

CURRICULUM VITAE

Dr. Md. Asad khan, (Ph.D.)

Professor

Department of Biochemistry, Faculty of Dentistry

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Objective: To apply myself for constructive purposes by utilizing my educational and professional qualifications for the organization in the areas of teaching and research.

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LIST OF RESEARCH PUBLICATIONS:

1. Shireen Naaz Islam, Zarina Arif, Asim Badar, Moinuddin, **Md Asad Khan**, Khursheed Alam. (2024) Glycooxidation of mammalian whole histone generates highly immunogenic aggregates: Sera of SLE patients contain autoantibodies against aggregates. Scand J Immunol. (ISSN: **0300-9475**, Impact factor 4.1), **100(3)**: e13389.
2. **Md. Asad Khan**, Kashif Ali, M. Moshahid A. Rizvi. (2024) Human Papillomavirus Type 16 Based L1, L2, E6, and E7 Peptide Microspheres Induce Encapsulated Peptide Mixture Specific Cytotoxic T Lymphocytes and Tumor Regression in a Murine Model of Cervical Cancer. Cancer Screening and Prevention. (ISSN: **2835-3314**) **3(2)**, 85–90.
3. Tanveer Ahmad, **Md Asad Khan**, and M Moshahid A Rizvi. (2023) A Development of Synthetic Chimeric Peptide Against Human Papillomavirus 16 L1, L2, E6 And E7 Peptides Based Therapeutic Potential in A Murine Model of Cervical Cancer. American Journal of Biomedical Science & Research. (ISSN: **2642-1747**, Impact factor 1. 628), **19(4)**, 78–84.
4. Md Faiz Akram, Seema Manak, Deep Inder, **Md Asad Khan**, Mohd Tariq Salman. (2022) Pharmacology teaching in dental education in India: Time for a reappraisal. Journal of Population Therapeutics & Clinical Pharmacology. (ISSN: **1710-6222**, Impact factor 0. 848), Vol 29(3):e1–e10.
5. Farheen, **Md Asad Khan**, Gulam Md Ashraf, Moshahid A Rizvi. (2021) New horizons in the treatment of neurological disorders with tailorable gold nanoparticles. Current Drug Metabolism, (ISSN: 1875-5453, Impact factor 3. 036), 22 (12), 931-938.
6. Sana Nafees, Md. Zafaryab, Syed H. Mehdi, Bushra Zia, Moshahid A. Rizvi and **Md. Asad Khan** (2021) Anti-Cancer Effect of Gingerol in Cancer Prevention and Treatment. Anti-Cancer Agents in Medicinal Chemistry, (ISSN 1871-5206, Impact factor 2.56), 21, 428-432.
7. **Md. Asad Khan**, Md. Faiz Akram, Khursheed Alam, Haseeb Ahsan and Moshahid A. Rizvi (2020) Peroxynitrite-Mediated Structural Changes in Histone H2A: Biochemical and Biophysical Analysis. Protein & Peptide Letters, (ISSN 0929-8665, Impact factor 1.13), 27, 989-998.
8. Md. Zafaryab, Khalid Umar Fakhri, **Md. Asad Khan**, Krishnan Hajela, M. Moshahid A. Rizvi. (2019) In vitro Assessment of cytotoxic and apoptotic potential of Palmitic acid for Breast cancer Treatment. Intl. J. Life Sci. Res. (ISSN 2348-3148), 7(1),166-174
9. Yogesh Pandey, **M. A. Khan**, Syed Hassan Mehdi, Satish Chandra Sati, Preeti Bhatt and Chandra Kala Pant. (2019) Synergistic effect of galangin and TNF inhibits the cell proliferation and induces cell

apoptosis through activating caspases pathways in breast cancer. *J. Pharmacognosy Phytochem.* (ISSN: 2278-4136), 8(2): 2024-2030

