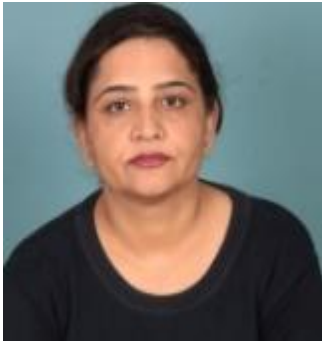




Bhaskaracharya College of Applied Sciences (University of Delhi)

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

FACULTY PROFILE

Title	DR.	First Name	RUCHI GULATI	Last Name	MARWAH	Photograph
Designation	ASSISTANT PROFESSOR					
Department	MICROBIOLOGY					
Address (College)	DEPARTMENT OF MICROBIOLOGY BHASKARACHARYA COLLEGE OF APPLIED SCIENCES UNIVERSITY OF DELHI SECTOR 2, PHASE 1, DWARKA NEW DELHI-110075					
Contact Details	220/3, SADAR BAZAR, DELHI CANTT., NEW DELHI 110010					
Fax (College)	011-25081015					
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Educational Qualification	Subject			Institution		
Ph.D	MICROBIOLOGY			DEPARTMENT OF MICROBIOLOGY, UNIVERSITY OF DELHI, SOUTH CAMPUS		
M.Sc.	MICROBIOLOGY			DEPARTMENT OF MICROBIOLOGY, UNIVERSITY OF DELHI, SOUTH CAMPUS		
Research Interests/ Specialization						
<ul style="list-style-type: none"> Green Energy and biofuels Production and purification of bio active metabolites Microbial diversity 						

Teaching Interest			
<ul style="list-style-type: none"> • Microbial physiology and metabolism • Biochemistry • Industrial microbiology • Medical Microbiology 			
Achievements/Patents			
<ul style="list-style-type: none"> • University medal for obtaining first rank in M. Sc. Microbiology in University of Delhi • Consolation award for the poster presented at the National Symposium on “Perspectives in Interfacial Areas of Chemistry and Biology” held at the Department of Chemistry, University of Delhi, in 1998. • Best poster award at the International Symposium on “Trends in Medicinal Chemistry and Biocatalysis” held at Department of Chemistry, University of Delhi, in 2000 • Best poster award at the International Conference on Microbial Biotechnology: Trade and Public Policy held at Department of Microbiology, Osmania University, Hyderabad, in 2000. 			
Publications (Last Five Years)			
Year of Publication	Title	Journal	Co-author/s
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.
2011	A novel downstream process for 1,3 propanediol from glycerol-based fermentation.	Applied Microbiology and Biotechnology, 90(4):1267-1276.	P. Anand and R. K. Saxena
Conference Publications/Presentations			
2016 (i)	“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.
(ii)	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.Geeta Mongia <i>et al.</i>

	(iii)	“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 Millia Islamia University, Nov. 4-5, 2016	Published abstract in proceedings of the conference, pg 218	Dr. Inderbir Kaur, Dr. Geeta Mongia <i>et al.</i>
2015	(i)	“Algae : Power plants of Future”, in UGC 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.	Paper published in proceedings, pgs 38-39.	Dr. Inderbir Kaur, Dr. Geeta Mongia <i>et al.</i>
	(ii)	“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. Inderbir Kaur, Dr. Geeta Mongia <i>et al.</i>
	(iii)	“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. Inderbir Kaur, Dr. Geeta Mongia <i>et al.</i>

Project (Minor/Major)

- **“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).**
- **“Biologically active antimicrobial secondary metabolites from endophytic fungi isolated from vegetable crops” from 1st August 2007 till 31st July 2010, under DST fast track scheme for young scientists. (Total cost 18.3 lakhs)**

Any other information

1. **Member of Organising committee and Resource Person** for organising INSPIRE camp (A DST, Govt. Of India programme) in the college for school students **(12-16 July, 2011)**.
2. **Coordinator for Annual Microbiology Festival, Microquest, 2013 under the aegis of Sukshmjeev Society of the Department of Microbiology.**
3. **Coordinator for Sukshmjeev Society Magazine titled Life under lens (First Issue, 2013)**
4. **Coordinator** for National Symposium on **“Infectious diseases : advancements in diagnosis, therapeutics and vaccines”** on 20th and 21st March, 2014.
5. **Coordinator** for A One Day workshop on **“Viral cultivation strategies”** on 8th September, 2014 under the aegis of Star College Scheme of the College.
6. **Coordinator** for A One day symposium on **“ Biofuels: an alternative and non-conventional energy source for future” on February 2, 2015**, under the aegis of Star college Scheme of the college.
7. **Coordinator** for A One day symposium on **“Antibiotic resistance: a major global threat”** on 16 March, 2016, under the aegis of Star college Scheme of the college.
8. **Coordinator for « A special issue of Life Under Lens on the theme « Antimicrobial Resistance : A Major Global Threat (2016) ».**
9. **Departmental Coordinator for Star College Scheme since October 2015 till date.**