

Curriculum Vitae of Yogesh Moreshwar Joshi

Date of Birth: 29 December, 1974

Address: Department of Chemical engineering,
Indian Institute of Technology Kanpur, Kanpur 208016. INDIA.
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Education: **Doctor of Philosophy (Ph.D.) in Chemical Engineering, (July, 2001)**, Indian Institute of Technology Bombay and National Chemical Laboratory, Pune India.

Bachelor of Engineering in Polymer Engineering, (July 1996), Pune University, India, First class with distinction.

Experience:

Organization	Period and Brief description	Position
Indian Institute of Technology-Kanpur, Kanpur 208016. India	May 2009 – till date	Associate Professor
Indian Institute of Technology-Kanpur, Kanpur 208016. India	July 2004 – May 2009	Assistant Professor
Benjamin Levich Institute New York, NY. USA.	September 2001 – March 2004 (Post-Doctoral Fellowship)	Research Associate
National Chemical Laboratory Homi Bhabha Road, Pune 411008. India	July 1997 – August 2001 (Registered for Ph.D. in July 97 in IIT Bombay and defended the thesis in July 01)	Research Fellow
National Chemical Laboratory Homi Bhabha Road, Pune 411008. India	July 1996 – June 1997 Design and Manufacture of continuous FRP by Pultrusion process.	Project Assistant

Field of specialization: **Rheology, Soft Glassy Materials and Polymer Science & Engineering**

Awards and Honors

1. **P. K. Kelkar Faculty Research Fellowship** (2013 -2016)
2. **National Academy of Sciences (NASI) – Scopus Young Scientist Award, 2012 (2013)**
3. **Department of Atomic Energy – Science Research Council (DAE – SRC) Outstanding Investigator Award** (2012).
4. **Indian National Academy Engineering (INAE) Young Associate** (2013 – 2019)
5. Life member of **National Academy of Sciences (NASI)** (2010)

6. Distinguished Alumnus award of **Maharashtra Institute of Technology Pune** (2010)
7. **Indian Institute of Chemical Engineers (IChE)** Amar Dye Chem Award (2009)
8. **Batch of 1979 IIT Kanpur** Faculty Research Fellowship (2009 - 2012)
9. **Indian National Academy Engineering (INAE)** Young Engineer Award (2008)
10. **National Academy of Sciences (NASI)** Young Scientist Platinum Jubilee Award (2008)
11. **Indian Institute of Chemical Engineers (IChE)** Diamond Jubilee Young Achiever Award (2007)
12. Associate of **Indian Academy of Sciences** (2006-2009)
13. **Indian National Science Academy (INSA)** Medal for Young Scientist (2006)
14. **Department of Atomic Energy BRNS** Young Scientist Research Award (2006)

Visiting Positions

15. Visiting Professor, Université du Maine, France May – June 2008.
16. Visiting Scientist, University of Edinburgh, UK May – July 2010.

Projects

For details please see **Annexure 1**

Publications

For details please see **Annexure 2**

Professional Affiliations

1. The Society of Rheology, USA. (1998- ..)
2. Society of Polymer Science India (1999- ..)
3. Indian society for Advancement of materials and Processing Engineering (2006 - ...)
4. American Association for Advancement of Science (AAAS) (2008- ..)
5. The Secretary and Treasurer of Indian Society of Rheology

ACS Nano, Langmuir, Journal of Rheology, Soft Matter, Proceedings of Royal Society A, European Physical Journal E, Journal of Non-Newtonian Fluid Mechanics, Physics Letters A., J. Colloidal and Interface science, Philosophical Magazine, Current Science, Clays and Clay Minerals, Journal of Polymer Science B, Polymer Physics, Journal of Materials Engineering and Performance, Polymer Engineering and Science

Reviewer

1. DST Project evaluation
2. Indo French CEFIPRA Project evaluation
3. American Chemical Society Petroleum Research Fund
4. The Physics Research Council in the Netherlands