10. Y. Pandey, S. H. Mehdi, **M. A. Khan**, P. Bhatt, C. K. Pant. (2018) TRAIL (Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand) mediated Apoptosis of human breast cancer cells sensitized by dietary flavonoid Kaempferol. **Intl. J. Sci. Res. Biol. Sci.** (ISSN: 2347-752), 5(6), 08-14.
11. Syed H Mehdi, Sana Nafees, M. Zafaryab, **M. A. Khan**, M.M.A Rizvi. (2018) Chrysin: A Promising Anticancer Agent its Current Trends and Future Perspectives. *European Journal of Experimental Biology* (ISSN: 2248-9215, **Impact factor 1.09**) 8 (3) :16. doi:10.21767/2248-9215.100057
12. **M. A. Khan**, M. Zafaryaba, Syed H Mehdi, I. Ahmad, M.M.A Rizvi. (2018) Physicochemical characterization of curcumin loaded chitosan nanoparticles: Implications in cervical cancer. *Anti-Cancer Agents in Medicinal Chemistry* (ISSN: 1875-5992, **Impact factor 2.7**) 18(8), 1131-1137.
13. Syed H Mehdi, **M. A. Khan**, M. Zafaryaba, S. Nafeesa. (2018) Pesticide and its Environmental and Health Hazard. *International Journal of Scientific & Engineering Research* (ISSN: 2229-5518, **Impact factor 4.2**) 9, 1875-1885.
14. M.A. Khan, Z. Arif, **M.A. Khan**, Moinuddin, K. Alam. (2018) Methylglyoxal produces more changes in biochemical and biophysical properties of human IgG under high glucose compared to normal glucose level. **PLOS ONE**, (ISSN: 1932-6203, **Impact factor 2.806**) 13(1): e0191014, <https://doi.org/10.1371/journal.pone.0191014>.
15. **M. A. Khan**, K. Alam, G. M. Ashraf, M. M. A. Rizvi. (2018) Impact of hydroxyl radical modified-human serum albumin autoantigens in systemic lupus erythematosus. **Curr. Protein Pept. Sci.** (ISSN: 1875-5550, **Impact factor 2.701**) 19(9), 881-888. DOI: 10.2174/1389203718666170725115319.
16. **M. A. Khan**, M. Zafaryab, S. H. Mehdi, K. Alam, M. M. A. Rizvi. (2017) Genotoxic effect and antigen binding characteristics of SLE auto-antibodies to peroxynitrite-modified human DNA. **Arch. Biochem. Biophys.** (ISSN: 0003-9861, **Impact factor 3.073**) 635, 8-16.
17. **M. A. Khan**, K. Alam, S. H. Mehdi, M. M. A. Rizvi. (2017) Nitration on H2B histone is an epitope for elicit immune response in experimental animals. **Autoimmunity** (ISSN: 0891-6934, **Impact factor 2.917**) 50 (4), 232-240.
18. Ahmad, S.; Amir, A.; Zafaryab, M.; Osama, K.; Faridi, S. A.; Siddiqui, M. H.; Rizvi, M. M. A.; **Khan, M. A.** (2017) Production and Characterization of Polyhydroxybutyrate Biopolymer from *Azohydromonas australica* Using Sucrose as a Sole Carbon Source. **J Microb Biochem Technol.** (ISBN No. 1948-5948, Impact factor: 4.09) 9 (3), 82-86.
19. Irfan Ahmad, I.; **Khan, M. A.**; Mehdi, S. H.; Zafaryab, M.; Perwez, A.; Rizvi, M.M.A. (2017) Cucurbit extracts augment biofilm formation by probiotic Lactobacilli: An in vitro study. **J Microb Biochem Technol.** (ISBN No. 1948-5948, Impact factor: 4.09) 9(3), 122-125.
20. **Khan, M. A.**; Zafaryab, M.; Alam, K.; Rizvi, M. M. A. (2017) Peroxynitrite-modified histone as a pathophysiological biomarker in Autoimmune Diseases. **Biochimie** (ISSN: 0300-9084, Impact factor: **4.079**) 140, 1-9.
21. I. Ahmad, M. Irshad, M. Zafaryab, **M. A. Khan**, S. H. Mehdi, A. Perwez, M. M. A. Rizvi. (2017) Phytochemical Composition of Extracts Prepared from Dietary Cucurbits and their Cytoprotective Efficacies against Hydrogen Peroxide Induced Oxidative Stress in GI Cell-INT407. **J. Plant Biochem. Physiol.** (ISSN: 2329-9029, **Impact factor 3.21**) 5:1
22. **M. A. Khan**, M. Zafaryab, S. H. Mehdi, J. Quadri, M. M. A. Rizvi. (2017) Characterization and carboplatin loaded chitosan nanoparticles for the chemotherapy against breast cancer *in vitro* studies. **Intl. J. Biol. Macromol.** (ISSN: 0141-8130, **Impact factor 6.953**) 97, 115–122.

