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## EDUCATION

### Ph.D. Biochemistry

Jawaharlal Nehru Medical College, Aligarh Muslim University, India

### M. Sc. Biotechnology

University of Madras, India

### B. Sc. in Chemistry and Biology

University of Kashmir, India

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## PUBLICATIONS

1. **Mir AR**, Habib S, Moinuddin. Recent Advances in Histone Glycation: Emerging role in Diabetes and Cancer. *Glycobiology (Oxford)*. 2020. doi: 10.1093/glycob/cwab011
2. Rizwee MM, Abidi M, Habib S, **Mir AR**, Ali A, Moinuddin. Characterization of glyoxal modified LDL: Role in the generation of circulating autoantibodies in type 2 diabetes mellitus and coronary artery disease. *Current Drug Targets* 2020. doi: 10.2174/1389450122666210114123959.
3. Glycooxidation of LDL Generates Cytotoxic Adducts and Elicits Humoral Response in Type 2 Diabetes Mellitus. Abidi M, **Mir AR**, Khan F, Ali A, Uddin M. *Glycobiology (Oxford)*. 2020 Aug 8:cwaa077. doi: 10.1093/glycob/cwaa077
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6. Unsaturated aldehyde, 4-hydroxynonenal (HNE) alters the structural integrity of HSA with consequences in the immuno-pathology of rheumatoid arthritis. Khan F, Moinuddin, **Mir AR**, Islam S, Abidi M, Husain MA, Khan RH. *Int J Biol Macromol*. 2018 Jun;112:306-314. doi: 10.1016/j.ijbiomac.2018.01.188.

7. Structural and immunological characterization of hydroxyl radical modified human IgG: Clinical correlation in rheumatoid arthritis.  
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8. Glycation, oxidation and glycooxidation of IgG: a biophysical, biochemical, immunological and hematological study.  
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9. Studies on glycooxidatively modified human IgG: Implications in immuno-pathology of type 2 diabetes mellitus.  
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Int J Biol Macromol. 2017 Nov;104(Pt A):19-29. doi: 10.1016/j.ijbiomac.2017.05.190.
10. Neo-Epitopes Generated on Hydroxyl Radical Modified Glycated IgG Have Role in Immunopathology of Diabetes Type 2.  
Islam S, **Mir AR**, Raghav A, Khan F, Alam K, Ali A, Uddin M.  
PLoS One. 2017 Jan 3;12(1):e0169099. doi: 10.1371/journal.pone.0169099.
11. Scanning Electron Microscopic Analysis of Glycated Histone H2B.  
**Mir AR**\*.  
Curr Trends Biomedical Eng & Biosci. 2017; 4(2): CTBEB.MS.ID.5555631. doi: 10.19080/CTBEB.2017.04.5555631
12. Amorphous aggregate adducts of linker histone H1 turn highly immunologic in the cancers of oesophagus, stomach, gall bladder and ovary.  
**Mir AR**, Moinuddin, Habib S.  
Int J Biol Macromol. 2017 Mar;96:507-517. doi: 10.1016/j.ijbiomac.2016.12.060.
13. Identification of Genes Coding Aminoglycoside Modifying Enzymes in E. coli of UTI Patients in India.  
**Mir AR**, Bashir Y, Dar FA, Sekhar M.  
ScientificWorldJournal. 2016;2016:1875865. doi: 10.1155/2016/1875865.
14. Neo-epitopes on methylglyoxal modified human serum albumin lead to aggressive autoimmune response in diabetes.  
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15. Immunochemical studies on HNE-modified HSA: Anti-HNE-HSA antibodies as a probe for HNE damaged albumin in SLE.  
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17. Histone glycooxidation and its role in Cancer autoimmunity.  
**Mir AR\***, Moinuddin.  
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18. Structural changes in histone H2A by methylglyoxal generate highly immunogenic amorphous aggregates with implications in auto-immune response in cancer.  
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19. Dicarbonyl Induced Structural Perturbations Make Histone H1 Highly Immunogenic and Generate an Auto-Immune Response in Cancer.  
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**Mir AR**, Moinuddin.  
Clin Chim Acta. 2015 Oct 23;450:25-30. doi: 10.1016/j.cca.2015.07.029.
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**Mir AR\***, Bashir Yasir.  
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22. Methylglyoxal mediated conformational changes in histone H2A-generation of carboxyethylated advanced glycation end products.  
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23. Peroxynitrite modified DNA presents better epitopes for anti-DNA autoantibodies in diabetes type 1 patients.  
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24. Role of early glycation Amadori products of lysine-rich proteins in the production of autoantibodies in diabetes type 2 patients.  
Ansari NA, Moinuddin, **Mir AR**, Habib S, Alam K, Ali A, Khan RH.  
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(Signed)

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