Annexure 1
List of Projects completed/undergoing in Dr Joshi's Laboratory

From Government Funding Agencies

	Duration	Name of the sponsor	Title	Amount (Rs.) in Lac	Co-Investigators
6	2012-17	DAE BRNS	Dynamics and Phase Behaviour of Anisotropic Soft Materials	99.96	None
In this project a comprehensive study of phase behavior of platelike colloidal particles is proposed.					
7	2011 - 14	DST	Transport of energy and Mass in Soft Jammed Media	50.0	K. Muralidhar
In this project we have proposed to employ optical techniques to study heat and mass diffusion in various soft jammed materials					
8	2011 - 13	DRDO	Shear Thickening fluids for Liquid Armor Applications	23.0	None
In this project various types of shear thickening fluids will be studied for an application in bullet proof jacket (Liquid armor)					
9	2007-11	DST IRHPA Scheme (Co-PI)	Meso-structured functional thin films and interfaces of soft materials	484	4 co-investigators from the department
Project was implemented with 5 co-PIs. I worked on various problems associated with dynamics of clay filled systems. Studied generic behavior of aging in clay suspensions. Developed time - aging time superposition and effective time approach for soft pasty materials.					
10	2006-09	DAE BRNS	Structure and rheology of suspensions of anisotropic nanometric particles	9.93	None
Studied cage formation in concentrated colloidal suspensions. Investigated phase behavior of aqueous anisotropic nanoclay suspensions.					
11	2005	IIT Kanpur	Transport processes in nanoparticle suspensions	10.0	None
Initiation grant project. Studied heat transport in Nanofluids. Also studied rheological behavior of confined polymer in nanocomposites.					

Industrial Consultancy

	Duration	Name of the sponsor	Title	Amount (Rs.) in Lac	Co-Investigators
1	2013-14	United Phosphorus Ltd.	Improving Rheological Behavior of Pesticides Pastes	7.0	None
Industrial Project on prediction of shelf life of pesticide pastes					
2	2013-14	Unilever Research Ltd.	Rheological Behavior of surfactant paste	10.0	None
Industrial project studying rheological behavior of home care surfactant pastes					
3	2013-14	Unilever Research Ltd.	Rheological Behavior of surfactant detergents	10.0	None
Industrial project on prediction of shelf life of detergent samples					
4	2012-13	United Phosphorus Ltd.	Improving Rheological Behavior of Pastes	7.0	None
This is an Industrial consultancy project wherein rheological behavior of industrial pastes is studied to suggest modifications.					
5	2005-06	Threads India Pvt. Ltd.	Improving adhesion of the Nylon filaments	1.5	None
An industrially sponsored project. The company wanted solutions associated with various problems concerning binding of loose filament yarn using Nylon 6 - methanol solution.					

Annexure 2
List of Publications of Yogesh M. Joshi

A Papers in *Refereed Journals* (*paper with YMJ as the corresponding author)

	Author(s)	Title	Complete Reference of Journal
48	Y. M. Joshi	Dynamics of Colloidal Glasses and Gels	Annu. Rev. Chem. Biomol. Eng. 5, 2014. DOI:10.1146/annurev-chembioeng-060713-040230
47	D. Saha, Y. M. Joshi, R. Bandyopadhyay	Investigation of the dynamical slowing down process in soft glassy colloidal suspensions: comparisons with supercooled liquids	Soft Matter (2014) DOI:10.1039/C4SM00187G
46	M. Kaushal, Y. M. Joshi*	Linear Viscoelasticity of Soft Glassy Materials	Soft Matter (2014) DOI:10.1039/C3SM52978A
45	S. Bhandari, K. Muralidhar, Y. M. Joshi*	Thermal Diffusivity and Viscosity of Suspensions of Disc Shaped Nanoparticles	Ind. Eng. Chem. Res. 52 (2013), 15114.
44	M. Kaushal, Y. M. Joshi*	Tailoring Relaxation Time Spectrum in Soft Glassy Materials	Journal of Chemical Physics, 139 (2013) 024904.
43	T. Dhavale, S. Jatav, Y. M. Joshi*	Thermally Activated Asymmetric Structural Recovery in a Soft Glassy Nano-Clay Suspension	Soft Matter, 9 (2013), 7751-7756.
42	S. Bhandari, K. Muralidhar, Y. M. Joshi*	Enhanced Thermal Transport through Soft Glassy Nano-disc Paste	Physical Reviews E, 87 (2013), 022301.
41	A. Shahin, Y. M. Joshi*	Physicochemical Effects in Aging Aqueous Laponite Suspensions	Langmuir, 28 (2012), 15674–15686.
40	Y. M. Joshi,* A. Shahin, M. E. Cates	Delayed solidification of soft glasses: New experiments, and a theoretical challenge	Faraday Discussion, 158 (2012), 313–324.
39	A. Shaukat, M. Kaushal, A. Sharma, Y. M. Joshi*	Shear Mediated Elongational Flow and Yielding in Soft Glassy Materials	Soft Matter, 8 (2012), 10107-10114.