23. I. Ahmad, M. Nasiruddin, **M.A. Khan**, M. Zafaryab, S.H. Mehdi and M.M.A. Rizvi (2016) Nutraceuticals as Chemopreventive and Therapeutic agents in Gut Associated Pathogenesis. **Biochem Anal. Biochem.** (ISSN: 2161-1009, **Impact factor 2.63**) 1000298 5(4) (review)
24. **M. A. Khan**, M. Zafaryab, S. H. Mehdi, I. Ahmad, M. M. A. Rizvi. (2016) Characterization and anti-proliferative activity of curcumin loaded chitosan nanoparticles in cervical cancer. **Intl. J. Biol. Macromol.** (ISSN: 0141-8130, **Impact factor 6.953**) 93, 242–253.
25. **M. A. Khan**, Kiran D., Moinuddin, Alam K. (2016) 4-aminobiphenyl and nitric oxide synergistically modified human DNA: Its implication in bladder cancer. **Biochem. Anal. Biochem.** (ISSN: 2161-1009, **Impact factor 2.63**) 5, 279.
26. **M. A. Khan**, Alam, K., Dixit, K., M.M.A. Rizvi. (2016) Role of peroxynitrite induced structural changes on H2B histone by physicochemical method. **Intl. J. Biol. Macromol.** (ISSN: 0141-8130, **Impact factor 6.953**) 82, 31–38.
27. Z. Arif, M. Y. Arfat, J. Ahmad, A. Zaman, S. N. Islam, **M. A. Khan**. (2015) Relevance of Nitroxidation of Albumin in Rheumatoid Arthritis: A Biochemical and Clinical Study. *J Clin Cell Immunol.* (ISSN: 2155-9899, **Impact factor 3.31**) 6, 324. doi: 10.4172/2155-9899.1000324.
28. **M. A. Khan**, Sharma, C., Mohan, T., Shrinet, J., Latha, N., Singh, N. (2014) A synthetic chimeric peptide harboring human papillomavirus 16 cytotoxic T lymphocyte epitopes shows therapeutic potential in a murine model of cervical cancer, **Immunologic Research** 58, 132-138 (ISSN: 1559-0755, **Impact factor 2.963**)
29. **M. A. Khan**, Dixit, K. Alam, K. (2014) Studies on Peroxynitrite-Modified H1 Histone; Implications in Systemic Lupus Erythematosus. **Biochimie** (ISSN: 0300-9084, **Impact factor 4.079**) 97, 104-113
30. **M. A. Khan**, Dixit, K. Arif, Z. Moinuddin, Ashraf. J.M. Alam, K. (2013) Peroxynitrite-modified H3 histone is highly immunogenic and better bound by circulating autoantibodies in SLE patients than native DNA. **Am. J. Bio-Medical Sciences** 5, 69-79 (ISSN: 1937-9080, **Impact factor 6.25**)
31. **M. A. Khan**, Dixit, K. Moinuddin, Malik, A., Alam, K. (2012) Role of peroxynitrite-modified H2A histone in the induction and progression of rheumatoid arthritis, **Scand. J. Rheumatol.** 41, 426-433 (ISSN: 0300-9742, **Impact factor 2.594**)
32. **M. A. Khan**, Dixit, K. Sharma, Y.D., Moinuddin, Alam, K. (2011) Peroxynitrite-induced modification of H2A histone mimics epitopes which are strongly bound by human anti-DNA autoantibodies: Role of peroxynitrite-modified-H2A in SLE induction and progression. **Human Immunol.** 72, 219–225 (ISSN: 0198-8859, **Impact factor 3.061**)
33. **M. A. Khan**, Dixit, K., Sharma, Y.D., Moinuddin, Alam, K. (2010) Physicochemical studies on peroxynitrite-modified H3 histone. **Intl. J. Biol. Macromol.** 46, 20-26 (ISSN : 0141-8130, **Impact factor 6.953**)
34. **M. A. Khan**, Dixit, K., Jabeen, S., Moinuddin and Alam, K. (2008) Impact of Peroxynitrite Modification on Structure and Immunogenicity of H2A Histone. **Scand. J. Immunol.** 69, 99-109 (ISSN: 1365-3083, **Impact factor 2.256**)
35. G. Waris, **M. A. Khan**, Khan. S. and Alam, K. (2007) Binding of superoxide-modified DNA by cancer antibodies. **J. Exp. Clin. Cancer Res.** 26, 499-504 (ISSN: 0392-9078, **Impact factor 4.357**)

BOOK PUBLICATION

- **M. A. Khan** and M.M.A. Rizvi. (2016) Anticancer Efficacies of Nanocarboptatin in Human Breast Cancer. Scholar press. Germany, (ISSN: 978-3-659-84274-0).
- **M. A. Khan**, M. Zafaryab and M.M.A. Rizvi. (2017) *Nucleic acid metabolism and clinical relevance in health.* LAP Lambert Academic Publishing, Germany, (ISBN: 978-3-330-07058-5).

