.00**).
153. Asgar Ali, Syed Jafar Mehdi, Krishnan Hajela, Sundeep Singh Saluja, Pramod Kumar Mishra, Aga Syed Sameer, **Moshahid Alam Rizvi\*** (2016). Allelic loss at PTEN locus lead to progression of colorectal carcinoma among North Indian patients. *Biomarkers*. 21(8):716-720. (**Impact Factor: 2.658**).
154. Md. Asad Khan · Md. Zafaryab · Syed Hassan Mehdi, **Moshahid Alam Rizvi**. (2016) Characterization and anti-proliferative activity of curcumin loaded chitosan nanoparticles in cervical cancer. *International Journal of Biomacromolecules*, 93:242-253. (**Impact Factor: 6.953**).
155. Shahanshah Khan, Sandeep Choudhary, Arun Kumar, Akanchha Mani Tripathi, Amit Alok, Jawahar Singh Adhikari, **Moshahid Alam Rizvi**, Nabo Kumar Chaudhury (2016). Evaluation of sesamol-induced histopathological, biochemical, haematological and genomic alteration after acute oral toxicity in female C57BL/6 mice. *Toxicology Reports*. 3:880-894. (**Impact Factor: 4.81**).
156. Rehana Qureshi, Himanshu Arora, Shilpi Biswas, Ahmad Perwez, Afreen Naseem, Saima Wajid, Gauri Gandhi, **Moshahid Alam Rizvi**, (2016). Mutation analysis of EGFR and its correlation with the HPV in Indian cervical cancer patients, *Tumor Biology*. 37(7):9089-9098. (**Impact Factor: 4.248**).

#### RESEARCH ARTICLES 2015

157. Khan, S., A. Kumar, J. S. Adhikari, M. A. Rizvi, and N. K. Chaudhury. "Protective effect of sesamol against  $^{60}\text{Co}$   $\gamma$ -ray-induced hematopoietic and gastrointestinal injury in C57BL/6 male mice." *Free radical research* 49, no. 11 (2015): 1344-1361. (**Impact Factor: 6.953**).
158. Asad Khan, Khurseed Alam, Kiran Dixit, Moshahid Alam Rizvi. (2015) Role of peroxynitrite induced structural changes on H2B histone by physiochemical method. *International journal of Biological Macromolecules*. 82:31-38. (**Impact Factor: 3.3**).
159. Javed Ahmad, Sohail Akhtar, Saima Amin, Mahfoozur Rahman, Mohammad Zaki Ahmad, **Moshahid Alam Rizvi**, Mohammad A Kamal, Farhan A Jalees Ahmad (2015). Nanotechnology based inhalation treatment for lung cancer: State of the Art. *Nanotechnology, Science and Applications*. 8:55. (**Impact Factor: 6.29**).
160. Tarique Sarwar, Md. Zafaryab, Mohammed Amir Husain, Hassan Mubarak Ishqi, Sayeed Ur Rahman, **M. Moshahid Alam Rizvi**, Mohammad Tabish (2015). Redox cycling of endogenous copper by ferulic acid leads to cellular DNA breakage and consequent cell death: A putative cancer chemotherapy mechanism. *Toxicology and Applied Pharmacology*, 289(2):251-61. (**Impact Factor: 4.219**).
161. Shahanshah Khan · Arun Kumar · Jawahar Singh Adhikari **Moshahid Alam Rizvi**, Nabo Kumar Chaudhury (2015). Protective effect of sesamol against  $^{60}\text{Co}$   $\gamma$ -ray-induced hematopoietic and gastrointestinal injury in C57BL/6 male mice. *Free Radical Research*. 49(11):1344-61. (**Impact Factor: 4.148**).
162. Shahansha Khan, Jawahar Singh Adhikari, **Moshahid Alam Rizvi**, Nabo Kumar Chaudhury. (2015). Radioprotective potential of melatonin against  $^{60}\text{C}$  Y-ray-induced testicular injury in male C57BL/6 mice. *Journal of Biomedical Science*. 22(1):61. (**Impact Factor: 8.410**).
163. Amit Kumar, Md. Zafaryab, Ahmad Umar, **Moshahid Alam Rizvi**, H. Fouad. (2015). Relief of Oxidative Stress Using Curcumin and Glutathione Functionalized ZnO Nanoparticles. *Journal of Biomedical Nanotechnology*, 1, 1-14. (**Impact Factor: 4.099**).

164. Qureshi MA, Khatoon F, **Moshahid Alam Rizvi**, Zafaryab (2015). M Ethyl acetate Salix alba leaves extract-loaded chitosan-based hydrogel film for wound dressing applications, *Journal Of Biomaterials Science- Polymer Edition*. 26(18):1452-64. (**Impact Factor: 3.517**).
165. Babita Aneja, Mohammad Irfan, Md Imtaiyaz Hassan, Amresh Prakash, Umesh Yadava, Constantin G. Daniliuc, Md Zafaryab, **M. Moshahid A. Rizvi**, Amir Azam, and Mohammad Abid. (2015). Monocyclic  $\beta$ -lactam and unexpected oxazinone formation: Synthesis, crystal structure, docking studies and antibacterial evaluation. *Journal of Enzyme Inhibition and Medicinal Chemistry*. 31(5):834-52. (**Impact Factor: 5.051**).
166. Mir Mohammad Masood, Vijay K. Pillalamarri, Mohammad Irfan, Babita Anea, Mohammad Aman Jairapuri, Md. Zafaryab, **Moshahid Alam Rizvi**, Umesh Yadava, Anthony Addalagatta, Mohammad Abid (2015). Diketo acids and their amino acid/dipeptidic analogues as promising scaffolds for the development of bacterial methionine aminopeptidase inhibitors. *RSC Advances* 5(43):34173-34183. (**Impact Factor: 3.361**).
167. Rehana Qureshi, Himanshu Arora, **Moshahid Alam Rizvi**, (2015). EMT in cervical cancer: its role in tumor progression and response to therapy. *Cancer letters*, 356(2):321-331. (**Impact Factor: 8.679**).

#### RESEARCH ARTICLES 2014

168. Ali, Asgar, Sundeep S. Saluja, Krishnan Hajela, Pramod K. Mishra, and Moshahid A. Rizvi. "Mutational and expressional analyses of PTEN gene in colorectal cancer from Northern India." *Molecular Carcinogenesis* 53, no. S1 (2014): E45-E52. . (**Impact Factor: 5.139**).
169. Irshad, Md, Irfan Ahmad, Syed Jafar Mehdi, Harish Chandra Goel, and M. Moshahid A. Rizvi. "Antioxidant capacity and phenolic content of the aqueous extract of commonly consumed cucurbits." *International Journal of Food Properties* 17, no. 1 (2014): 179-186. (**Impact Factor: 3.30**).
170. Al-Fatlawi, Atheer Abbas, Anees Abbas Al-Fatlawi, Md Irshad, Md Zafaryab, M. Moshahid Alam Rizvi, and Ayaz Ahmad. "Rice bran phytic acid induced apoptosis through regulation of Bcl-2/Bax and p53 genes in HepG2 human hepatocellular carcinoma cells." *Asian Pacific Journal of Cancer Prevention* 15, no. 8 (2014): 3731-3736. (**Impact Factor: 1.6**).
171. Khan, Shahanshah, Jawahar Singh Adhikari, N. K. Chaudhury, and Moshahid Alam Rizvi. "Melatonin attenuates  $\gamma$ -ray-induced hematopoietic and gastrointestinal injury in mice." (2014).
172. Ahmad, Iqbal, Sohail Akhter, Mohammad Zaki Ahmad, Mohd Shamim, Moshahid Alam Rizvi, Roop K. Khar, and Farhan J. Ahmad. "Collagen loaded nano-sized surfactant based dispersion for topical application: formulation development, characterization and safety study." *Pharmaceutical development and technology* 19, no. 4 (2014): 460-467. (**Impact Factor: 3.9**).
173. Al-Fatlawi, ATHEER ABBAS, M. MOSHAHID A. Rizvi, and A. Y. A. Z. Ahmad. "Anticarcinogenic activity of rice bran phytic acid against human breast cancer cell line (MCF-7)." *Asian Journal of Pharmaceutical and Clinical Research* 7, no. 1 (2014): 151-155. . (**Impact Factor: 1.6**).
174. Atheer Abbas Al-Fatlawi, Anees Abbas Al-Fatlawi, Md. Zafaryab, Md. Irshad, Irfan Ahmad, , Ayaz Ahmad, **Moshahid Alam Rizvi\*** (2014). Rhein induced cell death and apoptosis through caspase dependent and associated with modulation of p53, bcl-2/bax ratio in human cell lines. *International Journal of Pharmacy and Pharmaceutical Sciences*. 6(2):515-519. (**Impact Factor: 0.286**).
175. Md. Irshad, Syed Jafar Mehdi, Atheer A. Al-Fatlawi, Md. Zafaryab, Asgar Ali, Irfan Ahmad, Man Singh, **M. Moshahid A. Rizvi\*** (2014). Phytochemical Composition of Cassia fistula Fruit Extracts and its Anticancer Activity Against Human Cancer Cell Lines. *Journal of Biologically Active Products from Nature*. 4(3):158-170. (**Impact Factor: 1.23**).
176. Irfan Ahmad, Md. Zafaryab, Atheer Abbas Al-Fatlawy, Zakia Kazim, Ahmad Parwez and **Moshahid Alam Rizvi**, (2014), Modulation of Growth and Proton Pumping ATPase activity of Probiotic lactobacilli by Dietary cucurbits. *Journal of Protein and Proteomics*, 4(3):217-222. (**Impact Factor: 1.0**).



