

2. Keshari R. S, Jyoti A, Bogra J, Barthwal M. K, Dikshit, M. NETs formation in SIRS patients: role of cytokines and nitric oxide.

#### **Abstracts Published in the Proceedings of National/International Conferences**

1. Jyoti A, Saluja R, Chatterjee M, Kumar S, Singh A, Verma A, Barthwal M. K. and Dikshit M. nNOS isoform expression, catalytic activity and sub-cellular distribution in human neutrophils. 79th meeting of Society of Biological chemists (India); 13th-15th December 2010, held at Indian Institute of Science, Bangalore.
2. Keshari R. S, Jyoti A, Kumar S, Kothari N, Bogra J, Verma A, Barthwal M. K and Dikshit M. NO donor induced neutrophil extracellular traps formation: Implications for the inflammatory disease conditions, paper presented at 79th meeting of Society of Biological chemists (India), 13th-15th December 2010, held at Indian Institute of Science, Bangalore.
3. Prakash P, Khanna V, Jyoti A, Singh V, Jain M, Barthwal M K and Dikshit M. Long term fructose enriched diet feeding aggravates myocardial reperfusion injury and is ameliorated by atorvastatin treatment in rats. World Heart Failure Society Congress, 5th-7th, February 2010, PGIMER, Chandigarh.
4. Jyoti A, Saluja R, Kumar S, Chatterjee M, Verma A, Barthwal MK, Bajpai V K and Dikshit M. Molecular, biochemical characterization and localization of neuronal nitric oxide synthase in human neutrophil. *FASEB J.* 24 (2010) 984.17 (IF – 6.7).
5. Keshari R. S, Kumar S, Jyoti A, Patel S, Barthwal M. K, Verma A, Bajpai V. K, and Dikshit M Role of p38 MAPK in PMA-induced NETs release from human neutrophils. *FASEB J.* 2010 24: 984.19 (IF – 6.7).
6. Jyoti A, Saluja R, Kumar S, Chatterjee M, Verma A, Barthwal M. K and Dikshit M. Expression, biochemical and localization study of nitric oxide synthase in human neutrophil: effects on nitric oxide production. International Conference on Advances in Free Radical Research, Natural Products, Antioxidants and Radioprotectors in Health, 11th-13th, January 2010, University of Hyderabad, Hyderabad.
7. Keshari R S, Kumar S, Jyoti A, Patel S, Barthwal M.K., Verma A., Bajpai V.K and Dikshit M. PMA induced neutrophil extracellular traps release is mediated by p38 MAPK activation. International Conference on Advances in Free Radical Research, Natural Products, Antioxidants and Radioprotectors in Health, 11th-13th, January 2010, University of Hyderabad, Hyderabad.
8. Jyoti A, Keshari RS, Kumar S, Patel S, Srinag BS, Verma A, Barthwal MK, Krishnamurthy H, Bajpai VK, and Dikshit M. Nitric oxide dependent increase in

free radical generation mediates release of extracellular traps from human neutrophils. *FASEB J.* 2009 23:890.10 (IF – 6.7).

9. **Jyoti A.**, Kumar S, Keshari R. S, Verma A, Barthwal M. K and Dikshit M. Nitric oxide dependent free radical generation in human neutrophils: Role of NOS, NADPH Oxidase and MPO derived radicals, *Advances in Free Radical Research*, 19th -21st February, 2009, at Lucknow, INDIA
10. Patel S, **Jyoti A.**, Kumar S, Verma A, Barthwal M..K and Dikshit M. Mechanisms involved in nitric oxide induced free radical generation by human neutrophils, *Free radicals & Natural Products in Health (Society of Free Radical Research)*, 14th -16th February, 2008, at Jaipur, INDIA
11. Keshari R. S, **Jyoti A.**, Barthwal M.K and Dikshit M., Augmentation of the nitric oxide synthase and free radical generation among infiltrated neutrophils during inflammation in the rat, *Free radicals & Natural Products in Health (Society of Free Radical Research)*, 14th -16th February, 2008, at Jaipur, INDIA.

### **Honors/Awards**

1. Recipient of “**Best oral presentation award in life sciences**” in **CDRI Diamond Jubilee lecture series, 2011** at CDRI, Lucknow.
2. Recipient of “**PANDE-RATH**” prize in the basic flow cytometry course conducted by **The Cytometry Society of India** at National Centre for Biological Sciences, Bangalore from 1<sup>st</sup>-4<sup>th</sup> may 2008.