Book chapter publication

- ✓ Sana Nafees, **Md Asad Khan**, Moshahid A. Rizvi. (2022) Chapter 06: Advances in Innovative Technologies for overcoming Adversial External Factors Affecting Individuals with Neurodevelopmental Disorders. Enabling Technology for Neurodevelopmental Disorders: From Diagnosis to Rehabilitation. Edin:1 Taylor & Francis Group, (ISBN: 9781003165569)
- ✓ **Md. Asad. Khan**, M.M.A. Rizvi. (2022) Chapter 02: 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, a Taylor & Francis Group, Apple Academic Press. (ISBN: 9781771889841: eBook ISBN: 9781003161196)
- ✓ Sana Nafees, Md Faiz Akram, and **Md Asad Khan**. (2021) Chapter 6: Drug Therapy of Alzheimer's Disease: Cholinesterase Inhibitors, NMDA Antagonists. Autism Spectrum Disorder and Alzheimer's Disease. Springer Nature, (ISBN: 978-981-16-4557-0)
- ✓ **Md. Asad. Khan**, M.M.A. Rizvi. (2017) Chapter 01: *Therapeutic action of curcumin loaded chitosan nanoparticles for cervical cancer*. Current research & reviews on cervical cancer. Open Access eBooks publisher. Washington, USA. (ISBN No. 978-81-935757-4-1).
- ✓ Irfan Ahmad, Syed Hassan Mehdi, **Md. Asad Khan**, M. M. A. Rizvi. (2017) Chapter 01: **Cancer therapy: Targeting epigenome by dietary phytochemicals. Functional Foods and Cancer**. Functional Foods in Integrative Oncology Volume 5, First Edition, Dallasarea, USA. (ISBN-13: 978-1976255342, ISBN-10: 1536919438 1976255341).
- ✓ Irfan Ahmad, **Md. Asad Khan**, M. Moshahid A. Rizvi. (2017) Chapter 02: **Role of prebiotics and probiotics in therapy of gut cancer. Functional Foods and Cancer**. Dallasarea, USA. Functional Foods in Integrative Oncology Volume 5, First Edition, (ISBN-13: 978-1976255342, ISBN-10: 1536919438 1976255341).
- ✓ **Md. Asad. Khan**, Salman Ahmad, Irfan Ahmad, M.M.A. Rizvi. (2017) Chapter 11: Anti-Proliferative Activity of Curcumin Loaded PLGA Nanoparticles for Prostate Cancer. Book Title: Nanotechnology Applied To Pharmaceutical Technology, Springer International Publishing AG 2(Springer Nature), doi.org/10.1007/978-3-319-70299-5_11, (ISBN: 978-3-319-70298-8).

TEACHING AND RESEARCH EXPERIENCES

Institution/University & Location	Post held/ Designation	Dates of Joining (dd/mm/yyyy)	Dates of reliving (dd/mm/yyyy)	Nature of duties
Department of Biochemistry, F/O Dentistry, Jamia Millia Islamia, New Delhi	Professor	27 th March 2023	Till Date	Teaching & Research
Department of Biochemistry, F/O Dentistry, Jamia Millia Islamia, New Delhi	Associate Professor	27 th March 2019	26 th March 2023	Teaching & Research
Department of Biochemistry, F/O Dentistry, Jamia Millia Islamia, New Delhi	Assistant Professor	27 th March 2017	26 th March 2019	Teaching & Research
Department of Biosciences, Jamia Millia Islamia,	DST-Young Scientist ¹	25 th June 2014	26 th March 2017	Teaching & Research

New Delhi				
Department of Biochemistry, Narayan Medical College. Jamuhar, Sasaram Bihar	Assistant Professor	01/10/2013	30 th June 2014	Teaching
Department of Biochemistry, J. N. Medical College, A.M.U. Aligarh	Lecturer/ Senior Resident	01/07/2010	30/09/2013	Teaching
Department of Biochemistry, AIIMS, New Delhi	Postdoctoral ² Research Associate	02/02/2009	30/06/2010	Research