## RESEARCH ARTICLES 2013

177. Irshad, M. D., Aijaz Ahmad, M. D. Zafaryab, Farah Ahmad, Nikhat Manzoor, Man Singh, and M. Moshahid A. Rizvi. "Composition of Cassia fistula oil and its antifungal activity by disrupting ergosterol biosynthesis." *Natural product communications* 8, no. 2 (2013): 1934578X1300800233. **(Impact Factor:1.8)**.
178. Alyasiri, Nisreen S., Asgar Ali, Zakia Kazim, Sunita Gupta, Ashish K. Mandal, Ishwar Singh, and Moshahid A. Rizvi. "Aberrant promoter methylation of PTEN gene among Indian patients with oral squamous cell carcinoma." *The International Journal of Biological Markers* 28, no. 3 (2013): 298-302. **(Impact Factor:3.24)**.
179. Ahmad, Irfan, Md Zafaryab, Atheer Abbas Al-Ftlawy, Zakia Kazim, Ahmad Perwez, and M. Moshahid A. Rizvi. "Modulation of growth and proton pumping ATPase activity of probiotic Lactobacilli by dietary cucurbits." *Journal of Proteins & Proteomics* 4, no. 3 (2013). **(Impact Factor:3.855)**.
180. Khan, Shahanshah, Moshahid Rizvi, Arun Kumar, Nmita Kalra, Jawahar Adhikari, and Nabo Chaudhury. "Melatonin and sesamol protects spleenocytes against 60 Co  $\gamma$ -irradiation induced damages in male C57BL/6 mice." In *Proceedings of the international conference on radiation biology and clinical applications: a molecular approach towards innovations in applied radiobiology and a workshop on strategies in radiation research*. 2013.
181. Arshad H Rahmani, Mohammad Alzohairy, Ali Yousif Babiker, Amjad A Khan, Salah M Aly, **Moshahid Alam Rizvi**, (2013). Implication of androgen receptor in urinary bladder cancer: a critical mini review, *International Journal of Molecular Epidemiology and Genetics*. 4(3):150-155. **(Impact Factor: 0.00)**.
182. Naveen Bharat, Md. Irshad, **Moshahid Alam Rizvi**, Tasneem Fatima (2013). Antimicrobial and Cytotoxic Activities of Cynobacteria. *International Journal of Innovative Research in Science, Engineering and Technology*, 2(9):4328-4342. **(Impact Factor: 7.569)**.
183. Surendra K. Prajapati, Hema Joshi, Jane M. Carlton, **Moshahid Alam Rizvi**, (2013). Neutral Polymorphisms in Putative Housekeeping Genes and Tandem Repeats Unravels the Population Genetics and Evolutionary History of *Plasmodium vivax* in India. *PLOS Neglected tropicaldisease*, 7(9):1-11. **(Impact Factor: 4.411)**.
184. Priyanka Singh, Mala Chhabra, Veena Mittal, Pankaj Sharma, **Moshahid Alam Rizvi**, Lakhvir Singh Chauhan, Arvind Rai, (2013). Current research and clinical trials for a vaccine against Chikungunya virus. *Vaccine: Development and Therapy*. 3:35-46. **(Impact Factor: 3.028)**.
185. Iqbal Ahmad, Sohail Akhter, Mohammad Zaki Ahmad, Mohd Shamim, **Moshahid Alam Rizvi**, Roop K. Khar, Farhan J. Ahmad (2013). Collagen loaded nano-sized surfactant based dispersion for topical application: formulation development, characterization and safety study. *Pharmaceutical Development and Technology*. 19(4):460-467. **(Impact Factor: 3.133)**.
186. Nisreen S Alyasiri, Asgar Ali, Zakia Kazim, Sunita Gupta, Ashish K Mandal, Ishwar Singh, **Moshahid Alam Rizvi**, (2013). Aberrant promoter methylation of PTEN gene among Indian patients with oral squamous cell carcinoma. *International Journal of Biological Markers*. 28(3):298-302. **(Impact Factor: 2.659)**.
187. Asgar Ali, Sundeep S Saluja, Krishna Hajela, Pramod K Mishra, **Moshahid Alam Rizvi**, (2013). Mutational and expressional analyses of *PTEN* gene in colorectal cancer from northern India *Molecular Carcinogenesis*, 53(1):45-52. **(Impact Factor: 4.784)**.
188. Manoj Kumar Patel, Md. Azahar Ali, Md. Zafaryab, Ved Varun Agrawal, **Moshahid Alam Rizvi**, Z.A. Ansari, S.G. Ansari, Bansi D. Malhotra (2013). Biocompatible nano structure magnesiumoxide-chitosanplatform for genosensing application. *Biosensors and Bioelectronics*. 45:181-188. **(Impact Factor: 10.26)**.
189. Manoj Kumar Patel, Md. Zafaryab, **Moshahid Alam Rizvi**, Ved Varun Agrawal, Z. A. Ansari, Bansi

D. Malhotra, S. G. Ansari (2013). Antibacterial and Cytotoxic effect of Magnesium Oxide nanoparticles on bacterial and human cells. *Journal of Nanoengineering and Nanomanufacturing*. 3(2):162-166. **(Impact Factor: 0.00)**

#### **RESEARCH ARTICLES 2012**

- 190.** Rizvi, M. Moshahid Alam, M. Shabbir Alam, Syed Jafar Mehdi, Asgar Ali, and Swaraj Batra. "Allelic loss of 10q23. 3, the PTEN gene locus in cervical carcinoma from Northern Indian population." *Pathology & Oncology Research* 18 (2012): 309-313. **(Impact Factor: 0.3)**
- 191.** Alam, M. Shabbir, Asgar Ali, Syed Jafar Mehdi, Nisreen Sherif Alyasiri, Zakia Kazim, Swaraj Batra, A. K. Mandal, and M. Moshahid Alam Rizvi. "HPV typing and its relation with apoptosis in cervical carcinoma from Indian population." *Tumor Biology* 33 (2012): 17-22. **(Impact Factor: 0.64)**
- 192.** Singh, P., V. Mittal, M. M. A. Rizvi, M. Chhabra, P. Sharma, D. S. Rawat, D. Bhattacharya, L. S. Chauhan, and A. Rai. "The first dominant co-circulation of both dengue and chikungunya viruses during the post-monsoon period of 2010 in Delhi, India." *Epidemiology & Infection* 140, no. 7 (2012): 1337-1342. **(Impact Factor: 4.2)**
- 193.** Shakri, Ahmad Rushdi, M. Moshahid A. Rizvi, and Chetan E. Chitnis. "Development of quantitative receptor-ligand binding assay for use as a tool to estimate immune responses against Plasmodium vivax Duffy binding protein region II." *Journal of Immunoassay and Immunochemistry* 33, no. 4 (2012): 403-413. **(Impact Factor: 0.33)**
- 194.** Md Irshad, Irfan Ahmad, Syed Jafar Mehdi, Harish Chandra Goel. Moshahid Alam Rizvi, (2012). Antioxidant capacity and Phenolic Content of the Aqueous Extract of Commonly Consumed Cucurbits. *International Journal of Food Properties*. 17(1):179-186.. **(Impact Factor:2.727)**.
- 195.** Arshad Rahmani, Mohammad Alzohairy, Ali Yousif Babiker, **Moshahid Alam Rizvi**, Husain Gad Elkarimahma, (2012). Clinicopathological significance of PTEN and bcl2 expressions in oral squamous cell carcinoma. *International Journal of Clinical and Experimental Pathology*. 5(9):965-971. **(Impact Factor: 1.672)**.
- 196.** Abhijeet Mishra, S. Jafar Mehdi, Md. Irshad, Asgar Ali, Meryam Sardar, **Moshahid Alam Rizvi**, (2012). Effect of Biologically Synthesize Silver Nanoparticles on Human Cancer Cells. *Science of Advanced Materials*. 4:1–7. **(Impact Factor: 1.474)**.
- 197.** Md. Irshad, Md. Zafaryab, Man Singh, and **Moshahid Alam Rizvi**, (2012). Comparative Analysis of the Antioxidant Activity of Cassia fistula Extracts. *International Journal of Medicinal Chemistry*. 2012:1-6. **(Impact Factor: 0.00)**.
- 198.** Priyanka Singh, Veena Mittal, **Moshahid Alam Rizvi**,, Dipesh Bhattacharya, Mala Chhabra, Devendra S. Rawat, Rattan L. Ichhpujani, Lakhvir S. Chauhan, Arvind Rai, (2012). Northward movement of East Central South African Genotype of Chikungunya virus causing an epidemic between 2006-2010 in India. *The Journal of Infection in Developing Countries*. 6(7):563-71. **(Impact Factor: 1.353)**.
- 199.** Ahmad Rushdi Shakri, **Moshahid Alam Rizvi**, Chetan E. Chitnis, (2012). Development of a quantitative receptor-ligand binding assay for use as a tool to estimate immune responses against Plasmodium vivax Duffy binding protein Region II. *Journal of Immunoassay and Immunochemistry*. 33(4):403-413. **(Impact Factor: 0.873)**.
- 200.** Arshad Rahmani , Mohammad Alzohairy, Habeeb Khadr, **M. Moshahid A. Rizvi**, Ashish Mandal, (2011). Immunohistochemical Detection of Estrogen Receptor and Progesterone Receptor in Urinary Bladder Carcinoma Patients. *International Journal of Current Pharmaceutical Research*. 1(3):109 - 112. **(Impact Factor: 4.70)**.
- 201.** Arshad Rahmani, Mohammad Alzohairy, Habeeb Khadri, Ashish K Mandal, **Moshahid Alam Rizvi**, (2012). Expressional evaluation of Endothelial Growth Factor (VEGF) protein in urinary bladder carcinoma patients exposed to cigarette smoke. *International Journal of Clinical and Experimental Pathology*. 5(3):195-202. **(Impact Factor: 1.672)**.

202. Nisreen Sherif Alyasiri, Syed Jafar Mehdi, M. Shabbir Alam, Asgar Ali, Ashish K Mandal, Sunita Gupta, Ishwar Singh, **Moshahid Alam Rizvi**, (2012). *PTEN* mediated AKT activation contributes to the reduced apoptosis among Indian oral squamous cell carcinoma patients. *Journal of Cancer Research and Clinical oncology*, 138(1):103-109. **(Impact Factor: 4.553)**.

