Bhaskaracharya College of Applied Sciences
(University of Delhi)

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

FACULTY PROFILE

Title	**Dr**	**First Name**	**Anand**	**Last Name**	**Bharadvaja**	**Photograph**
Designation		**Associate Professor**				
Department		**Physics**				
Email Id		**anand.bharadvaja@bcas.du.ac.in**				

Educational Qualification	**Subject**	**Institution**
Ph.D	**Physics**	**University of Delhi**
M.Sc.	**Physics**	**University of Delhi**

Research Interests/ Specialization

Molecular Physics

Teaching Interest

not so specific

Publications (Last Five Years)

Year of Publication	**Title**	**Journal**	**Authors**
2015	*Electron-impact cross- sections of SiH_2 using the R-matrix Method* at low energy	Physical Review A	*Anand Bharadvaja, Savinder Kaur and K L Baluja*
2015	Extraction of Cellulose Micro Sheets from Rice Husk: *A Scalable Chemical Approach*	DU Journal of Undergraduate Research and Innovation	S. K. Shukla, Sagar, Naman, Deepika, Sundaram, Prateeksha, Ankur, Arun, Srishti, Vaishali, Rakesh, Rizwana,

2013	*Metal Decontamination from Chemically Modified Rice Husk Film*	Advanced *Material Letters*	Anand Bharadvaja and G. C. Dubey
2013	*Electron-impact study of PO_2 using the R-matrix Method*	Physical Review A	S. K. Shukla, Nidhi, Sudha, Pooja, Namrata, Charu, Akshay, Silvi, Manisha, Rizwana, Anand Bharadvaja and G. C. Dubey Anand Bharadvaja, Savinder Kaur and K L Baluja
2013	*Preparation and Characterization of Cellulose Derived from Rice Husk for Drug Delivery*	*Advanced Materials Letters*	S. K. Shukla, Nidhi, Sudha, Pooja, Namrata, Charu, Akshay, Silvi, Manisha, Rizwana, Anand Bharadvaja, G. C. Dubey, A Tiwary
2011	*Electron-impact study of S_3 using the R-matrix Method*	*Physical Review A*	Savinder Kaur Anand Bharadvaja, and K L Baluja

Conference Publications			
21st National Conference on Atomic and Molecular Physics	Hybrid Model to calculate electron-molecule cross sections from low to high energy for close shell molecules (accepted)	*3-7 January 2017, PRL Ahmedabad*	
International Conference on Materials Science & Technology	Electron Interactions in Plasma : A Tool for Technological Development	1-4, March 2016 Delhi University, Delhi, India	
Study of electron interaction with molecules in low energy limit using R-Matrix Formalism	International Topical Conference on "Charged Particle Collisions and Electronic Processes in Atoms, Molecules and Materials	Indian School of Mines, Dhanbad, India 9-11 January, 2016	
Development and Characterisation of Biocomposite film from rice husk and ita application for packaging cookies	*9th National Conference on "Solid State Chemistry and its Allied Areas*	May, 8-10, 2015, Delhi University, Delhi, India	
Efficient Metal removal from bioactive film developed from rice husk,	*"Advanced Material World Congress"* IZMIR, TURKEY	September 16-19, 2013	
Development of Hard Packaging Materials from Bagasse	International Conference on Advancement in Polymeric Materials APM-2013,	1st- 3rd March 2013, CIPET, Lucknow	
Project (Minor/Major)			

- Agro Waste based Green Nano- Composite: Development and Applications BCAS- 307 , 5 Lakhs 2015, University of Delhi
- Agro-Waste Material Management : From Waste to Wealth project Code BCAS-202. 2014 5.5 lakhs University of Delhi
- Development and Study of Alternate Packaging Materials from Agro Wastes and its Application in Food Packaging. Project code :BCAS-104. 10 Lakhs 2013 University of Delhi

Any other information

- ***Teaching Excellence Award for Innovation*** by the University of Delhi, 2015. It was shared with other Principal Investigators for project **"Agro-Waste Material Management: From *Waste to Wealth"***

- The poster on "**Development of Hard Packaging Materials from Bagasse"** at I*nternational Conference on Advancement in Polymeric Materials APM-2013,* 1st-3rd March 2013, Lucknow was selected as the best poster and was the first prize