	Author(s)	Title	Complete Reference of Journal
38	A. Shahin, Y. M. Joshi*	Hyper-aging dynamics in nano-clay suspension	Langmuir, 28 (2012), 5826-5833.
37	R. Gupta, B. Baldewa, Y. M. Joshi*	Time Temperature Superposition in Soft Glassy Materials	Soft Matter, 8 (2012), 4171 - 4176.
36	S. Kazim, S. Ahmad, J. Pflieger, J. Plestil, Y. M. Joshi	Polyaniline-Sodium Montmorillonite Clay Nanocomposites: Effect of Clay Concentration on Thermal, Structural and Electrical Properties	Journal of Materials Science, 47 (2012), 420 – 428.
35	B. Baldewa, Y. M. Joshi*	Delayed Yielding in Creep, Time - Stress Superposition and Effective Time Theory for a Soft Glass	Soft Matter, 8 (2012), 789 – 796.
34	A. Shaukat, A. Sharma, Y. M. Joshi*	Squeeze flow behavior of (soft glassy) thixotropic material	Journal of Non-Newtonian Fluid Mech., 167 (2012), 9.
33	M. Ravi Sankar, V. K. Jain, J. Ramkumar, Y. M. Joshi	Dependence of R-AFF process on rheological characteristics of soft styrene based organic polymer abrasive medium	Journal of Manufacturing Technology Research, 4 (2012), 89 – 104.
32	A. Shahin, Y. M. Joshi,* S. A. Rmakrishna	Interface induced anisotropy and nematic glass/gel state in jammed aqueous Laponite suspensions	Langmuir, 27 (2011), 14045 –14052.
31	B. Baldewa, Y. M. Joshi*	Thixotropy and Physical Aging in Acrylic Emulsion Paint	Polymer Engineering & Science, 51 (2011), 2084–2091.
30	A. Shahin, Y. M. Joshi*	Prediction of long and short time rheological behavior in soft glassy materials	Physical Review Letters, 106 (2011), 038302.
29	M. Kaushal, Y. M. Joshi*	Self-Similarity in Electrorheological Behavior	Soft Matter, 7 (2011), 9051 – 9060.

	Author(s)	Title	Complete Reference of Journal
28	M. Ravi Sankar, V. K. Jain, J. Ramkumar, Y. M. Joshi	Rheological characterization of styrene-butadiene based medium and its finishing performance using rotational abrasive flow finishing process	International Journal of Machine Tools and Manufacture, 51 (2011), 947 – 957.
27	A. Shaukat, A. Sharma, Y. M. Joshi*	Time-aging time-stress superposition in soft glass under tensile deformation field	Rheologica Acta, 49 (2010), 1093.
26	A. Shahin, Y. M. Joshi*	Irreversible Aging Dynamics and Generic Phase Behavior of Aqueous Suspensions of Laponite	Langmuir, 26 (2010), 4219.
25	R. Bandyopadhyay, H. P. Mohan, Y. M. Joshi*	Stress Relaxation in Aging Soft Colloidal Glasses	Soft Matter, 6 (2010), 1462.
24	V. Awasthi, Y. M. Joshi*	Effect of temperature on aging and time-temperature superposition in nonergodic Laponite suspensions	Soft Matter, 5 (2009), 4991.
23	A. Shukla, Y. M. Joshi*	Ageing under oscillatory stress: Role of energy barrier distribution in thixotropic materials	Chemical Engineering Science, 64 (2009), 4668.
22	Y. M. Joshi*	Modeling dependence of creep recovery behavior on relaxation time distribution of ageing colloidal suspensions	Industrial and Engineering Chemistry Research, 48 (2009), 8211.
21	A. Shaukat, Y. M. Joshi, A. Sharma	Tensile Deformation and Failure of Thin Films of Aging Laponite Suspension	Industrial and Engineering Chemistry Research, 48 (2009), 8232.
20	G. R. K. Reddy Y. M. Joshi*	Ageing under stress and mechanical fragility of soft solids of laponite	Journal of Applied Physics, 104 (2008), 094901.