#### RESEARCH ARTICLES 2011

203. Mehdi, Syed Jafar, Asgar Ali, and M. Moshahid Alam Rizvi. "Parkin gene alterations in ovarian carcinoma from northern Indian population." *Pathology & Oncology Research* 17 (2011): 579-586. **(Impact Factor: 0.3)**
204. Rahmani, Arshad; Alzohairy, Mohammad; Rahmani, Arshad, Mohammad Alzohairy, I. Habeeb Khadr, Moshahid A. Rizvi, and Ashish Mandal. "Immunohistochemical Detection of Estrogen Receptor and Progesterone Receptor in Urinary Bladder Carcinoma Patients." *Int J Cur Biomed Phar Res* 1, no. 3 (2011): 109-112. **(Impact Factor: 6.858)**
205. Kumar, Birendra, P. R. Yadav, and M. A. Rizvi. "The tumor suppressor gene *PTEN/MMAC1* signaling in brain tumors." *Biochem. Cell. Arch* 11, no. 1 (2011): 1-18. **(Impact Factor: 0.17)**
206. Kumar, Birendra, P. R. Yadav, A. K. Mandal, and M. A. Rizvi. "Promoter methylation and *PTEN* gene silencing in Cervical Squamous Cell Carcinoma from north Indian population." *Biochem. Cell. Arch* 11, no. 1 (2011): 33-39. **(Impact Factor: 0.17)**
207. P. Singh, V. Mittal, M. Moshahid Alam Rizvi, M. Chhabra, P. Sharma, D.S. Rawat, D. Bhattacharya, L.S. Chauhan, A. Rai, (2011). The first dominant co-circulation of both dengue and chikungunya viruses during the post-monsoon period of 2010 in Delhi, India. *Epidemiology and Infection*. 140(7):1337-1342. **(Impact Factor: 2.451)**.
208. Surendra K Prajapati, Hema Joshi, Snehalini, Manuel A Patarroya, Rossarin Suwanarusk, Ashwani Kumar, Surya K Sharma, Alex Eapen, Vas Dev, Rajendra M Bhatt, Neena Valecha, Francois Nosten, **Moshahid Alam Rizvi**, Aditya P Dash, (2011). Plasmodium vivax lineages: Geographical distribution, tandem repeat polymorphism, phylogenetic relationship. *Malaria Journal*. 10(1):374. **(Impact Factor: 2.979)**.
209. Arshad Rahmani, Mohammad Alzohairy, A. K. Mandal, **Moshahid Alam Rizvi**, (2011). Expressional Evaluation of Androgen Receptor in Transitional Cell Carcinoma of Urinary Bladder Patients. *British Journal of Medicine & Medical Research*. 1(4):233-238. **(Impact Factor: Awaiting)**.
210. Arshad Rahmani, Mohammad Alzohairy, Habib Khadri, **Moshahid Alam Rizvi**, Ashish Mandal (2011). Paraffin Section of Sputum Block: Description of a New Method for Pathological and Molecular Study. *British Journal of Medicine & Medical Research*. 1(3):141-145. **(Impact Factor: 00)**.
211. M. Shabbir Alam, Asgar Ali, Syed Jafar Mehdi, Nisreen Sherif Alyasiri, Zakia Kazim, Swaraj Batra, K. Mandal, **Moshahid Alam Rizvi**, (2011). *HPV* Typing and its relation with Apoptosis in Cervical Carcinoma from Indian population. *Tumor Biology*, 33(1):17-22. **(Impact Factor: 4.248)**
212. **Moshahid Alam Rizvi**, M. Shabbir Alam, Asgar Ali, Syed Jafar Mehdi, Swaraj Batra, AK Mandal, (2011). Aberrant promoter methylation and inactivation of *PTEN* gene in cervical carcinoma from northern Indian population. *Journal of Cancer Research and Clinical oncology*. 137(8):1255-1262. **(Impact Factor: 4.553)**.
213. **Moshahid Alam Rizvi**, M. Shabbir Alam, Syed Jafar Mehdi, Asgar Ali, Swaraj Batra, (2011). Allelic loss at 10q23.3, the *PTEN* gene locus in cervical carcinoma from northern Indian population. *Pathology and Oncology Research*. 8(2):309-313. **(Impact Factor: 2.826)**
214. Feroz Akhtar, **Moshahid Alam Rizvi**, S.K. Kar, (2012). Oral delivery of curcumin bound to chitosan nanoparticles cured *Plasmodium yoelii* infected mice. *Biotechnology Advances*. 30(1):310-20. **(Impact Factor: 14.227)**.
215. Md Irshad, Sheikh Sheraz, Nikhat Manzoor, Luqman A. Khan, **Moshahid Alam Rizvi**, (2011). Anticandidal activity of *Cassia fistula* and its effect on ergosterol biosynthesis. *Pharmaceutical Biology*. 49(7):727-733. **(Impact Factor: 3.503)**.

216. Irfan Ahmad, M. Irshad, **Moshahid Alam Rizvi**, (2011). Nutritional and Medicinal Potential of *Lagenaria siceraria*. *International Journal of Vegetable Science*. 17(2):157-170. **(Impact Factor: 0.94)**.
217. Mehdi SJ, Ahmad A, Irshad M, Manzoor N, **Moshahid Alam Rizvi\*** (2011). Cytotoxic effect of Carvacrol on human cervical cancer cells. *Biology and Medicine*. 3(2):307-312. **(Impact Factor: 0.140)**.

#### RESEARCH ARTICLES 2010

218. Irshad, M., Irfan Ahmad, H. C. Goel, and **M. Moshahid A. Rizvi**. "High Performance TLC Analysis of Some Cucurbits." (2010).
219. Syed Jafar Mehdi, Asgar Ali, **Moshahid Alam Rizvi\*** (2010). Parkin Gene Alterations in Ovarian Carcinoma from Northern Indian population. *Pathology & Oncology Research*. 17(3):579-586. **(Impact Factor: 3.201)**.
220. Syed Jafar Mehdi, M. Shabbir Alam, Swaraj Batra, **Moshahid Alam Rizvi**, (2010). Allelic loss at 6q25-27, the Parkin tumor suppressor gene locus in cervical carcinoma. *Medical Oncology*. 28:1520-1526. **(Impact Factor: 3.064)**.
221. M. Irshad. Irfan Ahmad, H.C.Goel, **Moshahid Alam Rizvi**, (2010). Phytochemical screening and High Performance TLC Analysis of some Cucurbits. *Research Journal of Phytochemistry*. 4(4):242-247. **(Impact Factor: 0.667)**.
222. M. Irshad, Man Singh, **Moshahid Alam Rizvi**, (2010). Assessment of Anthelmintic activity of *Cassia fistula* L. Middle East. *Journal of Scientific Research*. 5(5):346-349. **(Impact Factor: 4.003)**.

#### RESEARCH ARTICLES 2009

223. Kumar, Birendra, P. R. Yadav, H. C. Goel, and **M. Rizvi**. "RECENT DEVELOPMENTS IN CANCER THERAPY BY THE USE OF NANOTECHNOLOGY." *Digest Journal of Nanomaterials & Biostructures (DJNB)* 4, no. 1 (2009). **(Impact Factor: 0.899)**.
224. Rehman, S., Sameer, A.S., Zahoor, L., Abdullah, S., Shah, Z.A., Afroze, D., Hussain, I., Shaffi, S.M., Syeed, N., Rizvi, M.A. and Siddiqi, M.A., 2009. Distinct pattern of mutations of conserved regions of TP53 in colorectal cancer patients in the Kashmir population: an emerging high-risk area. *ecancermedicalscience*, 3.
225. Md. Zeyaulah, Razi Ahmad, Asma Naseem, Badrul Islam, Hamad M.I. Hasan, Azza S. Abdelkafe, Faheem A. Benkhayal, **Moshahid Alam Rizvi**, (2009). Catechol Biodegradation by *Pseudomonas* Strain: A critical analysis. *International Journal of Chemical Sciences*. 7(3):2211- 2221. **(Impact Factor: 1.406)**.
226. Sonia Tyagi, Lakshman Singh, M. Memita Devi, H.C. Goel, **Moshahid Alam Rizvi**, (2009). Augmentation of Antioxidant defensesystem of *Tinospora cordifolia*: Implications in radiation protection. *Journal of Complementary and Integrative Medicine*. 6(1):1-14. **(Impact Factor: 1.257)**.
227. **Moshahid Alam Rizvi**, Irshad M., Gamal El Hassadi and Salaem Ben Younis, (2009). Bioefficacies of *Cassia fistula*: An Indian labrum. *African Journal of Pharmacy and Pharmacology*. 3(6):287-292. **(Impact Factor: 0.688)**.
228. Md. Zeyaulah, Majid R. Kamli, Badrul Islam, Mohammed Atif, Faheem A Benkhayal, M. Nehal, **Moshahid Alam Rizvi**, Arif Ali, (2009). Metagenomics - An advanced approach for non-cultivable micro-organisms. *Biotechnology and Molecular Biology Reviews*. 4(3):049-054. **(Impact Factor: 2.022)**.
229. Awasthi S, Irshad M, Das MK, Ganti SS, **Moshahid Alam Rizvi**, (2009). Anti-inflammatory activity of *Calotropis gigantean* and *Tridax procumbens* on Carrageenin- induced paw edema in rats. *Ethnobotanical Leaflets*. 13:568-577. **(Impact Factor: 0)**.
230. Birendra Kumar, PR Yadav, HC Goel, **Moshahid Alam Rizvi**, (2009). Recent Developments in Cancer Therapy by the use of Nanotechnology. *Digest Journal of Nanomaterials and Biostructures*.

4:1-12. (**Impact Factor: 0.785**).

231. S. Rehman, A. S. Sameer, L. Zahoor, S. Abdullah, Z. A. Shah, D. Afroze, I. Hussain<sup>1</sup>, S. M. Shaffi, N. Syeed, **Moshahid Alam Rizvi**, M. A. Siddiqi, (2009). Distinct pattern of mutations of conserved regions of TP53 in colorectal patients in the Kashmiri population: An emerging high risk Area. *Ecancer medical science*. (**Impact Factor: 1.761**).

#### RESEARCH ARTICLES 2008

232. Rizvi, M., N. Alyasiri, M. Alam, and A. Mandal. "Expression of PTEN gene in oral cancer patients in India." In ANNALS OF ONCOLOGY, vol. 19, pp. 61-61. GREAT CLARENDON ST, OXFORD OX2 6DP, ENGLAND: OXFORD UNIV PRESS, 2008.
233. Goel H. C., Singh L., Tyagi S., **Moshahid Alam Rizvi**, (2008). Tinospora cordifolia Protects Mouse Peritoneal Macrophages from LPS-Induced Death. *Journal of Complementary and Integrative Medicine*. 25:1-18. (**Impact Factor: 1.257**).
234. M. Irshad, **Moshahid Alam Rizvi**, Man Singh, (2008). Magnetotherapy: Changes in the Nature of Biomolecules under a Constant Magnetic Field. *Journal of Complementary and Integrative Medicine*. 5(1):1-11. (**Impact Factor: 1.257**).
235. Krishan Kumar, Ankita Singal, **Moshahid Alam Rizvi**, Virander S. Chauhan, (2008). High mobility group box (HMGB) proteins of *Plasmodium falciparum*: DNA binding proteins with pro-inflammatory activity. *Parasitology international*. 57:150-157. (**Impact Factor: 1.866**).
236. Naveen Kumar Nandan, Saima Wajid, Shilpie Biswas, Sominder Singh Juneja, **Moshahid Alam Rizvi**, Raminder Prakash, Samar Husain Naqvi (2008). Allelic variation in 5,10-Methylenetetrahydrofolate Reductase Gene and Susceptibility to Cervical Cancer in Indian Women. *Drug Metabolism Letter*. 2:18-22. (**Impact Factor: 1.212**).

