



Bhaskaracharya College of Applied Sciences (University of Delhi)

Sector II, Phase I, Dwarka, New Delhi – 110075

FACULTY PROFILE

Title	Dr	First Name	Inderbir	Last Name	Kaur	Photograph
Designation		Associate Professor				
Department		Electronics				
Address (College)		Department of Electronics Bhaskaracharya College of Applied Sciences University of Delhi, Sector-2, Phase 1, Dwarka New Delhi – 110075				
Contact Details		919810681129				
Fax (College)		011-25081015				
Email Id		Inderbir.kaur@bcas.du.ac.in				
Educational Qualification		Subject	Institution			
Ph.D		Electronics	Department of Electronics, University of Delhi South Campus			
M.Sc.		Physics (with specialization Electronics)	Department of Physics, University of Delhi			
Research Interests/ Specialization						
<ul style="list-style-type: none"> • Green Energy • Renewable energy Resources • Amorphous semiconductors 						

Teaching Interest			
<ul style="list-style-type: none"> • Digital Electronics and VHDL • Operational Amplifiers • Instrumentation Electronics • Neural Networks 			
Achievements/Patents			
Published one books titled “Digital Electronics Laboratory Manual” (ISBN NO.978-81-8487-489-1), Narosa Publications			
Publications (Last Five Years)			
Year of Publication	Title	Journal	Authors
2016	An approach for Electricity Generation using Microbial Fuel Cell Technology: A Green Energy Initiative	Journal of Energy Research and Environmental Technology, Vol 3(2), 2016	Dr. Inderbir Kaur, Dr. Geeta Mongia Mr. Pawan Kumar
2015	A Short Review on Microbial Fuel Cell Technology and A Proposed approach for Generation of Electricity using Waste Water Treatment	International journal of Scientific Research and Development, IJSRD/Conf NCIL/2015/002,9-11.	Verma,G., Singh, Y., Kumari, A., Sabharwal, N., Agarwal, A., Mongia, G., Kaur, I.
Conference Publications			
2016	“Art of uplifting the scope of Microbial Fuel Cell: A Green Energy Initiative” at India International Science Festival (IISF), held at National Physics Laboratory (NPL) , New Delhi, from 7 -11 December, 2016, published in Abstract-Proceeding of IISF, pg-186.	Published in abstract proceedings of IISF, pg-186.	Kumar, P., Kaur, I., Marwah, G., and Avinashi., K.
2016	Poster presentation titled “Clean electricity generation from sewage samples using microbial fuel technology: a green energy initiative” at Innovation conclave held at ANDC University of Delhi,25-26 October, 2016.		Dr.Inderbir Kasur, Dr.Ruchi,G. Marwah et al.
2016	“An approach for enhancing the performance of microbial fuel cell: A green energy initiative” (Poster presentation) at the International Conference on Advances in Nano Materials and Nanotechnology, held at Jamia Milia Islamia University, Nov. 4-5 , 2016	Published abstract in proceedings of the conference,pg 218.	Dr., Geeta Mongia,Dr. Ruchi.G.Marwah <i>et al.</i>
2015	“Algae : Power plants of Future”, in UGC	Paper published in	Dr. Geeta Mongia,

	sponsored national conference on Recent trends in Instrumentation and Electronics (RTIE-2015), Jan. 5-6, 2015 held at Shaheed Rajguru college of Applied Sciences for women, University of Delhi, New Delhi.	proceedings, pgs 38-39.	Dr.Ruchi.G.Marwah <i>et al.</i>
2015	“Bio-electricity production using Algae- A Brighter Road Ahead...” in UGC sponsored National Conference on Striving and Thriving towards diffusion of student-driven research in science and technology for inspired learning, October 16-17, 2014 at Maharaja Agrasen College, University of Delhi, New Delhi	Paper published in proceedings pgs 64-68.	Dr. Geeta Mongia, Dr.Ruchi.G.Marwah <i>et al.</i>
2015	“Bio-Photovoltaics (BPV) : Harnessing Green Energy for Future Technologies” in National Conference on Nanotechnology and Renewable Energy (NCNRE-14),April 28-29, 2014 organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi.	Abstract B44, pgs 645-647 published in proceedings of the conference.	Dr. Geeta Mongia,,Dr. Ruchi.G.Marwah <i>et al.</i>
Project (Minor/Major)			
<ul style="list-style-type: none"> • Clean Electricity Generation from Waste Water Samples Collected from Delhi- NCR using Microbial Fuel Cell Technology- A green energy initiative. This project was a joint venture of Department of Electronics and Department of Microbiology of Bhaskaracharya College of Applied Sciences. The project was under DU Innovation project scheme (Rs. 5 lakh). • Low Cost Electricity Generation using Bio-Photovoltaic Technology- a Green Energy Initiative. This project was a joint venture of Department of Electronics and Department of Microbiology of Bhaskaracharya College of Applied Sciences. The project was under DU Innovation project scheme (Rs. 5.50 lakh). 			
Any other information			
<ul style="list-style-type: none"> • Coordinator of National Workshop on “Printed Circuit Board Designing”. This was held in collaboration with Tevatron Technologies Pvt. Ltd. held during March 24-26,2015 at Bhaskaracharya College of Applied Sciences. • Coordinator of National Workshop on “VLSI designing using Verilog coding”. This was held in collaboration with JBT Tech India (VLSI Design Solutions and Project Training Company) held during July 16-18, 2013 at Bhaskaracharya College of Applied Sciences. Played key role as one of the two coordinators. • Member organizing committee of “National Conference on E-Waste Sustainability: Needs and Solutions for its Management. It was held on March 7-8, 2013, at Bhaskaracharya College of Applied Sciences. This workshop was in collaboration with GIZ-IGEP (Indo German Environment Partnership). • Co-Coordinator of workshop on “Experiments and Research Applications with National Instrument LabVIEW” held during February 2-3, 2012 at Bhaskaracharya College of Applied Sciences. 			