	Author(s)	Title	Complete Reference of Journal
19	N. Ravi Kumar K. Muralidhar, Y. M. Joshi*	On the refractive index of ageing dispersions of Laponite	Applied Clay Science, 42 (2008), 326.
18	S. Khandekar, Y. M. Joshi, B. Mehta	Thermal performance of closed two-phase thermosyphon using nanofluids	International Journal of Thermal Sciences, 47 (2008), 659.
17	Y. M. Joshi,* G. R. K. Reddy	Aging in a colloidal glass in creep flow: Time-stress superposition	Physical Review E, 77 (2008), 021501.
16	Y. M. Joshi,* G. R. K. Reddy A. L. Kulkarni, N. Kumar, R. P. Chhabra	Rheological behaviour of aqueous suspensions of laponite: New insights into the ageing phenomena	Proceedings of the Royal Society A, 464 (2008), 469.
15	H. V. Pol, Y. M. Joshi,* P. S. Tapadia, A. K. Lele, R. A. Mashelkar	A geometrical solution to the sharkskin instability	Industrial and Engineering Chemistry Research, 46 (2007), 3048.
14	Y. M. Joshi*	Model for cage formation in colloidal suspension of Laponite	Journal of Chemical Physics, 127 (2007), 081102.
13	Y. M. Joshi*	Nonlinear dynamics of confined polymer melts with attractive walls	Langmuir, 21 (2005), 9013.
12	Y. M. Joshi, M. M. Denn	Failure and recovery of entangled polymer melts in elongational flow	Rheology Reviews, 2 (2004), 1-17.
11	Y. M. Joshi, M. M. Denn	Rupture of entangled polymeric liquids in elongational flow with dissipation	Journal of Rheology, 48 (2004), 591.
10	Y. M. Joshi, M. M. Denn	Rupture of entangled polymeric liquids in elongational flow	Journal of Rheology, 47 (2003), 291.

	Author(s)	Title	Complete Reference of Journal
9	Y. M. Joshi, M. M. Denn	Planar contraction flow with a slip boundary condition	Journal of Non-Newtonian Fluid Mechanics, 114 (2003), 185.
8	Y. M. Joshi, A. K. Lele	Dynamics of end-tethered chains at high surface coverage	Journal of Rheology, 46 (2002), 427.
7	A. K. Lele, Y. M. Joshi, R. A. Mashelkar	Deformation induced hydrophobicity: Implications in spider silk formation	Chemical Engineering Science, 56 (2001), 5793.
6	Y. M. Joshi	Studies on wall-slip in entangled polymeric liquids	Applied Rheology, 11 (2001), 277.
5	Y. M. Joshi, A. K. Lele, R. A. Mashelkar	Molecular model for wall slip: Role of convective constraint release	Macromolecules, 34 (2001), 3412.
4	P. S. Tapadia, Y. M. Joshi, A. K. Lele, R. A. Mashelkar	Influence of stereoregularity on the wall slip phenomenon in polypropylene	Macromolecules, 33 (2000), 250.
3	Y. M. Joshi, P. S. Tapadia, A. K. Lele, R. A. Mashelkar	Temperature dependence of critical stress for wall slip by debonding	Journal of Non-Newtonian Fluid Mechanics, 94 (2000), 151.
2	Y. M. Joshi, A. K. Lele, R. A. Mashelkar	A unified wall slip model	Journal of Non-Newtonian Fluid Mechanics, 94 (2000), 135.
1	Y. M. Joshi, A. K. Lele, R. A. Mashelkar	Slipping fluids: A unified transient network model	Journal of Non-Newtonian Fluid Mechanics, 89 (2000), 303.

B Book Chapter:

- 1) Verma S., Joshi, Y. M. and Muralidhar K., 2011, Optical interferometers: principles and applications in transport phenomena, in *Interferometry Principles and Applications* (Editor: Mark E. Russo), Nova Books, 353 – 413.