#### RESEARCH ARTICLES 2007

237. Prajapati, S. K., H. Joshi, N. Valecha, A. M. Reetha, A. Eapen, A. Kumar, M. K. Das, R. S. Yadav, M. A. Rizvi, and A. P. Dash. "Allelic polymorphism in the Plasmodium vivax dihydrofolate reductase gene among Indian field isolates." *Clinical microbiology and infection* 13, no. 3 (2007): 331-334. **Impact factor 14.2**
238. Lakshman S, Sonia T, Moshahid Alam Rizvi, HC Goel, (2007). Effect of Tinospora cordifolia on gamma ray induced perturbations in macrophages & Splenocytes. *Journal of Radiation Research*. 45:305-315. (**Impact Factor: 1.95**).
239. Sreehari U, Razdan RK, Mittal PK, Ansari MA, **Moshahid Alam Rizvi**, Dash AP, (2007). Efficacy of PermanetR 2.0 against anopheles culicifacies and anopheles stephensi, Malaria vector in India. *Journal of the American Mosquito Control Association*. 23(2):220-224. (**Impact Factor: 0.86**).
240. Sreehari U, Mittal PK, Razdan RK, Ansari MA, **Moshahid Alam Rizvi**, Dash AP, (2007). Impact of Olyset<sup>R</sup> Net on malaria transmission in India. *Journal of Vector Borne Diseases*. 44(2):137-143. (**Impact Factor: 2.133**).

#### RESEARCH ARTICLES 2006

241. Rani, Rekha, R. S. Murthy, Sudha Bhattacharya, Vineet Ahuja, M. A. Rizvi, and Jaishree Paul. "Changes in bacterial profile during amebiasis: demonstration of anaerobic bacteria in ALA pus samples." *American Journal of Tropical Medicine & Hygiene* 75, no. 5 (2006): 880-885. **impact factor 3.707**
242. Ahuja, Vineet, R. S. Murthy, Rekha Rani, Jaishree Paul, M. A. Rizvi, Kaushal Madan, Sandeep Thareja, and Sudha Bhattacharya. "High prevalence of superinfection with anaerobic bacteria in un-intervened amebic liver abscess: a prospective study." In JOURNAL OF GASTROENTEROLOGY AND HEPATOLOGY, vol. 21, pp. A463-A463. 9600 GARSINGTON RD, OXFORD OX4 2DQ, OXON, ENGLAND: BLACKWELL PUBLISHING, 2006. **impact factor 4.1**

243. Rekha Rani, **Moshahid Alam Rizvi**, and Jaishree Paul, (2006). Designing and validation of genus-

specific primers for human gut flora study. *E Journal of Biotechnology*, 9(5):1-7. (**Impact Factor: 2.69**).

244. Surendra K. Prajapati, Anju Verma, Tridibes Adak, Rajpal S. Yadav, Ashwini Kumar, Alex Eapen, Manoj K. Das, Neeru Singh, Surya K. Sharma, **Moshahid Alam Rizvi**, Aditya P. Dash, Hema Joshi, (2006). Allelic dimorphism of *Plasmodium vivax* gam-1 in the Indian sub-continent. *Malaria Journal*. 5(1):90. (**Impact Factor: 2.631**).
245. Syed Shams Yazdani, Ahmad Rushdi Shakri, Priyabrata Pattnaik, M. **Moshahid Alam Rizvi**, Chetan E. Chitnis, (2006). Improvement in yield and purity of a recombinant malaria vaccine candidate based on the receptor-binding domain of *Plasmodium vivax* Duffy binding protein by codon optimization. *Biotechnology Letters*. 28(14):1109-1114. (**Impact Factor: 1.977**).
246. Sadraei J, **Moshahid Alam Rizvi**, Faghihzadeh S, Baveja UK, (2006). Cryptosporidium, The Etiologic Parasite Cause Of Diarrhea In The Hiv-Infected Patients With Cd<200 Cell/Mm<sup>3</sup> (In Delhi. India). *Daneshvar Medicine*. 14(65):33-38. (**Impact Factor: 0**).

#### RESEARCH ARTICLES 2005

247. Iqbal, K., M. A. Dar, N. A. Trambo, N. Firdous, B. A. Naikoo, K. Mohiuddin, S. Mir, S. M. Ali, A. A. Lone, and **M. Rizvi**. "Treatment of Pregnancy Induced Hypertension With Intravenous Nitroglycerine: A Randomized, Double Blind Placebo Controlled Study." *Journal of the American College of Cardiology* 45 (2005). Impact factor 24.0
248. Javid Sadraei, **Moshahid Alam Rizvi**, D.chattopadhyaya & Usha K. Baveja, (2005). Diarrhea, CD4+ Cell counts and opportunistic protozoans in Indian HIV- infected patients. *Parasitology Research*. 97(4):1422-1427. (Impact Factor: 1.641).

#### RESEARCH ARTICLES 2004

249. Tyagi, Sonia, L. Singh, R. Kumar, R. K. Sharma, S. C. Puri, and **M. A. Rizvi**. "Effect of a fractionated extract of *Podophyllum hexandrum* on radiation-induced cellular damage." *Indian Journal of Radiation Research* 1 (2004). **Impact factor 1.6**
250. Singh, Lakshman, S. Tyagi, R. Kumar, R. K. Sharma, A. K. Sinha, and **M. A. Rizvi**. "Effects of *Tinospora cordifolia* on macrophage function: a possible role in radioprotection." *Indian Journal of Radiation Research* 1, no. 2 (2004): 45. **Impact factor 1.6**
251. **Moshahid Alam Rizvi**, Alok Sharma, S.K. Puri, G.P. Dutta, (2004). Tissue Schizonto cidal efficacy of novel anti malarial compound against *P.yoelii Nigeriensis*. *Proceedings of the National Academy of Sciences India*, 74:1-8. (**Impact Factor: 1.254**).

#### RESEARCH ARTICLES 2003

252. Alok Suman Sharma and **Moshahid Alam Rizvi**, (2003). Pharmacokinetics and Toxicity of Standard Antimalarial Agents, *Journal Natcon*, 15:297-313. (**Impact Factor: 0**).

#### RESEARCH ARTICLES 2002

253. **Moshahid Alam Rizvi** and Alok S. Sharma, (2002). Assessment of Antimalarial Chemotherapeutic Agents and Human Malaria. *Journal of Experimental Zoology India*. 5:269-280.(Impact Factor: 2.553).
254. Rizvi, M., and S. Kumar. "SUSCEPTIBILITY OF alpha-HAEMOLYTIC ESCHERICHIA COLI TO INTRACELLULAR KILLING IN POLYMORPHONUCLEAR LEUCOCYTES." *INDIAN JOURNAL OF PATHOLOGY AND MICROBIOLOGY* 45, no. 4 (2002): 429-432.(Impact Factor: 0.773).

#### RESEARCH ARTICLES 2001

255. Ritu and **Moshahid Alam Rizvi**, (2001). Chemotherapy, a potential control measure in human

malaria. *Journal Natcon*. 13:245-255. (Impact Factor: 0).

#### **RESEARCH ARTICLES 2002**

256. Munim, S., M. H. Rahbar, **M. Rizvi**, and N. Mushtaq. "The effect of grandmultiparity on pregnancy related complications: the Aga Khan University experience." *Journal of Pakistan Medical Association* 50, no. 2 (2000): 54.

#### **RESEARCH ARTICLES 1999**

257. **Moshahid Alam Rizvi** and G.P. Dutta, (1999). Sporogonic Development of Plasmodia: Under Electron Microscope. *Journal of Experimental Zoology India*. 2:11-19 (**Impact Factor: 2.553**).
258. Pant AB, **Moshahid Alam Rizvi**, (1999). Purification of Heat Stable Enterotoxin of Escherichia coli: A Toxioid Antidiarrheal Vaccine. *Journal Natcon*. 11(72):83-89. (**Impact Factor: 0**).

#### **RESEARCH ARTICLES 1998**

259. Pant AB, **Moshahid Alam Rizvi**, (1998). Elimination of Quinoline Antibiotics Carryover by use of Antibiotic Removal Beads". *Journal of Basic and Applied Sciences*. 6(73):15-18. (**Impact Factor: 0**).

#### **RESEARCH ARTICLES 1997**

260. **Moshahid Alam Rizvi**, Aseem, Umesh, S.K. Puri, J.P. Singh and G.P. Dutta, (1997). Efficacy of a novel Interferon inducer on blood stage multi drug resistance rodent malaria parasite Plasmodium yoelii. *Journal of Basic and Applied Sciences*. 5(74):5-11. (**Impact Factor: 0**).
261. Pant AB and **Moshahid Alam Rizvi**, (1997). Colonization factor Antigen I and Enterotoxin production among somatic antigen groups of Escherichia coli strains. *Journal Natcon*, 9(75):251-256. (**Impact Factor: 0**).
262. **Moshahid Alam Rizvi**, Mohd. Afzal, (1997). Expression of Polygenic Traits among school going children of Aligarh, India. *Journal Natcon*. 9:115-121. (**Impact Factor: 0**).

#### **RESEARCH ARTICLES 1995**

263. **Moshahid Alam Rizvi**, S.K. Puri, R.K. Mishra & G.P. Dutta, (1995). Antimalarial Spectrum of 6-MFA an Interferon inducer against rodent malaria parasite. *Journal Parasitic Disease*. 19:97. (**Impact Factor: 0.653**).

### **PRESENTATIONS/ABSTRACTS**

1. Bhat ZI, Imtiyaz K, **Rizvi MA**. Interplay of Parkin, a tumor suppressor in metabolic deregulation of cancer. *Cancer Res* 2019; 79:5302-5302. (**Impact Factor: 12.701**).
2. Singh L, Singh MK, Pushker N, Bakhshi S, **Rizvi MA**, Sen S, Kashyap S\*. 1191P Immune checkpoints and T-lymphocytes as immunotherapeutic target in the treatment of sebaceous gland carcinoma. *Annals of Oncology*. 2018 Oct 1;29 (suppl\_8):mdy288-064. (**Impact Factor: 32.976**)
3. Hafeez ZB, Fakhri KU, Iqbal Z, **Rizvi MA\***. 5P PARK2 deficiency promotes cervical tumorigenesis by deregulation in cyclin activity via P53 dependent pathway. *Annals of Oncology*.

2017 Nov 1;28(suppl\_10):mdx652-004. (**Impact Factor: 32.976**)

4. Mohammad A, Hasan P, Pillalamarry V, Irfan M, Perwez A, Ahmad B, Yadava U, Rizvi M, Daniliuc C, Maguire R, **Rizvi MA**, Kavanagh K, Abid M\*. Diketo acids and their hybrid bioisoster derivatives as bacterial biofilm and Methionine Aminopeptidase (MetAP) inhibitors. *American Chemical Society*, 2017 Apr 2 (Vol. 253). 1155. (**Impact Factor: 15.42**)

5. Singh L, Kashyap S, Sen S, **Rizvi MA\***. Expression Pattern of Immune Checkpoints PD-1 and PD-L1 in Retinoblastoma and ITS Prognostic Significance. In *pediatric blood & cancer* 2017 Nov 1 (Vol. 64, pp. S278-S278). 111 RIVER ST, HOBOKEN 07030-5774, NJ USA: WILEY. (**Impact Factor: 3.167**).

