




INSTITUTE OF HOME ECONOMICS
UNIVERSITY OF DELHI



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| Name | Dr. Savita Bansal | Photograph |
| Designation | Assistant Professor |  |
| E-mail | Savita.bansal@ihe.du.ac.in | |
| Educational Qualifications: | | |
| <ul style="list-style-type: none">• Ph.D in Medical Biochemistry on topic entitled “Studies on the role of advanced glycation end products (AGEs) and polymorphism of receptors for AGEs in the development of macrovascular complications in type-2 diabetic patients” Department of Biochemistry, University College of Medical Sciences (UCMS), Delhi, University of Delhi.• M.Sc. Biochemistry (1st division) from Jamia MilliaIslamia, New Delhi.• B.Sc. Environmental sciences (1st division) from Ramjas College, Delhi University.• XIIth (CBSE)(1st division) K.V.N.F.C. VigyanVihar, Delhi.• Xth (CBSE) (1st division) K.V.N.F.C. VigyanVihar, Delhi. | | |
| Teaching experience: Six years | | |
| Subjects/Papers Taught: Biomolecules, Cell Biology, Proteins, Molecules of Life, Gene organization replication and repair, Gene expression and regulation, Advanced Cell Biology, Nutritional Biochemistry, Forensic Sciences | | |
| Awards received | | |
| <ul style="list-style-type: none">• Awarded UGC Post Doctoral Fellowship for woman [Ref No.F15-1/2015-17/pdfwm-2015-17-DEL-38083 (SA-11), Year 2015-2016]• CSIR-JRF-NET Qualified (Ref No:20-6/2008(ii) EU-IV, Dec.2008), | | |
| Research Interest/Specialization | | |
| <ul style="list-style-type: none">• Biochemistry• Cell Biology• Molecular Biology• Immunology | | |
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| Research papers since 2010 (APA format) | | |

1. Zafar Iqbal Bhat, Bupender Kumar, **Savita Bansal**, Afreen Naseem, Raj, Ranjan Tiwari, Khushnuma Wahabi, G.D.Sharma, M. Moshahid Alam Rizvi. Association of PARK2 promoter polymorphisms and methylation with colorectal cancer in North Indian population. **Gene**. **2019; 682: 25-32.**
2. Taruna Kumari, Meenakshi Vachher, **Savita Bansal**, Rameshwar N.K. Bamezai, Bhupender Kumar. Meta-analysis of mitochondrial T16189C polymorphism for cancer and Type 2 diabetes risk. **Clinica Chimica Acta**. **2018; 482: 136-143**
3. Bhupender Kumar, Zafar Iqbal Bhat, **Savita Bansal**, Sunil Saini , Afreen, Naseem, Khushnuma Wahabi, Archana Burman, Geeta Trilok Kumar, Sundeep Singh Saluja, M Moshahid Alam Rizvi. Association of mitochondrial copy number variation and T16189C polymorphism with colorectal cancer in North Indian population. **Tumour Biol**. **2017; 39(11): 1-7.**
4. Diwesh Chawla, **Savita Bansal**, Basu Dev Banerjee, Sri Venkata Madhu, Om Prakash Kalra, Ashok Kumar Tripathi. Role of advanced glycation end product (AGE)-induced receptor (RAGE) expression in diabetic vascular complications. **Microvascular Research** **2014; 95: 1-6.**
5. Ashok K. Tripathi, Diwesh Chawla, **Savita Bansal**, Basu D. Banerjee, S. V. Madhu. Association of RAGE gene polymorphism with vascular complications in Indian type 2 diabetes mellitus patients. **Diabetes Research and Clinical Practice**. **2014; 103: 474-481.**
6. **Savita Bansal**, Diwesh Chawla, Basu Dev Banerjee, Sri Venkata Madhu, Ashok Kumar Tripathi. Association of RAGE gene polymorphism with circulating AGEs level and paraoxonase activity in relation to macrovascular complications in Indian type 2 diabetes mellitus patients. **Gene** **2013; 526: 325-330.**
7. **Savita Bansal**, Diwesh Chawla, Manushi Siddarth, Basu D. Banerjee, S. V. Madhu, Ashok K. Tripathi. A study on serum advanced glycation end products and its association with oxidative stress and paraoxonase activity in type 2 diabetic patients with vascular complications. **Clinical Biochemistry** **2013; 46: 109-114.**
8. **Savita Bansal**, Manushi Siddarth, Diwesh Chawla, Basu D. Banerjee, S. V. Madhu, Ashok K. Tripathi. Advanced glycation end products enhance reactive oxygen and nitrogen species generation in neutrophils *in vitro*. **Mol Cell Biochem** **2012; 361:289-296.**
9. Manushi Siddharth, Sudip K. Datta, **Savita Bansal**, Mohammad Mustafa, Basu D. Banerjee, Om P. Kalra, and Ashok K. Tripathi. Study on Organochlorine Pesticide Levels in Chronic Kidney Disease Patients: Association with Estimated Glomerular Filtration Rate and Oxidative Stress. **J Biochem Molecular Toxicology** **2012; 26 (6): 241-247.**

