

Publications:

1. Chakraborty M, Bhattacharya S, **Mishra R**, Saha SS, Bhattacharjee P, Dhar P, Mishra R. Combination of low dose major n3 PUFAs in fresh water mussel lipid is an alternative of EPA-DHA supplementation in inflammatory conditions of arthritis and LPS stimulated macrophages. *PharmaNutrition* 2015; 3 (2): 67-75.
2. Ghosh S, **Mishra R**, Chakraborty I, Sarkar D. Developing the morphological scale of RBC population from membrane roughness data obtained from atomic force microscopy. *ScienceJet* 2015; 4: 176
3. **Mishra R**, Sarkar D, Bhattacharya S, Mallick S, Chakraborty M, Mukherjee D, Kar M, Mishra R. Quantifying morphological alteration of RBC population from light scattering data. *ClinHemorheolMicrocirc* 2015; 59: 287-300.
4. Ghosh S, **Mishra R**, Sarkar D, Mishra R, Mukherjee DC. The use of artificial neural network (ANN) for rapid quantification of morphological alteration of red blood cell. *J Indian ChemSoc* 2014 Aug; 91 (8): 1601-1610.
5. Mukherjee D, **Mishra R**, Chakraborty M, Mukherjee P, Kar M, Mishra R. Evaluation of Carbonyl stress as the principal etiological factor of protein damage in chronic renal failure patients on maintenance hemodialysis. *Indian Journal of Physiology and Allied Sciences* 2013 Apr; 67 (2): 59-65. (ISSN 0367-8350)
6. Chakraborty I, **Mishra R**, Gachhui R, Kar M. Distortion of β globin chain of haemoglobin alters the pathway of erythrocytic glucose metabolism, through band 3 protein. *Arch Med Res* 2012 Feb; 43(2):112-116.
7. Chakraborty M, Bhattacharya S, **Mishra R**, Mukherjee D, Mishra R. Antioxidant content and activity of the Indian fresh water pearl mussel in prevention of arthritis in experimental animal model. *Br J Nutr* 2012 Oct 28; 108(8):1346-1350.
8. Das P, Mukhopadhyay A, Mandal S, Pal BC, **Mishra R**, Mukherjee D, Mukhopadhyay S, Basak J, Kar M. In vitro studies of iron chelation activity of purified active ingredients extracted from *Triticumaestivum* Linn (Wheat grass). *European J Med Plants* 2012; 2(2): 113-124.
9. Mandal S, Das P, Das A, Mandal D.N., Ghosh A, Mukherjee D, **Mishra R**, Kar M. Evaluation of antioxidant activity of the polyoxygenated xanthenes from *Swertiachirata* Buch.Ham. *The Scientific Temper* 2011 Jan-July; Vol. 2: No.1&2 : 77-80

Accepted Paper:

1. Chakraborty A, Bose CK, Basak J, Seb AN, **Mishra R**, Mukhopadhyay A. Determinants of lymph node status in women with breast cancer: A hospital based study from eastern India. *Indian J Med Sci* 2015. (Manuscript no.: IJMR_527_14)

Communicated Paper:

1. Ghosh S, Chakraborty I, Chakraborty M, **Mishra R**[#], Sarkar D[#]. Evaluating the morphology of erythrocyte population: Evaluating the morphology of erythrocyte population: An approach based on atomic force microscopy and flow cytometry. 2015. *BiochimBiophysActa (Biomembranes)*, (Manuscript no. BBAMEM-15-265R1) (Under Review). (# Joint Corresponding Author).
2. Mukhopadhyay P, Mukherjee D, Mishra R, Mishra R, Kar M. Snakebite mediated acute kidney injury, Prognostic predictors, Oxidative and Carbonyl stress - A Prospective Study. *Indian J Nephrol* (Manuscript no.: IJN_93_15) (Under Review).

Conference Proceedings:

Full Papers:

1. Ghosh S, Sarkar D, **Mishra R**, Chakraborty I. Developing the morphological scale of RBC population from membrane roughness data obtained from Atomic Force Microscopy. ICNT-2015 2nd International Conference on Nanotechnology (ISBN: 978-81-927756-2-3). 2015: p- 473-480.

2. **Mishra R**, ZinnaMd A, Syamal AK, Sen D: Ergonomic Evaluation of Classroom of Different Schools of Kolkata. In Chapter XI- Ergonomics in school, *Ergonomics for Everyone*, Ed. S. Gangopadhyay (ISBN: 978-81-910303-0-3).2009: p-685-691.
3. **Mishra R**, Dhabal S, Syamal AK, Sen D: Static Sitting Anthropometric Characteristics of 11-16 Year Aged Bengali Male Students Living In Kolkata. In Chapter XI- Ergonomics in school, *Ergonomics for Everyone*, Ed. S. Gangopadhyay (ISBN: 978-81-910303-0-3). 2009: p-706-714.
4. Zarrin Z, **Mishra R**, Bhar P, Syamal AK, Sen D: Evaluation of Mismatch Between Body Dimension of Pre And Post Pubertal Female Students And Classroom Furniture. In Chapter XI- Ergonomics in school, *Ergonomics for Everyone*, Ed. S. Gangopadhyay (ISBN: 978-81-910303-0-3).2009: p-725-730.