6. Singh L, Kashyap S, Pushker N, Bakhshi S, Sen S, Rizvi MA\*. Expression pattern of immune checkpoints programmed death (PD-1) and programmed death-ligand (PD-L1) in retinoblastoma and its prognostic significance. *Annals of Oncology*. 2017 Dec 1;28,711-17. (**Impact Factor: 32.976**)

7. Md. Zafaryab, Syed Hassan Mehdi, Md. Asad Khan, Irfan Ahmad, Zubair Bin Hafeez, Khalid Umar Fakhri, Krishnan Hejela, **M. Moshahid A. Rizvi**. In vitro Apoptotic Potential of Palmitic Acid on Human Cancer Cells. *Emerging Trends in Biomedical Sciences*” (ETBS-2016) held on March 6-8, 2016 at Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh, 202002 (UP).

8. Durdana Yasin, **Moshahid Alam Rizvi**, Tasneem Fatima. Effect of Nostoc Muscorum Nccu- 442 and Calothrix Brevissima nccu-65 extract against Hepatocellular Carcinoma. *Emerging Trends in Biomedical Sciences*” (ETBS-2016) held on March 6-8, 2016 at Department of Biochemistry, Faculty of Life Sciences, Aligarh Muslim University, Aligarh 202002 (UP).

9. **Moshahid Alam Rizvi**, Shahanshah Khan, Jawahar Singh Adhikari, Nabo Kumar Chaudhury. Sesamol provides protection from  $\gamma$ -rays-induced injury in murine model. Invited talk delivered at the International Conference on Biotechnological Advancements in Free Radical Biology and Medicine, Lucknow, INDIA, November, 2015.

10. **Moshahid Alam Rizvi**, Shahanshah Khan, Jawahar Singh Adhikari, Nabo Kumar Chaudhury. Sesamol attenuates  $^{60}\text{Co}$   $\gamma$ -ray-induced immunological injuries in murine model. Invited talk delivered at the 42nd Annual Conference of Indian Immunology Society, Patna, INDIA, October, 2015.

11. Shahanshah Khan, Jawahar Singh Adhikari, **Moshahid Alam Rizvi** and Nabo Kumar Chaudhury. Melatonin attenuates  $\gamma$ -ray-induced hematopoietic and gastrointestinal injury in mice. Poster presentation delivered (Best Poster Presentation Award) at the Indian Society for Radiation Biology meeting, International Conference on Radiation Biology, Delhi, INDIA, November, 2014.

12. Shahanshah Khan, Akanchha Mani Tripathi, Sandeep Chaudhary, Jawahar Singh Adhikari,



**Moshahid Alam Rizvi** and Nabo Kumar Chaudhury. Toxicity evaluation of melatonin and sesamol using serum biochemical and histopathological changes in female mice. Poster presentation delivered at the Indian Society for Radiation Biology meeting, International Conference on Radiation Biology, Delhi, INDIA, November, 2014.

13. Shahanshah Khan, **M. Moshahid Alam Rizvi**, Arun Kumar, Namita Kalra, Jawahar Singh Adhikari and Nabo Kumar Chaudhury. Melatonin and sesamol protects spleenocytes against 60Co  $\gamma$ -irradiation induced damages in male C57BL/6 mice. Poster presentation delivered at the Indian Society for Radiation Biology meeting, International Conference on Radiation Biology, Deralakatte, Mangalore, INDIA, October, 2013.

**14. M. Moshahid Alam Rizvi**, Asgar Ali, Syed Jafar Mehdi, Pramod Kumar Mishra, Sundeep Singh Saluja (2013). Association of epigenetic alteration in PTEN gene with colorectal cancer progression among Indian population. *International Journal of Colorectal Disease*. 28:283-284. (**Impact Factor: 3.080**).

15. Shahanshah Khan, Arun Kumar, Arshad Reza, **Moshahid Alam Rizvi**, Nabo Kumar Chaudhury and Jawahar Singh Adhikari. Evaluation of radioprotective efficacy of melatonin and sesamol in gastrointestinal tract and testes of male C57BL/6 mice irradiated at sub-lethal radiation dose. Poster presentation delivered at the International Conference on Advance in Free Radicals, Redox Signaling and Translational Antioxidant Research & XII Annual Meeting for Free Radical Research, Lucknow, INDIA, January, 2013.

16. Shahanshah Khan, Jawahar Singh Adhikari, Arshad Reza, **Moshahid Alam Rizvi** and Nabo Kumar Chaudhury. Radioprotective effects of melatonin in gastrointestinal tract, bone marrow and spleen of lethally  $\gamma$ -irradiated male C57BL/6 mice. Poster presentation delivered at the 8th National Research Scholars Meet in Life Sciences, Mumbai, INDIA, December 2012.

17. Asgar Ali, M. Shabbir Alam, **M. Moshahid A. Rizvi**. Immunohistochemical studies and epigenetic evaluation of PTEN gene among cervical cancer patients. International Conference on Recent Advances in Cancer Research: Bench to Bedside. February, 19 and 20, 2011. School of Life Sciences, Central University of Gujarat, Gandhinagar, Gujarat.

18. S. Jafar Mehdi, M. Irshad, Asgar Ali, **M. Moshahid A. Rizvi**. Allelic loss of 6q25-27, the PARKIN gene locus in ovarian carcinoma. Abstract selected for oral presentation in MAASCON-1, First Annual National Symposium of the Muslim Association for the Advancement of Science (MAAS), Frontiers in Life sciences: Basic and Applied; 23-24 October 2010, Department of Zoology, Aligarh Muslim University, India.

19. **M. Moshahid A. Rizvi**, M. Shabbir Alam, Md. Zeyauallah, Arshad H Rehmani, S. Jafar Mehdi, A.K. Mandal, S. Batra. Mutational Analysis of *PTEN* gene in the carcinoma of uterine cervix. First International Pharmaceutical Science Conference, 22-24 December, 2009, Faculty of Pharmacy,

Omar El- Mukhtar University, El-Beida, Libya.

20. Md. Zeyaulah, Azza S Abdelkafe, Kawthar I Elgindy, Hamad MI Hasan, **M. Moshahid A. Rizvi**, Arif Ali. Biodegradation of Catechols by *Pseudomonas* Strain: A critical review. First International Pharmaceutical Science Conference, 22-24 December 2009, Faculty of Pharmacy, Omar El- Mukhtar University, El-Beida, Libya.

21. S. Jafar Mehdi, M. Irshad, **M. Moshahid A. Rizvi**. Antiproliferative effect of cassia fistula on U87 MG Cells. International Symposium on Cancer Chemoprevention and Translational Research, 21<sup>st</sup> December 2009, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India.

22. S. Jafar Mehdi, M. Irshad, M. Sabbir Alam, **M. Moshahid A. Rizvi**. Allelic loss of 6q<sup>25-27</sup>, the PARKIN tumor suppressor gene locus, in cervical carcinoma from northern Indian population, International Conference on Frontiers in Prevention, Diagnosis and Therapy of Cancer, 21<sup>st</sup>-22<sup>nd</sup> November 2009, Department of pathology, Motilal Nehru Medical college, Allahabad, India.

23. S. Jafar Mehdi, M. Irshad, **M. Moshahid A. Rizvi**. Antiproliferative effect of cassia fistula on HeLa Cells. Interface between Chemistry and Biology, 8<sup>th</sup> October 2009, CIRBSc, Jamia Millia Islamia, New Delhi, India.

24. Surendra K Prajapati, Joshi H, Kang'a S, Carlton JM, **M. Moshahid A. Rizvi**, Dash AP. A Panel of genetic markers unfold genetic relatedness and evolutionary histories of *Plasmodium vivax* lineages, Old world and New world. ASTMH 57<sup>th</sup> annual meeting held in New Orleans, Louisiana, USA at 7<sup>th</sup>-11<sup>th</sup> Dec 2008.

25. Surendra K Prajapati, Eapen A, Bhatt R M, Singh N, Adak T, Yadav R S, Dev V, Rizvi M A, **M. Moshahid A. Rizvi** Dash A P and Joshi H. Minisatellites: A useful marker for population genetic studies of *Plasmodium vivax* in India. 9<sup>th</sup> International Symposium on Vectors and vector borne diseases, organized by National Institute of Malaria Research, held in Puri, India (14-18 February 2008).

26. **Moshahid A. Rizvi**; "Cancer Genetics and The Carcinoma of Cervix" (presented in the Emerging trends in Biological sciences conference held on Feb. 13-14, 2008).

27. Surendra K Prajapati, Ramie H. Begum, **Moshahid A Rizvi**, Dash AP, Joshi Hema. Towards *Plasmodium vivax* antigenic genes HapMap of Indian isolates. ASTMH (American Society for Tropical Medicine and Hygiene) 56<sup>th</sup> Annual meeting held in Philadelphia USA (3-8 November 2007).

28. Prajapati SK, Joshi Hema Verma Anju, Valecha, Neena, Eapen Alex, Kumar A, Das MK, Reetha AM, **Moshahid Alam Rizvi** (2007). Allelic polymorphism in the Plasmodium vivax dihydrofolate reductase (pvdhfr) gene among Indian field isolates. *Clinical Microbiology and Infection*. 13(3):331-34. **(Impact Factor: 7.117)**.

29. Surendra K Prajapati, Joshi Hema, **Moshahid A Rizvi**, Yadav RS, Eapen Alex, Dash AP, Carlton

JM. Comparison of genetic diversity and population structure of *Plasmodium vivax* between India and South East Asia using the *Apical Membrane Antigen-1* gene. Microbiology and Parasitology Retreat at Cold Spring Harbor Laboratory New York, USA (6-7 November 2006).

**30.** Rekha R, R S Murthy, Sudha Bhattacharya, Vineet Ahuja **Moshahid Alam Rizvi** and Jaishree Paul (2006). Changes in bacterial profile during amoebiasis: A demonstration of anaerobic bacteria in ALA pus samples. *The American Journal of Tropical Medicine and Hygiene*. 75(5):76-76. **(Impact Factor: 2.126).**

31. Sharma SA, Aruna S, Bhupendra N, Praveen AK, Neena V and **Moshahid A Rizvi**; Antimalarial evaluation of certain novel herbal extracts against rodent malaria parasites (presented in international conference on malaria Nov 4-6, (2006).