¹“*In vitro* evaluation of nanoparticles for their anticancer efficacies against cancer of uterine cervix”

²“To study the immune response of T-cell dominant synthetic peptide derived from HPV-16 using different adjuvants in a mouse model of cervical cancer”

EDUCATIONAL QUALIFICATIONS

University & Location	Dates Attended (mm/yyyy)	Degree (if applicable)	Conferred (mm/yyyy)	Field of Study
Aligarh Muslim University, Aligarh	10/2004	Ph.D*	01/2009	Medical Biochemistry
Aligarh Muslim University, Aligarh	07/2002	M.Sc.	07/2004	Biochemistry
Aligarh Muslim University, Aligarh	07/1999	B.Sc.	07/2002	Biochemistry

Thesis Title: Studies on Experimentally Produced Antibodies against Peroxynitrite-Modified Histones

PROJECTS AND GRANTS

S.No	Title of Project	Funded agencies	Amount (Rs.)
1	<i>In vitro</i> evaluation of some potential molecules from bioresources for their anticancer efficacies against cancer of uterine cervix	DST (Completed)	31,56,000/-
2	<i>In vitro</i> physicochemical characterization of chrysin nanoparticles and their anticancer efficacies against human lung cancer cells	UGC (completed)	10,00,000/-
3	Synthesis of fluorine doped zinc oxide and silver nanoparticle based calcium phosphate nanocomposite as antibacterial against <i>Streptococcus mutans</i> and dental restorative materials	ICMR (Ongoing) Principal Investigator (45/09/2019-Nan/BMS)	16,38000/-

HIGHLIGHTS/EXPERIMENTAL SKILLS

Instruments: CD, Fluorescence, UV-Visible Spectroscopy, FT-IR, FACS, Fluorescence microscopy, ELISA,

TEM, DLS, DSC and Lyophilizer.

Proteins: Estimation, Purification, SDS-PAGE, Ion Exchange, Size exclusion column chromatography, Affinity column chromatography, Enzyme assays, Antibody purification from serum, Antibody modification. Preparation of immunoaffinity column for protein purification, Nanoparticles preparation and characterization.

Molecular Biology: Plasmid & Genomic DNA isolation, Gene Cloning, Agarose Gel Electrophoresis, DNA and RNA Estimations, PCR, Microbial Culture Techniques.

Immunology: Sandwich ELISA, Indirect ELISA, Dot Blot, Western Blot, FACS, Lymphocyte proliferation assay, Western Blot and PBMC isolation.

Mammalian cell Culture: Spleenocyte culture, isolation of peritoneal and spleen macrophages, Isolation of B and T cells. MCF-7, HeLa, SiHa, CasKi, C33a and other cancerous cell lines maintenance.

Animal handling: Mice, rabbit, and Guinea pig handling.

RESEARCH PROJECT IN M. SC (DURATION TWO SEMESTERS)

Dissertation Title: . “Effect of Dietary Omega-3 and omega-6 Polyunsaturated fatty acids on Brain metabolism: Under pathophysiologic conditions.

Department of Biochemistry, Faculty of Life Science, Aligarh Muslim University, Aligarh, India .

HONORS AND AWARDS

Title	Year	Society
ASRB (NET)	2015	Agricultural Scientist Research Board, New Delhi
DST-Young Scientist	2014	Department of Science & Technology, New Delhi
International Travel Grant	2013	Department of Science & Technology, New Delhi
International Travel Grant	2013	Immunological Foundation, New Delhi
Ph.D. Fellowship	2007-2009	University Grant Commission, New Delhi
M.Sc. Scholarship	2002-2004	Washington DC (USA)
B.Sc. Scholarship	2000-2002	North California (USA)
B.Sc. Scholarship	1999-2000	Bharat Sewa Trust, New Delhi

RESEARCH WORK PRESENTED IN INTERNATIONAL CONFERENCES

- **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Immunogenicity of Peroxynitrite-Modified H1 Histone and Its Implications in Systemic Lupus Erythematosus.** Congress International conference, Controversies in Rheumatology and Autoimmunity (CORA) 2013, **Budapest, Hungary**, April 04-06th, 2013.

