



## Prof. Radha Tomar

Prof. Radha Tomar (born February 18, 1962) completed her B.Sc.(Hons.) Chemistry and M.Sc (Physical Chemistry) from Mumbai University in 1985 and obtained her M.Phil. and Ph.D degree from Jiwaji University, Gwalior in 1989. She has been awarded with Young Scientist Convention award of Indian Chemical Society, 1989. She joined Department of Higher Education in the Government college of M.P as Assistant Professor in January 1990 and as lecturer in School Of Studies in Chemistry, Jiwaji University, Gwalior in October 1993 and presently working as Professor in the same Department. She has completed many projects from DAE, UGC, MPCST and DRDO. She guided more than 20 students for Ph.D and M.Phil. degree. She has visited Italy to present a research paper in the International Clay Conference, 2009 and as an UGC Expert Committee Member for the approval of Deemed University, Private University, review of SAP programme & commonwealth fellowship / scholarship in the field of science and technology. She is life member of Professional Societies like AIEPA (USA), IANCAS-BARC (Mumbai), ITAS-BARC (Mumbai), ICS (Kolkata), etc. She has organized a number of conferences and workshops. She is member of board of studies of different institutions and academic activities. She is on the reviewer panel for a number of national and international journals such as Elsevier International Journal, USA, Springer – International Publisher Science, Journal of Indian Chemical society, Kolkata and Indian Journal of Chemistry, New Dehli. Her research interest lies broadly in the area of synthesis, characterization and application of Mesoporous, Microporous and nanomaterials. She has number of publications in this field and has published more than 30 reserch papers in National / International Journals.

### Selected Publications:

1. Synthesis and characterization of an analogue of heulandite: Sorption applications for thorium(IV), europium(III), samarium(II) and iron(III) recovery from aqueous waste. Pankaj Sharma, Gurpreet Singh and Radha Tomar, Journal of Colloid and Interface Science, 332 (2009) pp. 298-308
2. Synthesis and characterization and role of magnetite in Radionuclide Migration in the environment: Effect of humic acid. B.K.Singh, Aishwarya Jain, Sumit Kumar, B.S.Tomar, Radha Tomar, V.K.Manchanda and S. Ramanathan, Journal of Contaminant Hydrology, 106 (2009) pp. 144-149.
3. Biological and medicinal properties of grapes and their bioactive constituents. M. Yadav, A. Bhardwaj, S. Jain, R. Nagpal, M. Puniya, R Tomar, V. Singh, O. Parkash, G.B.K.S. Prasad, F. Marotta and H. Yadav, Journal of Medicinal Food, 12 (3) (2009) pp. 473-484.
4. Synthesis and morphological studies of nanocrystalline MOR type zeolite Material. Pankaj Sharma, P. Rajaram and Radha Tomar, Journal of Colloid and Interface Science, 325 (2008) pp. 547-557.
5. Synthesis and application of an analogue of mesolite for the removal of uranium (VI), thorium (IV), and europium (III) from aqueous waste. Pankaj Sharma and Radha Tomar, Microporous & Mesoporous Materials, 116 (2008) pp. 641- 652
6. Synthesis, Characterization and role of magnetite in Cs migration in environment: Effect of humic acid. B.K. Singh, Aishwarya Jain, Sumit Kumar, B.S.Tomar, Radha Tomar, V.K.Manchanda and S. Ramanathan, Journal of Applied Geochemistry, 10 (2A) (2008) pp. 507- 513.
7. Effect of temperature on sorption behavior of Sodium Potassium Fluorophlogopite for the heavy metal ions Cd<sup>2+</sup>, Hg<sup>2+</sup> and Pb<sup>2+</sup>. Radha Tomar, Dinesh Sharma, S. Verma & Pankaj Sharma, Russian Journal of Physical Chemistry, 82 (2007) pp.1-7.

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