32. **Moshahid A Rizvi**, Sharma AS, Khan LA, Nagpal BN and Valecha Biochemical evaluation of host serum in rodent malaria infection and treatment with Caesalpinia bundec extract (Presented in International conference on Malaria Nov 4-6, (2006).

33. Khan M, Sohail, Kaul A, **Moshahid A. Rizvi**. And Adak T. Glutathione-s-transferase: Novel target for drug development and antioxidant status of vivax malaria in Indian population. (Presented in International conference on Malaria Nov 4-6, (2006).

34. Surendra K Prajapati, **Moshahid A Rizvi**, Joshi H. Impact of S/P (Sulfadoxine-Pyrimethamine) over Plasmodium vivax populations in Indian subcontinent. International conference on Malaria, organized by National Institute of Malaria Research, Delhi, India (4-6 November 2005).

35. Surender Prajapati, Hema Joshi, **Moshahid A Rizvi**. Point mutation in dihydrofolate reductase gene of *P. vivax*; Evidence for emerging drug resistant *P. vivax* genotype in India. Abstract Published in VII International symposium on vector and vector born diseases, held at Panjab University, Patiala. On 18- 20<sup>th</sup> Feb 2005).

36. Rahmani A, Singh S, Mehta AK, Azam S, Alam MS, **Moshahid A. Rizvi**, Mandal AK Effect of cotton fiber dust on workers in textile stitching industry, Paper presented at *International symposium on Better Air Quality*, Agra, December, (2004).

**37.** Sonia Tyagi, L. Singh, SC. Puri, R Kumar , RK. Sharma, **Moshahid Alam Rizvi\*** (2004). Effect of fractionated extract of Podophyllum hexandrum on radiation induced cellular damage. *Indian Journal of Radiation Research*. 1(2):40. **(Impact Factor: 0).**

**38.** Lakshman Singh, S. Tyagi, R. Kumar, R. K. Sharma, A. K. Sinha, **Moshahid Alam Rizvi\*** (2004). Effect of Tinospora cordifolia on macrophage function: a possible role in radioprotection. *Indian Journal of Radiation Research*. 1(2):45. **(Impact Factor: 0).**

39. **Moshahid A. Rizvi** and Alok S. Sharma, "Screening of some Herbal Products against Rodent Malarial Parasite. Presented in the National Symposium on the Ecology and Biodiversity at the

Department of Zoology, University of Allahabad, (Feb 2003).

40. **Moshahid A. Rizvi**, S.K. Puri & G.P. Dutta, ‘The Ultrastructural Evidence on the Occurrence of Placenta like structure in the developing Oocysts of *Plasmodium yoelii*, Paper presented in Global meet on Parasitic Disease, New Delhi, India. (March 1996).

41. **Moshahid A. Rizvi**, S.K. V. Singh & G.P. Dutta ‘Genetic Control of Dream or Truth’ Presented at XII National Congress of Parasitology at Panji, Goa, (Jan 1995).

42. **Moshahid A. Rizvi**, S.K. Puri & G.P. Dutta, “Production and blood schizontocidal properties of 6-MFA, an inteferon inducer against rodent malaria parasite” Presented at XI National Congress of Parasitology, Udaipur, (Feb.1994).

43. **Moshahid A. Rizvi**, Abstract published on “Genetic Studies on quantitative traits of School going children of Aligarh” in National Symposium held at Aligarh, March 1991.

### **INVITED TALK/CHAIR IN NATIONAL OR INTERNATIONAL CONFERENCE**

**1. Cancer: Disease and Drug development.** ALBATROSS The zoological society, Gargi College in Association with IQAC. **January 29, 2021**

**2. Anticancer Evaluation of Certain Putative Drugs Under In-Vitro Conditions.** Prof. B. N. Dhawan memorial online Lecture series on Recent Developments in Health and Disease. Organised by Department of Zoology, Sri Dev Suman University, Rishikesh Dehradun, India. **December 6, 2020**

**3.** Participated as the “*Chairperson of the Organizing Committee & Head*” in **National Conference on Recent Trends in Protein Structural Biology** at **Department of Biosciences, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi, India** from 16<sup>th</sup> to 18<sup>th</sup> Dec. 2013. (Invited Speaker topic: Cancer genetics and therapeutic challenges).

**4. “Organized GIAN workshop as Chairperson and Head” on Cancer therapy through targeting mammalian DNA repair pathway** at **Department of Biosciences, Jamia Millia Ishlamia, New Delhi** from 23 Oct to 3 Nov 2017. Organized as “**Chairman**” in **National Conference in Protein Structure and Dynamics in Health and Agriculture** at **Department of Biosciences, Jamia Millia Ishlamia, New Delhi** from 3<sup>rd</sup> to 4<sup>th</sup> Nov. 2017).

**5.** Organized one day seminar as “*Chairperson*” on “**Frontier in Science**” at “**Department of Biosciences, Jamia Millia Ishlamia, New Delhi**” on 6 March 2019.

**6.** Organized one day seminar as “*Chairperson*” on **Advance in Biosciences** at **Department of Biosciences, Jamia Millia Ishlamia, New Delhi** on March 2018.

7. Organized International conference as “Chairperson” in **Advance in Zoological Research** at **Department of Zoology, Faculty of Life Sciences, Aligarh Muslim University, Aligarh** from 9<sup>th</sup> to 10<sup>th</sup> March 2019.

8. Jyoti Gupta, Mohammad Afzal, **Moshahid Alam Rizvi**, Mohammad, Zafaryab and Faiz Mujtaba (2014). Anticancer potential of Green tea polyphenols in human cancer cell lines. **In Proceeding of Academic and Research Excellence in Animal Science 2014, B.N.S.C Ahmednagar (Maharashtra)**. 81-85. (ISBN- 978-93-81921,30-2).

#### **SESSION CHAIRED OR INVITED SPEAKER OR BOTH**

1. “*Session chaired*” at **National Seminar on Metal Toxicity and Oxidative Stress** at **Department of Biosciences, Jamia Millia Islamia, New Delhi, India** from 23<sup>rd</sup> to 24<sup>th</sup> Sep. 2014.
2. “*Session chaired and invited speaker*” at **3rd International Conference on Nutraceuticals and Chronic Diseases** at **Cancer Research Institute, Himalayan Institute of Medical Sciences, Swami Rama Himalayan University, Dehradun, India** from 14<sup>th</sup> to 16<sup>th</sup> Sep. 2018. (Topic: Probiotics and Carcinogenesis)
3. “*Invited speaker*” on **Refresher Course** at **Centre for Human Resource Development Center**. (Topic: In-vitro toxicity and anticancer evaluation of herbal drugs).
4. “*Session chaired and Invited speaker*” in **Biological Science Conference** at **Invertis University Bareilly** in Oct 2018. (Invited speaker topic: Epigenetic regulation of Parkin gene in human breast cancer)
5. “*Session Chaired and Invited speaker*” at **International conference on advances in zoological research (ICAZR)** at “**Department of Zoology, AMU, Aligarh** from 9<sup>th</sup> to 10<sup>th</sup> March 2019. Topic: Parkin –p53 cross talk offers new vistas of therapeutic targets in colorectal cancer
6. “*Session chaired and Invited speaker*” at national seminar on **Biotechnology Research in India: Current status and Future Prospects** at **Department of Biotechnology, School of Chemical & Life Sciences, Jamia Hamdard, New Delhi** on 26-27 March 2019. (Invited speaker topic: Molecular anomalies affecting PARP-2 and PTEN in Indian cervical patients).
7. “*Chief Guest and Invited speaker*” at **Azad Institute, Lucknow**. (Invited speaker topic: Cancer Genetic and therapeutic challenges)
8. “*Invited Speaker*” at **DST Inspire program lecture** at **MIT, Meerut** on 10<sup>th</sup> July 2019. (Topic: Basic human cell and tissue culture)
9. Prof. Moshahid Alam Rizvi, Session Chair host at JTA held on 16/02/2020.

#### **HONOURS/AWARDS**

1. **Member Search Committee** of the “*Rowland Postdoc fellowship*” given by “*Rowland Institute at Harvard, Harvard University, 100 Ewdin H. Land Boulevard, Cambridge, MA, 02142, USA*”.

**Ongoing-2019**

2. “**Research Under Literal Access (RULA) award-2018**” (Accredited by Canadian, American and Malaysian Medical Research Council).

3. “**Panel Reviewer**”, of *International Journals including Nature Publication Groups*: Total 12 Journals

4. “**Member**”, of “*ICMR Human Ethical Committee*”.

5. “**Chairman**” of DBT sponsored “*Institutional Bio-Safety Committee*” from 2015 to till now.

6. “**Chairman**” of “*Global Jamia Alumni Network (G-JAN)*” during 2016.

7. “**Member Secretary**” of DBT sponsored “*Institutional Bio-Safety Committee*” from 2011 to 2015.

8. “**Member**” of ICMR sponsored “*Institutional Ethical Committee*” from 2011 to 2015

9. “**Member**” of “*Faculty Committee, Faculty of Natural Sciences Jamia Millia Islamia*”

10. “**Member**” BoS, “*Dept. of Zoology, AMU, Aligarh*”

11. “**Member**”, BoS, “*Dept of Toxicology, Hamdard University, New Delhi*”.

12. “**Member**” RDC, “*Dept. of Biotechnology & Toxicology, Hamdard University, New Delhi*”

### **BOOKS PUBLISHED (INTERNATIONAL PUBLISHERS)**

1. **Handbook of Research on Advancements in Cancer Therapeutics**; A volume in the Advances in Medical Diagnosis, Treatment and Care (ADMTC) Book Series.

