

1. Usma Manzoor, Ishfaq Bashir Hajam, Tanveer Ali Dar. Osmolyte-specific counteraction of ethanol-induced aggregation and structure-function distortion of catalase, *Journal of Molecular Liquids*, 2024; 124506
2. SS Wani, H Qadri, AH Shah, TA Dar. Dual Antifungal and Antiproliferative Activities of a Novel Protein Fraction from a Medicinally Important Herb *Trillium govanianum* Wall. ex. D. Don. *Applied Biochemistry and Biotechnology*, 2023, 1-19
3. H Sharma, TA Dar, YS Wijayasinghe, D Sahoo, NK Poddar. Nano-osmolyte conjugation: Tailoring the osmolyte-protein interactions at the nanoscale *ACS omega* (2023) 8 (50), 47367 - 47379
4. Mohd Younus Bhat, Irfan Mir, Laishram Rajendrakumar Singh, Mahboobul Hussain, Tanveer Ali Dar. Trehalose promotes structural disorderness of intrinsically disordered casein proteins with enhanced chaperone function, *Journal of Molecular Liquids* (2023) 385; 122270
5. MY Bhat, IA Mir, M Ul Hussain, LR Singh, TA Dar. Urea ameliorates trimethylamine N-oxide-Induced aggregation of intrinsically disordered α -casein protein: the other side of the urea-methylamine counteraction, *J. Biomol. Str. and Dyn.* (2023), 41 (8): 36593666
6. Fasil A., Usma M., Reshmee B., Aniket K.B., Kempohalli SC, Laishram RS, Suma MS, Vladimir U, Tanveer AD. Brain Metabolite, Myo-inositol, Inhibits Catalase Activity: A Mechanism of the Distortion of the Antioxidant Defense System in Alzheimer's disease, *ACS omega* (2022), 7 (15): 12690-12700
7. Fasil A., Usma M., Faez IK, Dakun L, Md Khurshid AK, Chandrashekharaiyah KS, Laishram RS, Tanveer AD. Effect of polyol osmolytes on the structure-function integrity and aggregation propensity of catalase: A comprehensive study based on spectroscopic and molecular dynamic simulation measurements, *Int. J. Biol. Macro.* (2022) 209, 198-210
8. Ilyas A., Wijayasinghe YS., Khan I., Samaloty NM., Adnan M., Dar TA., Poddar NK., Singh LR., Sharma H., Khan S. Implications of TMAO and betaine in human health: Beyond being chemical chaperones, *Frontiers in Molecular Biosciences* (2022), 818
9. Adeel Malik, Nitin Mahajan, Tanveer Ali Dar, Chang-Bae Kim, C10Pred: A First Machine Learning Based Tool to Predict C10 Family Cysteine Peptidases Using Sequence-Derived Features, *International Journal of Molecular Sciences* (2022), 23(17); 9518
10. Mashooq Ahmad Dar, Syed Mudasir Ahmad, Basharat A Bhat, Tanveer Ali Dar, Zulfqar ul Haq, Basharat A Wani, Nadeem Shabir, Zahid Amin Kashoo, Riaz Ahmad Shah, Nazir A Ganai and Mohammad Heidari, Comparative RNA-Seq analysis reveals insights in *Salmonella* disease resistance of chicken; and database development as resource for gene expression in poultry, *Genomics*, (2022) 114(5); 110475
11. K Kumari, M Warepam, AK Bansal, TA Dar, VN Uversky, LR Singh. The gut metabolite, trimethylamine N-oxide inhibits protein folding by affecting cis–trans isomerization and induces cell cycle arrest, *Cellular and Molecular Life Sciences* (2022) 79 (1), 1-16
12. M Manzoor, SM Zargar, P Akhter, U Urwat, R Mahajan, SA Bhat, TA Dar. Morphological, Biochemical, and Proteomic Studies Revealed Impact of Fe and P Crosstalk on Root Development in *Phaseolus vulgaris* L. *Applied Biochemistry and Biotechnology* (2021) 193 (12), 3898-3914