RESEARCH WORK PRESENTED AT CONFERENCES IN NATIONAL & INTERNATIONAL

1. **Md. Asad Khan** and M. Moshahid A Rizvi. Characterization of chrysin loaded chitosan nanoparticles and effect on proliferation in lung cancer cell. National conference on recent development in biomedical, Unani and Ayurvedic translational research & darjer side of rampant use of lead basrd products, 11-12 March 2019, Department of Biochemistry, J.N. Medical College, AMU, Aligarh, U.P. India (**Oral Presentation**).
2. **Md. Asad Khan***, Md. Zafaryab, S. H. Mehdi & M. M. A. Rizvi. **Characterization and anti-proliferative effect of carboplatin loaded chitosan nanoparticles for the breast cancer**

treatment. 5th International Conference on Nanomedicine and Tissue Engineering, 12-14 October 2018, Mahatma Gandhi University, Kottayam. Kerala, India (**Invited Talk**).

3. **Md. Asad Khan**, Md. Zafaryab, Syed Hassan Mehdi, Zafar Iqbal, M.Moshahid A. Rizvi. **Characterization and application of Curcumin loaded Chitosan Nanoparticles in Cancer therapy. Recent trends in Nanotechnology in Biomedical Drug Research**, HIPER-2017 from 25th- 26th Feb 2017, HIPER, Hamirpur, H.P. (**Oral Presentation**)
4. Syed Hassan Mehdi, Md. Zafaryab, **Md. Asad Khan**, Sana Nafeez, Irfan Ahmad, Zumair Bin Hafiz, M. Moshahid A. Rizvi. **Chrysin enhances TRAIL-induced Apoptosis in Human Lung Carcinoma cell. Recent trends in Nanotechnology in Biomedical Drug Research**, HIPER-2017 from 25th- 26th Feb 2017, HIPER, Hamirpur, H.P.
5. **Md. Asad Khan**, Md. Zafaryab, Syed Hassan Mehdi, Zafar Iqbal, M.Moshahid A. Rizvi. **Curcumin loaded PLGA-nanoparticles and cytotoxic effects in cervical cancer.** Proc. of the **Intl. Conf. on Nanotechnology for Better Living, 2016**, NBL-2016 from 25th- 29th May 2016, NIT Srinagar. (**Oral Presentation**)
6. Syed Hassan Mehdi, Md. Zafaryab, **Md. Asad Khan**, Zumair Bin Hafiz, Zafar Iqbal, M.Moshahid A. Rizvi. **In vitro apoptotic potential of chrysin on TRAIL/TNF- α sensitizes human lung cancer cells.** Proc. of the **Intl. Conf. on Nanotechnology for Better Living, 2016**, NBL-2016, Vol. 3, No. 1, p. 140 , doi:10.3850/978-981-09-7519-7nbl16-rps-140 from 25th- 29th May 2016, NIT Srinagar.
7. **M. Asad Khan**, Kiran Dixit and Khursheed Alam **Effect of Peroxynitrite Modification on Structure and Immunogenicity of H1 Histone.** International Conference On Advance In The Free Radicals, Redox Signaling And Translational Antioxidant Research \$ XII Meeting Of Society For The Free Radical Research, CSIR-IITR, Lucknow, January 30-February 1st, 2013
8. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Epitopes of peroxynitrite- modified H2A histone are better substrate for SLE autoantibodies binding.** National Symposium on Advances in Clinical Biochemistry, Biomarkers, Molecular Diagnosis and Quality Assurances & 1st U.P Chapter of Association of Clinical Biochemists of India which was held at Department of Biochemistry, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh, November 15-16th, 2008. (**Oral Presentation**)
9. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Profile of glycated-DNA autoantibodies in diabetes mellitus: A correlation with glycosylated haemoglobin** National Symposium on Advances in Clinical Biochemistry, Biomarkers, Molecular Diagnosis and Quality Assurances & 1st U.P Chapter of Association of Clinical Biochemists of India which was held at Department of Biochemistry, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh, November 15-16th, 2008.
10. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Epitopes of of nitrated-histones are better substrate for SLE autoantibodies.** International Conference on “*Free Radicals & Natural Products in Health*” (FRNPH-2008) and ‘Seventh Annual Meeting of the Society of Free Radical Research-India’ organized by University of Rajasthan, Jaipur, February 14-16th, 2008.
11. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Effect of nitration on the structure of histone H2A and H2B by peroxynitrite.** International Conference on *Free Radicals and Antioxidants in Human Health, Gene Regulation and Signal Transduction* and satellite Meeting of the Society of Free Radical Research-India (SFRR)’ organized by Department of Biochemistry, AIIMS, New Delhi, February 11-12th, 2008.
12. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Possible Role of Nitrated-H2A in Systemic Lupus Erythematosus and Rheumatoid Arthritis.** 1st National Annual meeting held in Department of Biochemistry, F/o Life Science, A.M.U., Aligarh, March 5th, 2008.