Published by: IGI Global, 701 E, Chocolate Avenue, Hershey PA, USA-17033. (2020)

2. **Cancer of Uterine Cervix and PTEN tumor suppressor gene**;

Authored by:- M. Shabbir Alam & M. Moshahid A. Rizvi;

Published by: LAMBERT ACADEMIC PUBLISHING, Germany. (Feb, 2011)

3. **Evolution and genomic diversity of Plasmodium vivax**; Authored

by:- Surendra Kumar Prajapati & M. Moshahid A. Rizvi;

Published by: LAMBERT ACADEMIC PUBLISHING, Germany. (March, 2011)

4. **Nucleic acid metabolism and clinical relevance in health**;

Authored by:- M. A. Khan, M. Zafaryab and M.M.A. Rizvi;

Published by: LAMBERT ACADEMIC PUBLISHING, Germany.(ISSN:978-3-330-07058 (2017)

5. **Anticancer Efficacies of Nanocarboptatin in Human Breast Cancer**;

Authored by:- Md. Asad Khan and M. Moshahid A. Rizvi;

### **CHAPTERS IN BOOKS**

1. Orus Ilyas, **Moshahid A. Rizvi** and S.R. Verma. (2003). Status and conservation of ungulates in Himalaya: A review. In Protected Habitats and Biodiversity, (Ed) S.R.Verma: Nature Conservators Publication 8: 1-8.
2. **Moshahid A. Rizvi**, and S R Verma (2000) Green House gases and Global warming in nature. In Environmental Issues and Management (Ed.) P. Das and others, Nature Conservator Publication, INDIA ; 6 : 257-269. ISBN900467-4-8.
3. **Moshahid A. Rizvi** , (2000) Breast Cancer : A genetic profile of an Environmental Issue. In Environmental Issues & Management (Ed): Conse P. Das and others Nature conservators Publication 6: 305-316. ISBN900467-4-8; ISBN81-900467-6-4.
4. Irfan Ahmad, Asad Khan, **M. Moshahid A Rizvi (2017)**. Role of prebiotic and probiotic in therapy of gut cancer. FFC (2017).
5. Irfan Ahmad, Hassan Mehdi, Asad Khan, **M. Moshahid A Rizvi (2017)**. Cancer therapy: Targeting epigenome by dietary phytochemicals. FFC (2017).
6. Khan MA, Ahmad S, Ahmad I, **Rizvi MA**. Anti-Proliferative Activity of Curcumin Loaded PLGA Nanoparticles for Prostate Cancer. In Nanotechnology Applied To Pharmaceutical Technology 2017 (pp. 267-278). *Springer, Cham*. Mir Hilal Ahmad, **Moshahid Alam Rizvi (2020)**. Evidences for role of NGF in depression and antidepressants treatments: New insights in neuroplasticity dependent therapeutic approaches in The Neuroscience of Depression, Academic Press, Elsevier.
7. Zubair Bin Hafeez, Khalid Umar Fakhri, Md Zafaryab, **M Moshahid A Rizvi**: Functional Mechanisms of Green Tea Polyphenols and Their Molecular Targets in Prevention of Multiple Cancers, 2020, IGI Global Publishers, USA DOI:10.4018/978-1-7998-6530-8/ch022
8. Farhad Bano, Khalid Umar Fakhri, **M Moshahid A Rizvi**: Targeted Drug Delivery in Cancer Treatment. 2020, IGI Global Publishers, USA DOI: 10.4018/978-1-7998-6530-8/ch012.
9. Durdana Yaseen, Bushra Afzal, Md Zafaryab, Neha Sami, Khalid Umar Fakhri, **M Moshahid A Rizvi**, Tasneem Fatima: 2020, IGI Global Publishers, USA, DOI: 10.4018/978-1-7998-6530-8/ch009.
10. Mohd Aleem, Pooja Gupta, Deepti Sharma, Khalid Umar Fakhri, **M Moshahid A Rizvi**. Synthesis to Suppress Tumor Angiogenesis and Metastasis, Overcome Multi-Drug Resistance in Cancer, Target Telomerase and Apoptosis Pathways, 2020, IGI Global Publishers, USA, DOI: 10.4018/978-1-7998-6530-8/ch010.
11. Khalid Umar Fakhri, Md Zafaryab, Armiya Sultan, Md. Rizwanullah, Zubair Bin Hafeez, **M**

**Moshahid A Rizvi.** Obstructions in Nanoparticles Conveyance, Nano-Drug Retention and EPR Effect in Cancer Therapies. 2020, IGI Global Publishers, USA DOI: 10.4018/978-1-7998-6530-8/ch026.

12. MH Ahmad, **MMA Rizvi**, M Fatima, AC Mondal. Impact of NGF signaling on neuroplasticity during depression: Insights in neuroplasticity-dependent therapeutic approaches. *The Neuroscience of Depression*, 2021, 341-350.
13. M Aleem, D Sharma, D Sharma, S Dan, P Gupta, KU Fakhri, **MMA Rizvi**. Strategies to Suppress Tumor Angiogenesis and Metastasis, Overcome Multi-Drug Resistance in Cancer, Target Telomerase and Apoptosis Pathways. *Handbook of Research on Advancements in Cancer Therapeutics*, 2021, 312-338.
14. Khalid Umar Fakhri, Bader Saud Alotaibi, Sumit Kumar, Umesh Kumar, Subash C Sonkar, Ankit Mathur, Zakia Kazim, Ahmad Perwez, Durdana Yasin, Bushra Zeya, Farhan Jalees Ahmad, **M Moshahid Alam Rizvi**. Phytopharmaceuticals in Cancer Treatment. *Handbook of Research on Advancements in Cancer Therapeutics*, 2021, 639-668.
15. M Rani, S Kumar, **MMA Rizvi**. Role of Stem Cells in Cancer Therapeutics. *Handbook of Research on Advancements in Cancer Therapeutics*, 2021, 467-485.
16. Durdana Yasin, Md Zafaryab, Khalid Umar Fakhri, Shaheen Husain, Bushra Afzal, Neha Sami, Hemlata Hemlata, M Moshahid Alam Rizvi, Tasneem Fatma. Apoptotic Pathway: A Propitious Therapeutic Target for Cancer Treatment. *Handbook of Research on Advancements in Cancer Therapeutics*, 2021, 290-311.
17. D Yasin, N Ahmad, MA Rizvi, T Fatma. Cyanobacteria as a Promising Source of Therapeutic Agents Against Various Human Diseases. *Phycobiotechnology*, 2021, 187-213.
18. Shadab Pasha Khan, MA Rizvi, Rehan Khan. Internet of Things Security Challenges and Concerns for Cyber Vulnerability. *Dark Web Pattern Recognition and Crime Analysis Using Machine Intelligence*, IGI Global, 2022, 190-206.
19. Asad Khan, M Moshahid A Rizvi. Biomedical Application of Polyhydroxybutyrate Biopolymer in Drug Delivery, *Handbook of Research on Nano-Drug Delivery and Tissue Engineering: Guide to Strengthening Healthcare Systems*, CRC Press, 2022, 35-55.
20. Khushnuma Wahabi, Ahmad Perwez, Moshahid A Rizvi. Antioxidant in Cancer: Preventer, Promoter or an Achilles Heel, *Handbook of Oxidative Stress in Cancer: Therapeutic Aspects*, Springer Singapore, 2022, 1-16.

### **GENERAL SCIENCE ARTICLES**

1. "Amniocentesis: Technique and Tale", **Polymag** A.M.U, Aligarh.1990-91,
2. "Some Health Tips" **The Times of India**, 17.09.1994.
3. "What and How of AIDS" **The Time of India**, 30.11.1994.
4. "Genesis of Cancer" **The Time of India**, 26.04.1995.
5. "Saline way to abundance" **The Pioneer**, 26.06.1995.
6. "Virus: The Cop Killer" **Vina pani**, 1999.

### **WORKSHOP / TRAINING / SYMPOSIA**



1. Four-week workshop on “Evaluation of the Expression of the Interleukins and Interferons in cells of patients with Tropical and infectious Disease” at **Centre for Biotechnology, Anna University, Chennai, India. 1993**
2. Indo-German workshop on “**In Vitro Toxicology**” at **ITRC, Lucknow, India. 1995**
3. Indo-Japan symposium on “**Molecular Genetics and Medicine**” at **AIIMS, New Delhi, India. 1994**
4. Indian Academic of Sciences / Moving Academy organized Refresher course on “**Trends in Immunology**” for two weeks at the Centre for **Health Sciences, Pune University, Pune, 2002.**
5. **Workshop om Development of quality question paper**, Organized by **Academic Staff College**, Jamia Millia Islamia and sponsored by UGC, New Delhi from 9<sup>th</sup> – 12<sup>th</sup> March, 2002.
6. **NCERT** organized workshop for review of Urdu translation and vetting of “**Science and Technology**” Text Book for class X, 10<sup>th</sup> – 14<sup>th</sup> November 2003.
7. **NCERT** organized workshop for review of Urdu translation and vetting of “Science and Technology” Text Book for class VI & VII, 8<sup>th</sup> – 12<sup>th</sup> December 2003.
8. **NCERT** organized workshop for review of Urdu translation and vetting of “Scienceand Technology” Text Book for class XII, 19<sup>th</sup> – 23<sup>rd</sup> January 2004.
9. **NCERT** organized workshop for review of “Biology” Text Book for class XI & XII, 11<sup>th</sup> -15<sup>th</sup> October, 2004
10. **NCERT** organized workshop for review of Urdu translation and vetting of “Scienceand Technology” Text Book for class X, 20<sup>th</sup>-24<sup>th</sup> December 2004.
11. Participated in four week UGC sponsored **Refresher Course in Life Sciences** during 27. 12. 2004 to 20. 01 2005, held at Academic Staff College, JNU New Delhi
12. Participated in four week UGC sponsored **Refresher Course in Bio-Sciences** during 18. 08. 2005 to 08. 09. 2005, held at Academic Staff College, JMI, New Delhi
13. **NCERT** organized workshop for review of Urdu translation and vetting of **Biology** Text Book for class XI, 10<sup>th</sup> – 17<sup>th</sup> May, 2005.
14. Workshop on “**Application of Molecular Biology Techniques in Reproductive Biomedicines**” under Indian Society for Comparative Endocrinology at National Institute of Health and Family Welfare from 18<sup>th</sup> to 29<sup>th</sup> October, 2010

### **RESEARCH PROJECTS AWARDED**

1. Assessment on the modulation of anticancer activity of standard cancer drugs by nuatraceuticals and unani drug in colorectal cancer on going (CCRUM Ministry of Ayush)

23,14,000INR... **ongoing**

2. Impact of defined flavonoids on colon cancer intervention: Targeting signaling cascade under invitro and in vivo system. (Awarded by UGC under UGC-SAP-DSR II (F.3-9/2018/DRS-II(SAP-II)), New Delhi: as Project coordinator, 1,30,00,000.00 INR (10,01,113 in 19-20)). 2018 **Completed**
3. To study the antitumour potential of Pashanbheda, Punarnava, Gokshura and Badra on urothelial cell carcinoma (UCC) cell lines. (Co-PI, Ministry of Ayush: 2018-21). 2.Role of NF-kB, cytokines IL-1, IL-alpha, IL-6, IL-18, TNF-alpha cox2 and p53 for assessing the malignant potential to oral cancer and their association to therapeutic response in patients with Oral Lichen Planus and oral Radiation Induced Mucositis. (Awarded by UGC, New Delhi; 2013-2016. as CO-PI, 12,00,000.00 INR). Completed Molecular Evaluation of PARKIN Gene in Indian Cervical Cancer Patients (Awarded by UGC, New Delhi; May, 2012, 10,50,000.00) **Completed**
4. Molecular evaluation of PTEN gene in colorectal cancer patients from Northern India (Awarded by DBT, New Delhi; 2008, 6,50,000.00 INR) **Completed.**
5. Investigation on Probiotic and Therapeutic potential of certain plants of dietary nature on mouse enteric microbes and jejunum stem cells (Awarded by Defence Research and Development Organization (DRDO), New Delhi, India; Dec. 2007, 30,000.00 INR) **Completed.**
6. Molecular evaluation of PTEN gene in cervix cancer patients (Awarded by UGC, New Delhi; April, 2006, 90,000.00 INR) **Completed.**
7. Identification and screening of certain herbal antimalarials from Himalayan belt against rodent malaria parasite. (Awarded by UGC, 2001, New Delhi) **Completed.**
8. Ultrastructural analysis of sporogonic development of malaria parasite. (Minor project, University of Allahabad, (2001) **Completed**

