

	Name		Dr. Seema Kalra
	Designation		Assistant Professor (Sr.)
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EDUCATIONAL QUALIFICATIONS			
Degree	Year	Institute/University	
PhD	2000	Panjab University, Chandigarh	
MSc (Hons.) Biochemistry	1995	Panjab University, Chandigarh	
BSc (Hons.) Biochemistry	1993	Panjab University, Chandigarh	
Post Graduate Diploma in Bioinformatics	2009	Sikkim Manipal University	
Post Graduate Diploma in Distance Education	2012	Indira Gandhi National Open University, New Delhi	
CAREER PROFILE			
Teaching Experiences:			
<ul style="list-style-type: none"> • School of Sciences, Discipline of Biochemistry, IGNOU, New Delhi: Jun 2011- continuing • Faculty of Applied Sciences, Manav Rachna International University, Faridabad: Jul 2009-Jun 2011 • Discipline of Bioinformatics, DAV College, Chandigarh: Jul 2007- Apr 2009 			
AREA OF INTEREST/SPECIALIZATION			
<ul style="list-style-type: none"> • Nutritional Biochemistry • Molecular basis of inflammation and cancer • Bioinformatics approach for identification of disease markers • Gastrointestinal physiology 			
ROLE AND RESPONSIBILITIES AT IGNOU			
<ul style="list-style-type: none"> • Design and development of courses of study in biochemistry • Coordination and maintenance of courses being developed by discipline of biochemistry • Writing self learning material • Evaluation and other exam related activities related to maintenance of programs of study in SOS • Dissemination of knowledge by participation in live programs through Gyan Vani and Gyan Darshan • Preparation of audio-video programs as supplementary material to SLM 			

<ul style="list-style-type: none"> • Teaching pre PhD courses for scholars enrolled in Biochemistry • Research Guidance 			
RESEARCH GUIDANCE			
Supervision of	Year of completion	Name	Ph. D. Topic
<p>Books/Monographs (Authored/Edited)/ Book Chapter/ Lecture Notes : 01</p> <p>Papers in Refereed/Peer reviewed Journals : 10</p> <p>(1) Publications in International Journals: : 07</p> <p>(2) Publications in National Journals: : 03</p> <p>(3) Papers in Conference Proceedings : 01</p> <p>(4) Other Publications :</p>			
Publications:			
<p>1. Neeraj Vats, Jaswant Singh, Seema Kalra(2012) Extubation outcome after spontaneous breathing trials with T-tube or pressure support ventilation . <i>Indian Journal of Physiotherapy & Occupational Therapy</i>. 6 (2): 86-89.</p> <p>2. Ahuja R, Yammani R, Bauer JA, Kalra S, Seetharam S, Seetharam B. Interactions of cubilin with megalin and the product of the amnionless gene (AMN): Effect on its stability. <i>Biochem J</i>. 2008 Mar 1;410(2):301-8.</p> <p>3. Kalra S, Ahuja R, Mutti E, Veber D, Seetharam S, Scalabriono G, Seetharam B. (2007) Cobalamin mediated regulation of Transcobalamin receptor levels in rat organs. <i>Arch Biochem Biophys</i>. 463: 128-32</p> <p>4. Bose S, Kalra S, Yammani RR, Ahuja R, Seetharam B. (2007) Plasma membrane delivery, endocytosis and turnover of transcobalamin-receptor in polarized human intestinal epithelial cells. <i>J Physiol</i>. 581 (Pt 2): 457-66</p> <p>5. Kalra S, Li N, Yammani RR, Seetharam S, Seetharam B. (2004) Cobalamin (vitamin B12) binding, phylogeny, and synteny of human transcobalamin. <i>Arch Biochem Biophys</i>. 431(2): 189-96</p> <p>6. Kalra S, Seetharam S, Yammani RR, Seetharam B.(2004) Rat transcobalamin: cloning and regulation of mRNA expression. <i>J Physiol</i>. 556(Pt 2): 623-35</p> <p>7. Kalra S, Li N, Seetharam S, Alpers DH, Seetharam B. (2003) Function and stability of human transcobalamin II: role of intramoleculardisulfide bonds C98-C291 and C147-C187. <i>Am J Physiol Cell Physiol</i>. 285(1): C150-60</p> <p>8. Kalra S, Mahmood S, Nagpaul JP, Mahmood A. (2002) Changes in the chemical composition of surfactant- like particles secreted by rat small intestine in response to different dietary fats. <i>Lipids</i> 37(5): 463-68</p> <p>9. Kumar S, Mahmood S, Nagpaul JP, Mahmood A. (2001) Formation of surfactant- like- particles in rat intestine following chronic ethanol feeding. <i>Indian J Exp Biol</i>. Aug 39(8): 767- 71</p> <p>10. Raheja G, Gill RK, Kumar S, Mahmood S, Mahmood A. (1998) Effect of sodium on Saccharomyces cerevisiae invertase activity. <i>Indian J Exp Biol</i>. May 36(5): 493- 96</p>			
CONFERENCES/SEMINARS/WORKSHOPS ORGANISED/PARTICIPATED			
A. Conferences/Seminars/Workshops organised			: 01
B. Conferences/Seminars/Workshops participated/ Attended			: 15
C. Paper Presented In Seminar / Conferences			: 06
RESEARCH PROJECTS			

Sponsoring Agency	Period	Grant	Project Title	P. I. / Co- Investigator(s)
HONOURS/AWARDS/DISTINCTIONS				
<ul style="list-style-type: none"> • CSIR NET JRF • CSIR SRF 				
PROFESSIONAL ASSOCIATIONS				
<ul style="list-style-type: none"> • Member of Nutrition Society of India • Member of American Gastroenterology Association • Member of The Indian Science Congress association • Member of Biotechnology Society of India 				