Book chapters published/edited

- **Savita Bansal**, Pawan K Kare, Ashok Kumar Tripathi, Sri Venkata Madhu. Advanced Glycation End Products: A potential Contributor of Oxidative Stress for Cardio-Vascular Problems in Diabetes. **Oxidative Stress in Heart Diseases (Springer Nature Publisher**, Editor(s) name(s): Prof. Sajal Chakraborti, Prof. Naranjan S Dhalla, Chapter 20. Page: 437-460. ISBN 978-981-13-8273-4, **2019**
- Pawan K. Kare, Rishila Ghosh, **Savita Bansal**, , Basu Dev Banerjee, Om Prakash Kalra and Ashok K. Tripathi. Advanced glycation end products-Mediated Consequences in Diabetic Nephropathy. **Advances in Medicine and Biology (NOVA Publisher)**, volume 135, page 207-221, **2018.**
- **Savita Bansal**, Pawan K. Kare, Ashok K. Tripathi, S. V. Madhu. Advanced glycation end products: formation, metabolism and role in diabetic vascular complication. **Advances in Medicine and Biology (NOVA Publisher)**, volume 119, page 81-110, **2017.**

Association with Professional Societies

Society of Immunology

Any other

Oral presentation:

- **Savita Bansal**, R Ghosh, D. Chawla, M. Siddarth, D. Malhotra, R. S Ahmed, B. D Banerjee, S V Madhu*, A. K Tripathi. Advanced glycation end products induce reactive species generation, DNA damage and apoptosis in peripheral blood mononuclear cells in vitro in proceedings of **41th Annual Conference of Research Society for the Study of Diabetes in India (RSSDI)**, November 8-13, 2013, Page no. 23-24, India Expo Centre, Greater Noida, India.

Poster presentation:

- **Savita Bansal**, Diwesh Chawla, Manushi Siddarth, Rafat S Ahmed, Basu D. Banerjee, S. V. Madhu, Ashok K. Tripathi. "Inflammatory Response in type 2 diabetes mellitus: Role of Advanced Glycation End Products" in proceedings of 39th Annual Conference of **Indian Immunology Society**, November 15-17, 2013.
- **Savita Bansal**, Manushi Siddarth, Diwesh Chawla, Dipti Malhotra, Rafat S Ahmed, Basu D Banerjee, S V Madhu*, Ashok K Tripathi. "**Association of RAGE gene Polymorphisms with circulating AGEs level and Paraoxonase activity in relation to development of macro-vascular complications in type 2 diabetes mellitus patients**" in proceedings of **International Symposium on developmental & complex disorders & 38th Annual Conference of the Indian Society of Human Genetics: Genomics and Community Health**, December 9-11, 2012, Page no. 137, BHU, Varanasi, India.
- **Savita Bansal**, Manushi Siddarth, Diwesh Chawla, Dipti Malhotra, Rafat S Ahmed, Basu D Banerjee, S V Madhu*, Ashok K Tripathi. "**Advanced Glycation End Products-A Potential Contributor of Oxidative Stress by Priming Neutrophils in Diabetes**" in proceedings of **11th Annual Conference of Society for Free Radical Research-India and International Conference on "Emerging Trends in Free Radicals, Antioxidants and nutraceuticals on Health, Disease and Radiation Biology"**, Jan 12-14, 2012, Kolkata, India.