#### **Number of Scholars Presently holding Fellowships**

#	Name of the Fellowship	Number of Recipients
1.	ICMR-SRF	03
2.	UGC-JRF	01
3.	CSIR-JRF	01
4.	DBT-JRF	01
5.	CCRUM-JRF	01

#	<u>Name of student</u>	Fellowship
1.	Masood Nadeem	UGC-SRF

2.	Bushra Khan	DBT-JRF
3.	Faqua Zarreen	CSIR-JRF
4.	Khalid Imtiyaz	ICMR-SRF
5.	Khalid Umar Fakhri	ICMR-SRF
6.	Abu nasar	CCRUM-JRF

### **Post-doc Fellows (ACCOMPLISHED-08)**

<b>S.No.</b>	<b>Name of the postdoc Fellow</b>
1.	Dr. Rehana Qureshi (DSKPSF)
2.	Dr. Syed Mehdi Hassan (DSKPSF)
3.	Dr. Asad Khan (DST-Young Scientist)
4.	Dr. Lata Singh (DST-NPDF)
5.	Dr. Ayesha Aziz Faridi (UGC-Woman Scientist)
6.	Dr. Vandana Prajapati (DST-Young Scientist)
7.	Dr. Sana Khan (DST-NPDF)
8.	Dr. Tarique Sarwar (DST-NPDF)
9.	Dr. Ayesha Siddique (ICMR-RA)
10.	Dr. Preeti Bansal (UGC-DSKPSF)
11.	Dr. Madhu Rani (UGC-DSKPSF)

### **PH.D. SUPERVISED (40)**

1. **Dr. Javid Sadrae**, (Foreign National from the Republic of Iran) (2006, Title Parasitic Diarrheal Disease in HIV/AIDS Patient and Its Correlation With Immune Status).
2. **Dr. Alok Suman Sharma** (2007, Title: Chemotherapeutic Profile of Certain Compounds against Rodent Malaria Parasite).
3. **Dr. Rekha Rani** (2007, Title: Characterization of Human Gut Microflora in Enteric Patient Using Molecular and Biochemical Technique).
4. **Dr. U. Shreehari** (2007, Title: Efficacy of Long-Lasting Insecticide Treated Net Technology Against Anopheles Culicifacies, A principal Malaria Vector in India).
5. **Dr. Arshad Rehmani** (2009, Title: Role Of Nat-2gene and Hormone Receptors in Genesis of Urinary Bladder Carcinoma).
6. **Dr. Laxman Singh** (2009, Title: Immunology).
7. **Dr. Krishna Kumar** (2009, Title: Radioprotection by Tenospora Cardifolia),
8. **Dr. Surendra.K. Parjapati** (2009, Title: Evolution and genomic diversity of Plasmodium vivax).
9. **Dr. Sonia Tyagi** (2010, Title: Radiation-Induced Cell Cycle Perturbations in Intestinal Crypt Cells and Their Modulations by Tinospora Cordifolia).
10. **Dr. Md. Shabbir Alam** (2010, Title: Molecular Analysis of PTEN Gene in Cervical Cancer Patients).
11. **Dr. Rushdi Shakri** (2011, Title: Receptors-Ligands Interactions in Erythrocyte Invasion by

Malaria Parasite: Targets for Intervention).

12. **Dr. Nisreen Alyasiri** (Foreign National, ICCR fellow) (2011, Title: Assessment on Role of PTEN Tumor Suppressor Gene in Oral Cancer).
13. **Dr. Syed Jafar Mehdi** (2012, Title: Molecular Analysis of Parkin Gene in Different Gynecological Cancer).
14. **Dr. Feroz Akhtar** (2013, Title: Chytosan and Chytosan-Alginate Nanoparticle Based Delivery System for Mucousal Immunomodulation in Mice).
15. **Dr. Md. Irshad** (2013).
16. **Dr. Asgar Ali** (2013, Title: Expressional Analysis of PTEN Gene in Genesis of Colorectal Carcinoma).
17. **Dr. Priyanka Singh** (2014, Title: Molecular Studies of Chikungunya Virus Isolated from Different Parts of India).
18. **Dr. Zakia Kazim** (2015, Title: Molecular Analysis of PTEN Gene in Breast Cancer Patients).
19. **Dr. Shilpie Biswas** (2016, Title: Molecular Analysis of Toll Like Receptors (TLRs) in HPV (Human Papilloma Virus) Associated Cervical Cancer).
20. **Dr. Mohd. Irfan** (2016, Title: Evaluation of Certain Cucurbits Against Gut Microflora and Their Therapeutic Implications in Gut Associated Pathogenesis).
21. **Mr. Shahanshah Khan** (2016, Title: Role of Potential Antioxidants at Lethal/Sublethal Doses of  $\gamma$ -Radiation: Investigation Under In-Vivo and Ex-Vivo Animal Model System).
22. **Ms Afreen Naseem** (2017 Title: Evaluation of certain TSG in cervical cancer patient).
23. **Mr. Zubair Bin Hafeez** (2017 Title: Assessment of the role of PARKIN gene and its associated molecular mechanism in cervical cancer”).
24. **Ranjan Tiwari** (131636924, 15/02/2013-30/08/2019, Title: Studies on the Association of Colorectal Cancer and Mutational Status of PARKIN Tumor Suppressor Gene).
25. **Khushnuma Wahabi** (11-6065, 26/09/2013-26/06/2019, title: Molecular studies on Parkin gene among breast cancer patients).
26. **Farheen Shamsi** (20148070, 30/09/2014, Title: Designing, characterization & in vitro evaluation ofazole based therapeutic agents against cancer).
27. **Zaffar Iqbal Bhat** (DS/10/6320, 18/08/2013 - 31/5/2019, Title: Evaluation on genetic polymorphism of PARK- 2 gene among Colorectal cancer patients from northern India).
28. **Ankita Leekha** (2017, Title: Overcoming Cisplatin Resistance in Ovarian Cancer).
29. **Atheer Abbas Yaseen** (2015, Title: Anti Proliferative Potencies of Some Substance).
30. **Ahmad Perwez** (07-4243, 26/09/2013-25/06/2019, Title: Study of certain Tumorsuppressor gene and oncogenic association in the modulation of cell cycle regulators in different Gastrointestinal cell lines).

31. **Khushnuma Wahabi** (26/09/2013-06/08/2019 Title: Molecular studies on Parkin gene among breast cancer patients).
32. **Md. Zafaryab** (Life science/2014/2013, 13/09/2013, Title: In vitro Antiproliferative and apoptotic Potential of Thymol and Palmitic acid on Human Cancer Cells).
33. **Durdana Yasin** (2019) Determination of anticancer efficacy of cyanobacterial extracts.
34. **Shabeena Kamarudheen** (1310216, 24/09/2013, Title: Evaluation of anticancer potential and possible mechanism of action of Nigella sativa extract).
35. **Khalid Umar Fakhri** (Anticancer Assessment of Rhein and Phytic Acid Against Colorectal Cancer).
36. **Mohammad Faraz Khan** (Pharmaceutical Chemistry) Title: Synthesis and Biological Evaluation of Novel Pyrazole-4-acrylic Acid Analogues As Potential Anti-cancer and Anti- Inflammmtory Agents)-2020 (Jamia Hamdarad).
37. **Bushra Zeya** (*In vitro* evaluation of selected flavonoids on colon cancer cells via targeting its signaling cascade).
38. **Laraib Urooj** (Molecular profiling of FBXW7, EGFR and FOXO3 among Indian Colorectal Cancer patients).
39. **Khalid Imtiyaz** (Exploration on the mechanism of action of Fisetin/Mimosine on MTH1 mediated therapy against skin cancer).
40. **Mohammad Rizwan** (Development of Polymer based Nanoformulation for Improved Oral Efficacy of Anticancer Agent)

### **PH. D UNDER SUPERVISION**

S. No.	Name of the Ph.D. Student
1.	Dr. Tanveer Ahmad
2.	Masood Nadeem
3.	Hilal Mir Ahmad
4.	Syed Tauqeer Anwar
5.	Bushra Khan
6.	Fuqua zarreen
7.	Abu Nasar
8.	Alina

### **ADMINISTRATION / EXTRA CURRICULAR SERVICES**

1. Head, Department of Biosciences, Jamia Millia Islamia from 08/04/2016 to 07/04/2019.

2. Coordinator of University Grants Commission Special Assistance Program Project level-II 2018. To till date
3. Provost Dr. Zakir Husain Hall of Boys Residence, JMI 23/06/2019 – Till date
4. Course Coordinator of M. Sc. Microbiology and MSc. Biochemistry. 2017-19
5. Chairman of Global Jamia Alumuni (GJAN) Since 2015
6. Chairman of Institutional Biosafety committee 2016-2019
7. Member Secretary of Institutional Biosafety committee during 2013-2016
8. Advisor AAJMI, since 2018.
9. Returning officer, (i) AAJMI Election. 2018, (ii) JTA election 2018
10. Member of ICMR sponsored Institutional Ethical Committee (IEC) 2011-2015
11. Member Animal Ethics Committee. 2011-2015
12. Assistant Coordinator of Graduate Course in Biotechnology, Department of Biosciences, Jamia Millia Islamia from 2002 to 2006.
13. Senior Warden of SRK, SRK New and Pink Hostels, Jamia Millia Islamia (2004-2010).
14. Proctor, of D.A.V College, Muzaffarnagar from 1998 to 2000.
15. NSS Program Officer from 2000 to 2001.
16. Member Faculty Committee, Faculty of Natural Sciences JMI
17. Life Member Indian Society for Parasitology.

*I certify that the facts stated above are true and correct to the best of my knowledge and belief.*



Place: New Delhi, India.

**Prof. Mohd Moshahid Alam Rizvi**

Date: 20<sup>th</sup> Oct 2023