Abstracts:

Invited/Oral Lecture:

1. **Mishra R***, Som T. Neonatal Screening: An Experience with Glucose-6-Phosphate Dehydrogenase Deficiency. FIPSPHYSICON2015. (*- Corresponding Author) (Invited Lecture)
2. **Mishra R**, Mukherjee D, Nasim F, Mishra R. Importance of hematological profile as the first-line laboratory investigation in the assessment of toxicity. ICMSP: Closing Ceremony, 2015.
3. **Mishra R**, Mukherjee D, Mukherjee P, Mishra R, Kar M. Snake-bite mediated acute kidney injury: is it a hemolytic uremic syndrome? International Conference on Frontiers in Biological Researchs, 2012. Pg-58.

Poster Session:

1. Nasim F, Das S, Mishra R, **Mishra R***. Involvement of T- Lymphocytes in Experimental Animal Model of Venom Induced Nephrotoxicity. FIPSPHYSICON2015. (*- Corresponding Author)
2. Chatterjee S, Roychowdhury P, Ganguly S, Chatterjee S, Sarkar R, Banerjee J, **Mishra R***. Noninvasive measurement of kyphosis and lordosis among college students. FIPSPHYSICON2015. (*- Corresponding Author).
3. Ganguly S, Chatterjee S, Roychowdhury P, Chatterjee S, Sarkar R, Banerjee J, **Mishra R***. Body composition analysis of college students using Bioelectric Impedance analysis monitor. FIPSPHYSICON2015. (*- Corresponding Author).
4. Roychowdhury P, Ganguly S, Chatterjee S, Sarkar R, Banerjee J, **Mishra R**, Chatterjee S. Comparison of some physiological parameters of deep sea fishermen of coastal area of West Bengal and Orissa. FIPSPHYSICON2015.
5. Nasim F, Bose M, Das S, Mishra R, **Mishra R***. Viper venom: Immunesuppressor or activator? ICMSP: Closing Ceremony, 2015. (*- Corresponding Author)
6. Mukherjee D, **Mishra R**, Mukhopadhyay P, Mishra R. Protein modification in Snake bite induced nephrotoxicity. ICMSP: Closing Ceremony, 2015.
7. **Mishra R**, Mukherjee D, Kar M, Mishra R, Mukhopadhyay P. An insight into the stressful life of erythrocyte in snake-bite induced acute kidney injury. 45th Indian Society of Nephrology Conference, 2014.
8. Mukherjee D, **Mishra R**, Kar M, Mishra R, Mukhopadhyay P. Customizing early prognostic markers of Tropical Nephropathy: Thinking beyond creatinine. 45th Indian Society of Nephrology Conference, 2014.
9. **Mishra R**, Mukherjee D, Mukhopadhyay P, Kar M, Mishra R. Erythrocyte membrane characterization in Snake-bite induced acute kidney injury. TSICon2014, PP-30
10. Mukherjee D, **Mishra R**, Mukhopadhyay P, Kar M, Mishra R. Carnosine ameliorates venom induced acute kidney injury in experimental rat model. TSICon2014, PP-4.
11. **Mishra R**, Mukherjee D, Mukhopadhyay P, Kar M, Mishra R. Biophysical characterisation of erythrocytes in snakebite mediated acute kidney injury. 100th Session of Indian Science Congress, 2013. pg-211.
12. Mukherjee D, **Mishra R**, Mukhopadhyay P, Mishra R, Kar M. Effect of haemodialysis on inflammatory and protein modification markers in snake-bite mediated acute renal failure. 100th Session of Indian Science Congress, 2013. pg-214.
13. **Mishra R**, Sarkar D, Bhattacharya S, Mallick S, Chakraborty M, Mukherjee D, Kar M, Mishra R. Rapid quantification of morphological alteration of erythrocyte population by flow cytometry. 5th Annual Meeting of The Cytometry Society, India, Kolkata, 2012. pg-43-44.

14. **Mishra R**, Mukherjee D, Bhattacharya S, Das P, Mukhopadhyay P, Mishra R, Kar M. Hemoglobin modification in snakebite mediated acute kidney injury. 99th Session of Indian Science Congress, 2012. Pg-138
15. Mukherjee D, **Mishra R**, Chakraborty M, Das P, Mukhopadhyay P, Mishra R, Kar M. Snakebite mediated acute kidney injury: in search of prognostic markers. 99th Session of Indian Science Congress, 2012. pg-137
16. Bose M, **Mishra R**, Mukherjee D, Mishra R. Effect of flavonoids on cancer stem cells: a new challenge posed by a new paradigm. CME cum Workshop on stem Cell Therapy and Research, 2011. Pg-30
17. Mukhopadhyay P, Mukherjee D, **Mishra R**, Kar M. Carbonyl Stress Induced Protein Modification in Snake-Bite Mediated Acute Renal Failure –A Pathogenesis Link. ASN Kidney Week 2011 Annual Meeting, 2011.
18. **Mishra R**, Mukherjee D, ChkrabortyM, Bhattacharya S, Chakraborty M, Mishra R, Kar M. Erythrocyte morphological alteration in Snake-bite mediated acute kidney injury. International Conference on Molecules to Systems Physiology: 100 Years Journey 2011. Pg-162.
19. Mukherjee D, **Mishra R**, Chakraborty M, Bhattacharya S, Mishra R, Kar M. Protein modification in Snake bite mediated acute kidney injury. International Conference on Molecules to Systems Physiology: 100 Years Journey 2011. Pg-150.
20. Chakraborty M, Bhattacharya S, Bose M, **Mishra R**, Mukherjee D, Mishra R. Analgesic and anti inflammatory activity of Indian fresh water pearl mussel (*Lammelidensmarginais*) extract. International Conference on Molecules to Systems Physiology: 100 Years Journey 2011. Pg-158.