C Papers published in Conference Proceedings

S.No.	Author(s)	Year	Title	Name and Place of Conference
1	Shukla A. and <u>Joshi, Y. M.</u>	2008	Ageing under Shear: Effect of Stress and Temperature Field	The XVth International Congress On Rheology, Monterey (California). AIP Conference Proceedings 1027, pp. 1018-1020.
2	<u>Joshi, Y. M.</u> Lele, A. K. Badiger, M. V. Mashelkar, R. A.	1999	Rheological study of poly (N-isopropyl acrylamide) solution during phase transition	Proceeding of Polymer-99: International Symposium on <i>Polymers Beyond AD 2000</i> , New Delhi, A K Ghosh (Ed.), 642-646.
3	<u>Joshi, Y. M.</u> Lele A. K.	2001	A tube model for tethered chains at high grafting density	Proceedings of 3rd Pacific-rim conference on Rheology, Vancouver, Canada, 56-58.
4	Pol H. V. <u>Joshi, Y. M.</u> Tapadia P. S. Lele A.K.	2006	Estimation of stress levels at the diverging exit of a capillary die through the Use of polyflow® simulations	Proceedings of 22nd Annual Meeting of the Polymer Processing Society, Paper No. G09.35, Yamagata, Japan

F Papers Presented in Conferences But Not Published

S.No.	Author(s)	Year	Title	Name and Place of Conference
1	A. Shahin, <u>Joshi Y. M.</u>	2012	Hyperaging dynamics in nano-clay suspensions	The XVIth International Congress On Rheology, Losbon (Portugal).
2.	Kaushal M., <u>Joshi Y. M.</u> ,	2012	Tailoring rheological behavior in soft glassy materials	The XVIth International Congress On Rheology, Lisbon (Portugal).
3	Rahul Gupta, Bharat Baldewa, <u>Joshi Y. M.</u> ,	2011	Time Temperature superposition in Glassy materials	83nd annual meeting of Society of Rheology, Cleveland, Ohio, US
4	Kaushal M., Patel A. K. <u>Joshi Y. M.</u> ,	2010	Self-similarity in electro-rheological behavior	82nd annual meeting of Society of Rheology, Santa Fe, NM, US
5	Shaukat A., Sharma A., <u>Joshi Y. M.</u> ,	2010	Shear flow mediated elongational flow in soft glassy materials	82nd annual meeting of Society of Rheology, Santa Fe, NM, US
6	Shahin A., <u>Joshi Y. M.</u> ,	2010	Hyper-aging dynamics of aqueous Laponite-polyethylene oxide suspensions	82nd annual meeting of Society of Rheology, Santa Fe, NM, US
7	Shahin A., <u>Joshi Y. M.</u> ,	2010	Anomalous creep behaviour of aging polybutadiene clay nanocomposite	82nd annual meeting of Society of Rheology, Santa Fe, NM, US
8	Shahin A., <u>Joshi Y. M.</u> ,	2010	Irreversible aging dynamics and phase behavior of aqueous suspensions of Laponite	82nd annual meeting of Society of Rheology, Santa Fe, NM, US
9	Shaukat A., Sharma A., <u>Joshi Y. M.</u> ,	2010	Time-aging time-stress superposition in soft glass under tensile deformation field	82nd annual meeting of Society of Rheology, Santa Fe, NM, US
10	<u>Joshi Y. M.</u> <u>Reddy G. R. K.</u>	2007	Universal ageing phenomena in soft glassy materials	79th annual meeting of Society of Rheology, Salt Lake City
11	<u>Joshi Y. M.</u> Reddy G. R. K. Kulkarni A. L. Chhabra R. P.	2007	Investigating retardation time behavior of ageing suspensions of laponite	79th annual meeting of Society of Rheology, Salt Lake City

S.No.	<u>Author(s)</u>	Year	Title	Name and Place of Conference
12	<u>Joshi Y. M.</u> Kulkarni A. L. Chhabra R. P.	2006	Aging and Rheology of Soft Glasses	MACRO 2006, Pune
13	<u>Joshi Y. M.</u>	2005	Nonlinear dynamics of confined polymer melts with attractive walls	2nd complex fluids symposium, National Chemical Laboratory, Pune
14	<u>Joshi Y. M.</u> Denn M. M.	2003	Planar Contraction with a Slip Boundary Condition	Annual AIChE meeting, San Francisco
15	<u>Joshi Y. M.</u> Denn M. M.	2003	Rupture of recovery in elongational flow of entangled polymeric liquids	75th annual meeting of Society of Rheology, Pittsburgh, (Pennsylvania)
16	<u>Joshi Y. M.</u> Denn M. M.	2002	Rupture of entangled polymeric liquids in elongational flow	74th annual meeting of Society of Rheology, Minneapolis, (Minnesota)
17	<u>Joshi Y. M.</u> Lele A. K.	2001	A tube model for wall slip	73rd annual meeting of Society of Rheology, Bethesda (Washington D.C.)