13. A Kumawat, S Raheem, F Ali, TA Dar, S Chakrabarty, MA Rizvi Organoselenium Compounds as Acetylcholinesterase Inhibitors: Evidence and Mechanism of Mixed Inhibition. *The Journal of Physical Chemistry B* (2021) 125 (6), 1531-1541
14. GS Sharma, S Krishna, S Khan, TA Dar, KA Khan, LR Singh Protecting thermodynamic stability of protein: The basic paradigm against stress and unfolded protein response by osmolytes. *International Journal of Biological Macromolecules* (2021) 177; 229 -240
15. MY Bhat, MA Malik, LR Singh, TA Dar Trimethylamine N-oxide alters structurefunction integrity of β -casein: Structural disorder co-regulates the aggregation propensity and chaperone activity. *International Journal of Biological Macromolecules* (2021) 182, 921-930
16. Bhat SA, Ahmad SM, Ibeagha-Awemu EM, Mobashir M, Dar MA, Mumtaz PT, Shah RA, Dar TA, Shabir N, Bhat HF, Ganai NA Comparative milk proteome analysis of Kashmiri and Jersey cattle identifies differential expression of key proteins involved in immune system regulation and milk quality, *BMC genomics* (2020), 21 (1), 1-10
17. MY Bhat, LR Singh, TA Dar (2020) Taurine induces an ordered but functionally inactive conformation in intrinsically Disordered casein proteins, *Scientific reports* 10 (1), 1-11
18. MA Rather, TA Dar, LR Singh, GM Rather, Bhat MA. Structural-functional integrity of lysozyme in imidazolium based surface active ionic liquids, *International Journal of Biological Macromolecules* (2020) 156: 271-279
19. Manzoor U, Dar TA. Protein kinases as regulators of osmolyte accumulation under stress conditions: An overview. *Frontiers in Bioscience* (2020) 25, 1386-1411
20. SS Wani, PA Dar, SM Zargar, Dar TA. Therapeutic Potential of Medicinal Plant Proteins: Present Status and Future Perspectives. *Current Protein & Peptide Science* (2020) 21(5):443-487
21. PA Dar, SA Mir, JA Bhat, A Hamid, LR Singh, F Malik, Dar TA. An anti-cancerous protein fraction from *Withania somnifera* induces ROS-dependent mitochondriamediated apoptosis in human MDA-MB-231 breast cancer cells *Int. J. of Biol. Macro.* (2019) 135:77-87
22. Nancy G, Zargar SM, Salgotra RK, Dar TA. Identification of drought stress-responsive proteins in common bean. *Journal of Proteins & Proteomics* (2019) DOI: 10.1007/s42485-019-00005-x
23. Dar MA, Urwat U, Ahmad SM, Ahmad R, Kashoo ZA, Dar TA, Bhat SA, Mumtaz PT, Shabir N, Shah RA, Heidari M. Gene expression and antibody response in chicken against *Salmonella Typhimurium* challenge. *Poultry Science* (2019) 98(5):2008-2013
24. Nissar S, Sameer AS, Rasool R, Chowdri NA, **Rashid F**. Promoter methylation and Ile105Val polymorphism of GSTP1 gene in modulation of colorectal cancer risk in ethnic kashmiri population. ***Indian Journal of cancer***, 56; 248-53; **2019**.
25. Sairish A, Mudassir N, Shayeq R, **Rashid F**, Amin S. Hyperandrogenism in Polycystic ovarian syndrome and role of CYP gene variants: A review. ***Egyptian Journal of Medical Human Genetics***. 20.25., **2019**.
26. Douhath S, Ganie MA, Jeelani S, Mudassar S, Shah ZA, Zargar MA, Amin S, Wani IA & **Rashid. F**. Effect of six-month use of oral contraceptive pills on plasminogen activator inhibitor-1 & factor VIII among women with polycystic ovary syndrome: An observational