13. **M. Asad Khan**, Kiran Dixit, Khursheed Alam. **Immunogenicity of nitrated histone and its role in etiopathogenesis of SLE**. International symposium on the predictive, preventive and mechanistic mutagenesis & XXXIII EMSI annual meeting, held in Aligarh Muslim University, Aligarh, January 01-03rd, 2008.
14. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **Anti-3-nitrotyrosine antibodies in Rheumatoid Arthritis: A correlation with disease activity**. Scientific paper presentation in 23th National Conference of Indian Rheumatology Association held in Khajuraho, Madhya Pradesh, October 26-29th, 2007. Abstract published in **Indian J. Rheumatol.** ISSN: 0973-3698, 2, No 3, (Suppl), S5. (**Oral Presentation**)
15. **M. Asad Khan**, Kiran Dixit and Khursheed Alam. **In vitro modification of histones by peroxynitrite: A study on structural changes and tyrosine nitration**. 75th SBC meeting, held in J.N.U., New Delhi, December 8-11th, 2006.

WORKSHOPS AND TRAINING ATTENDED IN INDIA

- **Workshop on DNA Nanoarchitecture** at Centre for Interdisciplinary Research in Basic Science, Jamia Millia Islamia, New Delhi, February 20– 28th 2017.
- One day **Flow Cytometry** Hands on Training programme conducted by BD Biosciences on 20th Oct 2016 at Jamia Hamdard New Delhi, India
- **Workshop on Molecular Endocrinology Techniques** at Department of Endocrinology, Dr. ALM PG Institute of Basic Medical Science Taramani Campus, University of Madras, Chennai-600113, January 19– 05th February, 2015.
- **Workshop on Introduction to Bio-Medical Informatics** at Bio-Medical Informatics Centre, Department of Biophysics, All India Institute of Medical Sciences, New Delhi, April 27– 30th, 2011.
- Short term training course on “**Hands on training course on Use of Cell Culture Technology for Studying Apoptosis and Angiogenesis**” at Department of Biotechnology, University of Mysore, Mysore, January 24 -31st, 2011.
- Short term training program on **Transformation and Molecular Characterization of Medicinal Plant and Animals** organized by Department of Biotechnology, at Jamia Hamdard University, New Delhi, December 16- 21st, 2010.
- **Genomic analysis** workshop: In Bioinformatics in Interdisciplinary Biotechnology Building (Sponsored by DBT), A. M. U., Aligarh, February 24-25th, 2007.
- **AIDS** workshop (Organized by Ibne-sina Academy), Aligarh, December 1st, 2006.

MEMBERSHIP

- ❖ **Society for Biological Chemistry**
- ❖ **Society for Free Radical**
- ❖ **Indian Association for Immunological Society**

COMPUTER KNOWLEDGE

Microsoft word, Power Point, Microsoft Excel, Adobe Photoshop, BLAST ,Primer designing, Sigma plot

Language Skills: English, Urdu and Hindi

PERSONAL

Father's name: Mr. Md Zulfaquar Khan
Date of Birth: 06th January 1979
Gender: Male,
Marital status: Married
Permanent address: At- Kabirpur, Po/Ps Nathnagar

District- Bhagalpur, 812006, (Bihar), Nationality: Indian

ACADEMIC REFEREES

1. **Prof. Khursheed Alam** (Professor)
Department of Biochemistry, J. N. Medical College,
Faculty of Medicine, AMU, Aligarh, 202002, India.
Email: kalam786@rediffmail.com
2. **Prof. Moshahid Alam Rizvi** (Professor)
Department of Biosciences,
Jamia Millia Islamia, New Delhi 110025, India.
Email: rizvi_ma@yahoo.com
3. **Dr. Gulam Waris** (Assistant Professor)
Rosalind Franklin University,
Department of Microbiology and Immunology Facilities
Room 2.349, Telephone (847) 578-3000 x7774
E-mail: gulam.waris@rosalindfranklin.edu

Place New Delhi

(Md. Asad Khan)