G Presentations made as an invited speaker

- 1) Linear Viscoelasticity of Polymer undergoing gelation, **Polymer Processing Society Asia/Australia Conference 2013, Mumbai**, December 2013.
- 2) Thermally Activated Asymmetric Structural Recovery in a Soft Glassy Nano-Clay Suspension, **Unilever Research Center, Bangalore**, May 2013.
- 3) Thermally Activated Asymmetric Structural Recovery in a Soft Glassy Nano-Clay Suspension, **Raman Research Institute, Bangalore**, May 2013.
- 4) Long Time Response of Aging Amorphous Polymers, **3rd Federation of the Asian Polymer Societies Congress and Macro 2013, Bangalore**, May 2013.
- 5) Physicochemical Effects in Aging Aqueous Suspension of Laponite: New Insights into Phase Behavior, March Meeting, **Jawaharlal Nehru University, Delhi**, March 2013.

- 6) Disciplining thixotropy: application of Boltzmann superposition principle to soft glassy materials, Complex Fluids and Polymer Engineering, **National Chemical Laboratory, Pune**, June 2012.
- 7) Disciplining thixotropy: application of Boltzmann superposition principle to soft glassy materials, Department of Chemical Engineering, **IISc Bangalore**, May 2012.
- 8) Disciplining thixotropy: application of Boltzmann superposition principle to soft glassy materials, **Unilever Research Center, Bangalore**, May 2012.
- 9) New Insights into Phase Behavior of Aqueous Suspension of Laponite, **Raman Research Institute, Bangalore**, May 2012.
- 10) Time temperature superposition in glassy materials, Conference on Dynamics of Phase Transformations, **JNCASR Bangalore**, November 2011.
- 11) Effective time theory and prediction of long time rheological behavior in soft glassy materials, **Department of Polymer Engineering, University of Akron, USA**, October 2011.
- 12) Structure and rheology of aqueous Laponite suspension, **Southern Clay Products, Louiseville, USA**, October 2011.
- 13) Effective time theory and prediction of long time rheological behavior in time dependent pasty materials, **Southern Clay Products, Louiseville, USA**, October 2011.
- 14) Superpositions in time domain and prediction of long time behavior in soft glassy materials, **Indian Institute of Technology Hyderabad**, March 2011.
- 15) Aging and rheology of pasty materials, **Unilever Research and Development Center**, Connecticut, USA, October 2010.
- 16) Superpositions in time domain and prediction of long time behavior in soft glassy materials, **KAUST center, Cornell University, Ithaca, USA**, October 2010.
- 17) Irreversible aging in aqueous Laponite suspension, Institute for Condensed Matter and Complex Systems, **University of Edinburgh, Scotland, UK** June 2010.
- 18) Time – stress and time – temperature superposition in soft glassy materials, SPS March Meeting on Soft Matter Physics, **School of Physical Sciences, Jawaharlal Nehru University, New Delhi**, March 2010.

