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Name	Dr. Shiromani Sharma	Photograph
Designation	Associate Professor and Head	
Department	Chemistry	
Address (Campus)	Dev Nagri College, Meerut (Uttar Pradesh)	
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Education

Subject	Institution	Year	Details
Ph.D.	Indian Institute of Technology, New Delhi	1984	"Preparation and Properties of Thermoset Polyimides"
M.Sc.	Birla Institute of Technology and Science, Pilani	1973	Chemistry

Career Profile

Organization/Institution	Designation	Duration	Role
Dev Nagri College, Meerut	Associate Professor	1974-till date	Teaching Organic Chemistry at UG and P G levels

Research Interests / Specialization

Research Interests / Specialization:

- I submitted a dissertation and report of the project entitled "Separation of Uranium and Thorium over Amberlite IRA-400 and Amberlite IRA-401 resins" in the partial fulfillment of the requirements of the M.Sc. Degree at B.I.T.S. Pilani with Professor R. S. Rai, Department of Chemistry, B.I.T.S., Pilani (Rajasthan).
I joined I.I.T. Delhi for my Ph.D. programme in August 1981 under FIP scholarship of UGC with Professor

(Mrs.) I.K. Varma, Department of Chemistry and Centre for Materials Science and Technology. The topic of my Ph.D thesis was "Preparation and Properties of Thermoset Polyimides". The characterization of polyimides was done by spectral and other instrumental techniques. viz. NMR, IR, MASS, TGA, DSC,DMA, SEM etc. The preparation and property evaluation of glass fabric reinforced composites based on bismaleimdes was also carried out.			
Teaching Experience (Subject / Courses Taught)			
Organic Chemistry	Photochemistry	Polymer chemistry	Reaction mechanism
Research Supervision	Awarded	Submitted	Working
Ph.D.	03	-	-

Publications (since 2007)			
LIST OF PUBLICATIONS			
<ol style="list-style-type: none"> 1. Curing of Bismaleimides Pt. 1. Effect of amines on the curing behaviour and thermal stability, Shiromani Sharma and I.K.Varma European Polymer Journal Vol.20,No.11,pp. 1101-1105 (1984). 2. Curing of Bismaleimides Pt.3: Effect of structure on thermal behaviour of bis (amide-maleimide) Shiromani Sharma and Indra K. Varma September, pp. 1561-1565 (1985). 3. Glass Fabric Reinforced Bismaleimide composites: Effect of elastomer/reactive diluents on properties, Shiromani Sharma and Indra K.Varma Journal of Composite Materials Vol. 20, pp. 308-321 (May 1986). 4. Thermal behaviour of Bismaleimides, Shiromani Sharma and Indra K. Varma, Indian Journal of Technology, Vol.25, pp. 136-140 (March1987). 5. Synthesis of some new quinazolin-4(3H)-ones and their biological activities, Shiromani Sharma et.al International Journal of Physical Sciences, Vol. 20 (1) pp.05-16, (2008). 6. Enantiomerically pure α-methoxyaryl acetaldehydes as versatile precursors: a facile chemo-enzymatic methodology for their preparation, Shiromani Sharma Buddh Singh, Pankaj Gupta, Asha Chaubey, Rajinder Parshad, S.C. Taneja, Tetrahedron: Asymmetry Vol.19 (2008). 7. Studies on the Amidoximation of Polyacrylonitrile Films: Influence of Synthesis Condition Shiromani Sharma A. Mishra, , B.Gupta, Journal of Applied Polymer Science.,121, 2705-2709 (Sept. 2011). 			
SEMINARS/CONFERENCES			
<ol style="list-style-type: none"> 1. Curing of Bismaleimides, I.K.Verma and S. Sharma paper presented in 'National Seminar on <u>Recent Development in Polymer Science</u>', IIT Madras, Dec.1983. 2. Effect of amines on the curing behaviour and thermal stability of Bismaleimides I.K.Verma and S. Sharma et.al. Paper presented in 'International Seminar on <u>Matrix Resins for Composites</u> 'IIT, New Delhi, 1984. 			

3. Polymer blends: Vinyl ester resins and Bismaleimides, D.S.Verma, S. Sharma et.al. Paper presented in 'International Seminar on Matrix Resins for Composites 'IIT, New Delhi, 1984.
4. A. Mishra, K.Krishnanand, Anjali, S.Ikram, B.L. Deopura, B. Gupta, S.M. Sharma , Development of Carboxymethyl cellulose Based Nanosilver Hydrogels, **Poster Presentation** , National Seminar on Polymer Science & Technology-Vision & scenario, December 3, 2008, JMI , New Delhi , India.
5. A.Mishra, B.Gupta, S.M. Sharma , Development of Antimicrobial Acrylic Copolymers for Water Disinfection , **Poster Presentation** , Polymer Congress, on Polymer Science and technology : vision & Scenario , December 17-20 , 2009 , New Delhi, India.
6. S.M. Sharma , :Vyagyanic ththa Takniki Shabdawali Ayog Manav Sansadhan Vikas Mantralaya (Higher Education Department),January 29-30,2010, RK Puram , New Delhi , India.
7. A.Mishra , B.Gupta, S.M. Sharma , Antimicrobial Acrylic Copolymer , **Poster Presentation** , National conference on Recent Advance in Analytical Sciences and Application , April 12-14, 2010 , H.P. University , Shimla ,India.
8. B.L.Deopura , A.Mishra , S.M.Sharma , Water Aplenty : A Technology **Poster Presentation** , Open House Ceremony I² Tech, April 24 , 2010 , IIT Delhi, New Delhi, India .
9. A.Mishra, B.Gupta, S.M. Sharma, A Novel Class of Water Disinfectant Acrylic Materials, Poster Presentation, International Conference on Polymer Science and Engineering: Emerging Dimensions, Nov. 26-27, 2010. Punjab University, Chandigarh, India.
10. B.Gupta, S. Sharma: APA International Congress on Advances in Human Healthcare Systems Healthcare India 2012 February 20-23, 2012 New Delhi, India.

University Service / Consulting Activity:

- 1) Convenor, Chemistry, C.C.S. University, Meerut
- 2) Subject Expert for selection of lecturers in self financed colleges of C.C.S. University, Meerut
- 3) Question papers setter of UG and PG examinations of C.C.S. University, Meerut
- 4) Additional Superintendent (exams.) in the college
- 5) President, Teacher's Association of the college
- 6) Member of Industrial linkage cell in the college
- 7) Member of Talent Development cell

Interact regularly with industries and provide regular technical consultancy to M/s Sanjeevni Organics Pvt. Ltd, Meerut, M/s Sudha Solvents Pvt. Ltd. Meerut. M/s Paswara Petrochem Ltd.,

Meerut and M/s Ahmed Jurak Pvt. Ltd., Kolkata. The first two units manufacture various perfumery compounds like benzyl products, Ethyl Acetate, Di Ethyl Phthalate and other plasticizers. They isolate various perfumery products like Anethole, Linalol, Menthanone, Menthol, Geraniol etc. from essential oils. Lately they have also started azeotropic distillations to carry out separation of various mixtures of readily available pharmaceutical wastes. The second unit manufactures various grade of SBP liquids from naphtha. The SBP liquids find extensive use in rubber and thinner industries. They are isolating high boiling petroleum products by fraction distillation under vacuum from imported petroleum waste. They make base oil of requisite viscosity and flash point from waste oil. They are recovering glycerol from glycerol waste of bio-diesel. The third unit exports Hucca Tobacco to the Middle East.