

Publications:

1. **Dar, M. A.**, Wahiduzzaman, Haque, M. A., Hassan, M. I., Ahmad, F., Islam, A (2016) Characterisation of Molten Globule like State of Sheep Serum Albumin at Physiological pH. *International Journal of Biological Macromolecules* **89**, 605-613.
2. **Dar M. A.**, Wahiduzzaman, Hassan MI, Islam A and Ahmad F (2014) Purification and Characterization of Calreticulin: A Ca²⁺-binding Chaperone from Sheep Kidney. *Applied Biochemistry and Biotechnology* **174(5):1771-83**.
3. Wahiduzzaman, **Dar, M. A.**, Haque, M. A., Idrees, D., Hassan, M. I., Asimul Islam and Ahmad, F. (2016) Purification, preliminary X-ray crystallography and biophysical studies of triose phosphate isomerase and its complex with β -globin subunit from sheep kidney. *International Journal of Biological Macromolecules* doi: 10.1016/j.ijbiomac.2016.10.070
4. Wahiduzzaman, **Dar, M. A.**, Haque, M. A., Hassan, M. I., Ahmad, F., Islam, A (2016) Characterization of folding intermediates during urea-induced denaturation of human carbonic anhydrase II. *International Journal of Biological Macromolecules* doi:10.1016/j.ijbiomac.2016.10.073
5. Amir, M., Haque, M. A., Wahiduzzaman, **Dar, M. A.**, Islam, A., Ahmad, F. and Hassan, M. I. (2015). Purification and characterization of oligonucleotide binding (OB)-fold protein from medicinal plant *Tinospora cordifolia*, *J Chromatography B* **1008: 38-44**.
6. Amir, M., **Dar, M. A.**, Wahiduzzaman, Islam, A., Ahmad, F. and Hassan, M. I. (2016) Purification and characterization of RGA2, a Rho2 GTPase-activating protein from *Tinospora cordifolia*. *3 Biotech* **6:85**.
7. Amir, M., Wahiduzzaman, **Dar, M. A.**, Haque, M. A., Islam, A., Ahmad, F. and Hassan, M. I. (2016). Purification and characterization of Ras related protein, Rab5a from *Tinospora cordifolia*. *International Journal of Biological Macromolecules*, **82**, 471-479.
8. **Dar, M. A.**, Islam, A., Hassan, M. I., and Ahmad, F. (2016) Effect of Mammalian Kidney Osmolytes on the Folding Pathway of Sheep Serum Albumin (Communicated to *IJBM*).

PROCEEDINGS PUBLISHED IN CONFERENCES

1. **Dar MA**, Hassan, M. I, and Ahmad, F. (2011) *Analysis of Protein Expression Profiles in Human Kidney: A Systematic Approach for Determination of Osmoregulatory Mechanism*. Journal of Natural Science, Biology and Medicine | Vol 2 | Issue 2(Suppl) | Jul-Dec 2011
2. **Dar MA**, Wahiduzzaman, Hassan, and M. I, Ahmad, F. (2012). *Proteomics Analysis of Renal Medulla and Its Role in Cellular Osmoregulation*: Journal of proteins and proteomics, 3(2), 42.
3. **Dar MA**, Wahiduzzaman, Asimul Islam, Hassan, M. I, Ahmad, F. (2013). *Purification and characterization of calreticulin, a Ca^{+2} -binding molecular chaperone from mammalian kidney*: Journal of proteins and proteomics, 4(2), 59.
4. **Dar MA**, Wahiduzzaman, Asimul Islam, Hassan, M. I, and Ahmad, F., (2014). *Purification and characterization of calreticulin, a Ca^{+2} -binding molecular chaperone from mammalian kidney*: The second international symposium on protein folding and dynamics, NCBS Bangalore November 05-07, 2014.
5. **Dar MA**, Wahiduzzaman, Md. Anzarul Haque, Asimul Islam, Hassan, M. I, and Ahmad, F., *Purification and structural characterization of intermediate state of sheep serum albumin induced by urea*: National conference on Interdisciplinary Approaches in Chemical Sciences-2015
6. **Dar MA**, Wahiduzzaman, Mohd. Amir, Asimul Islam, Hassan, M. I and Ahmad, F., (2015). *H2AX a Novel Biomarker for DNA Double-strand Breaks: Purification and Characterization from Mammalian Kidney*: *Journal of Proteins and Proteomics*, 6(1), 57.
7. **Dar MA**, Wahiduzzaman, Mohd. Amir, Asimul Islam, Hassan, M. I and Ahmad, F., (2014). *Calreticulin, a Ca^{+2} -binding molecular chaperone: Its purification and characterization from mammalian kidney*: National Conference on Recent Trends in Molecular Virology, organized by Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi in December 16-18, 2013.
8. Wahiduzzaman, **Dar MA**, Mohd. Amir, Asimul Islam, Hassan, M. I and Ahmad, F., (2015). *Purification of Triose Phosphate Isomerase and its Complex with Globin like β - subunit from Sheep Kidney*: *Journal of Proteins and Proteomics*, 6(1), 136.
9. Mohd. Amir, Wahiduzzaman, **Dar MA**, Asimul Islam, Hassan, M. I and Ahmad, F., (2015). *Isolation, purification and Characterization of cathepsin B from sheep kidney*: *Journal of Proteins and Proteomics*, 6(1), 59.
10. Wahiduzzaman, **Dar MA**, Asimul Islam, Hassan, M. I and Ahmad, F. *Purification and crystallization of triose phosphate isomerase complex with hemoglobin β -subunit from sheep kidney*. National conference on Interdisciplinary Approaches in Chemical Sciences-2015
11. Mohd. Amir, Wahiduzzaman, **Dar MA**, Asimul Islam, Hassan, M. I and Ahmad, F. *Purification and Characterization of Novel Oligonucleotide Binding Fold (OB-fold) Protein*. National conference on Interdisciplinary Approaches in Chemical Sciences-2015