- 19) Time-Temperature superposition in soft glassy materials, IIT Kanpur golden jubilee conference on Interaction, Instability, Transport and Kinetics: Glassiness and Jamming, **IIT Kanpur**, February 2010.
- 20) Anomalous creep flow dynamics of aging polymer-clay nanocomposite, Vth Rheology of complex fluids symposium, **IIT Madras**, January 2010.
- 21) Time-Temperature superposition in soft glassy materials, **4th Asian Particle Technology Symposium (APT2009), New Delhi**, September 2009.
- 22) Time-Temperature superposition in soft glassy materials, Advances in Chemical Engineering and Process Technology, **NCL Diamond Jubilee Symposium, Pune**, June 2009.
- 23) Time-Temperature superposition in soft glassy materials, **25th Annual meeting of Polymer Processing Society, Goa**, March 2009.
- 24) Time-Temperature superposition in soft glassy materials, **Annual Physics convention. Department of Physics, IIT Kanpur**, February, 2009.
- 25) Ageing under deformation field: Time-Stress superposition, **Tata Research Development and Design Center, Pune**, December 2008.
- 26) Ageing under deformation field: Time-Stress superposition, **National Chemical Laboratory-Pune**, December 2008.
- 27) Ageing under deformation field: Time-Stress superposition, **Annual Meeting of the Indian National Academy of Engineering, Goa** December 2008.
- 28) Ageing under deformation field: Time-Stress superposition, **78th Annual Session of the National Academy of Sciences, Chandigarh** November 2008.
- 29) Ageing under deformation field in soft glassy materials, **Polymères, Colloïdes, Interfaces, Université du Maine, Le Mans, France** June 2008.
- 30) Ageing under deformation field in soft glassy materials, **Laboratoire de Physique des Solides, Université Paris Sud Bât, Orsay, France** May 2008.
- 31) Ageing under deformation field in soft glassy materials, **Navier Institute, University of Eastern Paris, Paris, France**, May 2008.
- 32) Ageing under deformation field in soft glassy materials, **Dipartimento di Fisica Universita' di Roma "La Sapienza", Rome, Italy**, May 2008.

- 33) Ageing under deformation field: Time-Stress superposition, **IVth Rheology of complex fluids symposium, IIT Bombay**, January 2008.
- 34) Ageing dynamics in soft materials, **City University of New York, USA**, October 2007.
- 35) Ageing dynamics in soft materials, **Department of Physics, IIT Kanpur**, September 2007.
- 36) Ageing dynamics in soft materials, **National Chemical Laboratory-Pune**, July 2007.
- 37) Rheological study of aging soft glasses of laponite, **18th Mid-Year Meeting of Indian Academy of Sciences, Bangalore**, July 2007.
- 38) Aging dynamics in soft glasses, **Université du Maine, Le Mans France**, February 2007.
- 39) Aging dynamics in soft glasses, **Raman Research Institute, Bangalore**, November 2006.
- 40) Aging dynamics in soft glasses, **IIT Bombay**, November 2006.
- 41) Structure-Rheology and Processing of Polymer Nanocomposites, **QIP course on, "Recent Trends in Nanocomposites," IIT Kanpur**, November 2006.
- 42) Dynamics of smectite clay filled systems, **JNCASR Bangalore**, March 2006.
- 43) Dynamics of smectite clay filled systems, **GE Plastics, Bangalore**, March 2006.
- 44) De Gennes' scaling model for polymer drag reduction, **National Chemical Laboratory Pune**, June 2004.
- 45) Cohesive failure and instabilities in processing flow fields, **National Chemical Laboratory-Pune**, August 2003
- 46) Cohesive failure and instabilities in processing flow fields, **IIT Bombay**, August 2003.
- 47) Cohesive failure and instabilities in processing flow fields, **IIT Kanpur**, August 2003.
- 48) Rupture of entangled polymeric liquids in elongational flow, **IISc Bangalore**, August 2002.
- 49) Rupture of entangled polymeric liquids in elongational flow, **GE Plastics, Bangalore**, August 2002.

- 50) Rupture of entangled polymeric liquids in elongational flow, **IIT Bombay**, August 2002.
- 51) Rupture of entangled polymeric liquids in elongational flow, **National Chemical Laboratory-Pune**, August 2002.
- 52) Wall slip in entangled liquids, **Benjamin Levich Institute, New York, USA**, April 2002.

Chairing of Conference symposium:

- 1. Chaired a session on Colloids and Suspensions in **XVIth International Congress on Rheology, Lisbon Portugal** (2012)
- 2. Chaired a session on Rheology of Solids, Glasses and Composites in **83rd Annual Meeting of The Society of Rheology, Cleveland, Ohio** (2011).
- 3. Chaired a session on Rheology of particulate system in **4th Asian Particle Technology Symposium (APT2009), New Delhi**, September (2009).
- 4. Chaired a session on rheology of polymer melts in **25th Annual meeting of Polymer Processing Society, Goa**, March (2009).

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