- pilot study. **Ind J Med Res.** 148 (7), 151-155, **2018**.
27. Jeelani H, Ganie. MA, Amin S, Fatima S, Ashaq I K , Manzoor S, Parvez T , Dar NA, **Rashid F.** Effect of Paraoxonase1 (PON1) gene polymorphisms on PON1 activity, HDL, LDL and MDA levels in women with polycystic ovary syndrome (PCOS): A case-control study. **Meta Gene**, 20,100552, **2019**.
 28. Humira Jeelani, Mohd Ashraf Ganie, Akbar Masood, Shajrul Amin, Iram Ashaq Kawa, Qudsia Fatima, Saika Manzoor, Tabasum Parvez, Niyaz Ahmad Naikoo, **Fouzia Rashid.** Assessment of PON1 activity and circulating TF levels in relation to BMI, testosterone, HOMA-IR, HDL-C, LDL-C, CHO, SOD activity and TAC in women with PCOS: An observational study. **Diabetes & Metabolic Syndrome: Clinical Research & Reviews** 13 (2019) 2907-2915.
 29. Ashaq I K, Masood A, Ganie MA, Fatima Q, Jeelani H, Manzoor S, Rizvi SM, Muzamil M, **Rashid F.** Bisphenol A (BPA) acts as an endocrine disruptor in women with Polycystic Ovary Syndrome: Hormonal and metabolic evaluation. **Obesity Medicine.** 14, 2451-8476, **2019**.
 30. Fatima Q, Amin S, Kawa IA, Jeelani J, Manzoor S, Rizvi SM, **Rashid F.** Evaluation of antioxidant defense markers in relation to hormonal and insulin parameters in women with polycystic ovary syndrome (PCOS): A case-control study. **Diabetes & Metabolic Syndrome: Clinical Research & Reviews.** 13, 1957-1961, 2019.
 31. Rashid R, Geer MI, Verma SK, Rashid F and Ganaie A. Evaluation of prescription pattern and compliance in Kashmiri women with Polycystic Ovarian Syndrome. **Journal of Drug Delivery and Therapeutics.** 9(3), 379-383, **2019**.
 32. Rasool SUA, Ashraf S, Nabi M, **Rashid F,** Fazili KM, Amin S. Elevated fasting insulin is associated with cardiovascular and metabolic risk in women with polycystic ovary syndrome. **Diabetes & metabolic syndrome: Clinical Research & Reviews.** 13(3), 20982105, **2019**.
 33. Rasool SUA, Ashraf S, Nabi M., **Rashid F,** Masoodi SR, Fazili KM. and Amin S. Insulin gene VNTR class III allele is a risk factor for insulin resistance in Kashmiri women with polycystic ovary syndrome. **Meta Gene.** 100597, **2019**.
 34. Saika Manzoor, Mohd Ashraf Ganie, Shajrul Amin, Zaffar A Shah, Imtiyaz A Bhat, S. Douhath Yousuf, Humira Jeelani, Iram A Kawa, Qudsia Fatima & **Fouzia Rashid.** Oral contraceptive use increases risk of inflammatory and coagulatory disorders in women with Polycystic Ovarian Syndrome: An observational study. **Scientific Reports.** 9,10182, **2019**.
 35. Sairish Ashraf, Shayaq Ul Abeer Rasool, Mudasar Nabi, Mohd Ashraf Ganie, Farhat Jabeen, **Fouzia Rashid & Shajrul Amin.** CYP17 gene polymorphic sequence variation is associated with hyperandrogenism in Kashmiri women with polycystic ovarian syndrome. **Gynecological Endocrinology.** **2020.** DOI: 10.1080/09513590.2020.1770724.
 36. Jasiya Qadir, Sabhiya Majid, Mosin S. Khan, **Fouzia Rashid,** Mumtaz Din Wani, Inshah Din, Haamid Bashir. AT-rich Interaction Domain 1A Gene Variations: Genetic Associations and Susceptibility to Gastric Cancer Risk. **Pathology & Oncology Research.** **2020.** PMID: 3237798
 37. Saika Manzoor, Mohd A. Ganie, Sabhiya Majid, Iram Shabir , Iram A. Kawa, Qudsia Fatima, Humira Jeelani, Syed Douhath Yousuf, **Fouzia Rashid.** Analysis of Intrinsic and Extrinsic Coagulation Pathway Factors in OCP Treated PCOS Women. **Ind J Clin Biochem.** volume 36, pages 278–287 (**2021**).
 38. Humira Jeelani, Nahida Tabassum, Dil Afroze, **Fouzia Rashid.** Association of Paraoxonase1 enzyme and its genetic single nucleotide polymorphisms with cardio-metabolic and neurodegenerative diseases. <https://doi.org/10.1016/j.genrep.2020.100775>. **Gene Reports.**

20(6):100775, 2020.

39. Iram A, Masood A, Fatima Q, Mir S, Jeelani H, Manzoor S and **Rashid F**. Endocrine disrupting chemical Bisphenol A and its effects on female health. March 2021, **Diabetes and Metabolic Syndrome Clinical Research and Reviews** 15 (6) DOI: 10.1016/j.dsx.2021.03.031
40. Wazir S, Zargar MA, Iram A, Manzoor S, Muzammil M and **Rashid F**, High prevalence of Metabolic Syndrome in Kashmir (India) Adult population: Time to Intervene, *Annals of R.S.C.B.*, ISSN: 1583-6258, Vol. 25, Issue 4, 2021, Pages. 14863 – 14877.
41. Wazir S, Zargar MA, Muzammil M and **Rashid F**, Hematological parameters as a risk for developing Metabolic syndrome in adult population of Kashmir (India), © 2021 **Archives of Medicine and Health Sciences** | Published by Wolters Kluwer – Medknow.
42. Qadir J, Majid S, Khan MS, **Rashid F**, Wani MD, Bhat SA. Implications of ARID1A undercurrents and PDL1, TP53 overexpression in Advanced Gastric cancer. **Pathol Oncol Res.** 2021 Dec 3; 27:1609826.
43. Din I, Majid S, Rashid F, Wani MD, Qadir J, Wani H, Fareed M. Mitochondrial uncoupling protein 2 (UCP2) gene polymorphism – 866 G/A in the promoter region is associated with type 2 diabetes mellitus among Kashmiri population of Northern India. **Mol Biol Rep.** 2022
44. Douhath S Y, Ganie MA, Mudassar S, Humiara S, Ibrahim S, Humira J, RashidG, Zargar MA, **Rashid F**. Association of -675 4G/5G PAI-1 and -2518A/G MCP-1 genetic polymorphisms with polycystic ovary syndrome in Kashmiri women: A case control study. **J Family Med Prim Care** 2022; 11:4743-52.
45. Syed Douhath, M Ashraf Ganie, Uneeb Urwat, Syed Mudasir Andrabi, M Afzal Zargar, Mashooq A Dar, Mir Manzoor-ul-Rehman, Syed Mudassar and **Fouzia Rashid**. Oral contraceptive pill (OCP) treatment alters the gene expression of intercellular adhesion molecule-1 (ICAM-1), tumor necrosis factor- α (TNF- α), monocyte chemoattractant protein-1 (MCP-1) and plasminogen activator inhibitor-1 (PAI-1) in polycystic ovary syndrome (PCOS) women compared to drug-naive PCOS women. **BMC Women's Health.** 2023, 23:68.