


CENTRAL UNIVERSITY OF JAMMU

First Name	Dr. Kamlesh	Middle Name		Last Name	Kumar	Photograph 
Title & Designation	Associate Professor					
Address	Department of Chemistry and Chemical Sciences Central University of Jammu Rahya-Suchani (Bagla), District-Samba Jammu-181143, J&K, India					
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Educational Qualifications:						
Degree	Institution				Year	
Ph.D.	Dresden University of Technology, Germany				2009	
M. Tech. Polymer Science and Technology	Indian Institute of Technology Delhi, New Delhi				2005	
M.Sc., Chemistry	University of Rajasthan, Jaipur				2002	
B.Sc., Chemistry	University of Rajasthan, Jaipur				1997	
CSIR-NET					2002	
GATE- Chemistry					2003	
Career Profile:						
<p>April 2023 --- Present: Associate Professor, Department of Chemistry and Chemical Sciences, Central University of Jammu, Jammu, India</p> <p>July 2018 --- April 2022: Senior Scientist --- Materials Science & Sensor Applications, CSIR-Central Scientific Instruments Organisation, Chandigarh, India</p> <p>January 2017 --- July 2018: Assistant Professor --- School of Applied Materials, Central University of Gujarat, Gandhinagar, India</p> <p>August 2016 --- January 2017: Associate Professor --- Department of Chemistry, Manipal University Jaipur, India.</p> <p>February 20014 --- July 2016: Postdoctoral Research Fellow --- Eindhoven University of Technology, Netherlands. <i>Topic: Development of Liquid Crystal based visible light responsive elastomers</i></p> <p>January 2012 --- January 20014: Postdoctoral Research Fellow --- University of Groningen, Netherlands <i>Topic: Development of novel biomolecule based host guest complex.</i></p> <p>December 2009 --- January 2012: Postdoctoral Research Fellow --- Oregon Health and Science University, Portland, USA <i>Topic: Investigation of Mechanisms of Pulmonary Surfactant Function</i></p> <p>February 2006 --- September 2009: Research Fellow --- Leibniz Institute of Polymer Research Dresden, Germany <i>Topic: Polymer, Metal, Ceramic and Carbon Micro- and nanotubes by strain-driven self-rolling</i></p> <p>June 2005 --- November 2005: Research Fellow --- Royal Institute of Technology, Stockholm, Sweden <i>Topic: Chemo-enzymatic polymerization for comb polymer formation</i></p>						

Areas of Interest / Specialization:

- Polymer synthesis and characterization
- Smart materials and applications
- Thin film coatings
- Sensors and Soft actuators

Research Guidance:

1. Anas Saifi PhD. (2023)

Completed: (Master Student)

1. Afrora Lulaj, 2015, (TU/e Netherlands)
2. Anaswara Gopalakrishnan, Student of School of Applied Materials, 2018 (CUG, Gandhinagar)
3. Abhishek Kumar, Student of School of Applied Materials, 2018 (CUG, Gandhinagar)
4. Kavithayeni, V. M Tech. Periyar Maniammai Institute of Science and Technology, Vallam, Thanjavur, Tamilnadu, 2019, (CSIR-CSIO, Chandigarh)
5. Sheetu Devi, M. Sc. Maharishi Markandeshwar Engineering College, MMDU, Mullana 2019, (CSIR-CSIO, Chandigarh)
6. Charu Negi, M. Sc. Department of Chemistry, School of Physical Sciences, Doon University, Dehradun, 2020, (CSIR-CSIO, Chandigarh)
7. Rupali Chaudhary. M. Sc. Department of Chemistry, School of Physical Sciences, Doon University, Dehradun, 2020, (CSIR-CSIO, Chandigarh) 2021 (CSIR-CSIO, Chandigarh)
8. Piyesh Shukla, MSc., Amity University, Noida, 2022, (CSIR-CSIO, Chandigarh)
9. Vivek Kumar, 2023, M. Pharma, PU, Chandigarh, (CSIR-CSIO, Chandigarh)

Completed: (Bachelor Student)

1. Shivam Verma, BE, Biotechnology University Institute of Engineering and Technology, Panjab University, Chandigarh, 2022, (CSIR-CSIO, Chandigarh)
2. Ishika Gupta, BE, Biotechnology University Institute of Engineering and Technology, Panjab University, Chandigarh, 2022, (CSIR-CSIO, Chandigarh)
3. Deepanjali Narag, B. Tech, (Material Science and Engineering, PEC), 2023, (CSIR-CSIO, Chandigarh)
4. Ayoush Kumar, B. Tech, (Material Science and Engineering, PEC), 2023, (CSIR-CSIO, Chandigarh)

Publications Profile:

Total number of Publications: 45

Total citations: 2443 (Google Scholar, May. 2023)

h-index: 14

*i*10-index: 19

[Kamlesh Kumar - Google Scholar](#)

Awards and Distinctions:

- Received Postdoctoral research fellowship from **Eindhoven University of Technology, Netherlands.**
- Received Postdoctoral research fellowship from **University of Groningen, Netherlands.**
- Received Postdoctoral research fellowship from **Oregon Health and Science University, Portland, USA.**
- Received Research fellowship to pursue PhD from **Leibniz institute of polymer research Dresden, Germany.**
- Received Research fellowship from The Swedish Foundation for International Cooperation in Research and Higher Education (STINT) from the **Royal Institute of Technology, Stockholm, Sweden,** (June 2005- Nov 2009)
- Qualified National Level Graduate Aptitude Test in Engineering (**GATE**) with 94.65 Percentile in "Chemical sciences". 2003
- Qualified National Eligibility Test (**NET**), by- Council of Scientific and Industrial Research (**CSIR**) Government of India 2002
- Gold medalist in Bachelor degree at Seth G. R. Chamria College, Fathepur Sekhawati, Sikar, India, 2000.

Publications

1. Renu Devi, Satyam Singh, Vivek S. Rana, Omvir Singh, Kamlesh Kumar, Rahul Shrivastava, Rajesh K. Yadav, Atresh K. Singh, Navneet K. Gupta, Atul P. Singh, Synthesis of well-defined ester-linked covalent organic polymer and its potential applications in C–H bond activation, *Journal of Photochemistry and Photobiology A*: 447, 2024, 115248.
<https://www.sciencedirect.com/science/article/abs/pii/S101060302300713X>
2. Anas Saifi, Charu Negi, Atul Pratap Singh, Kamlesh Kumar, Visible Light Responsive Soft Actuator Based on PVA-DR1, *ChemistrySelect* 8 (39), 2023, e202301628
<https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/slct.202301628>
3. Anas Saifi, Charu Negi, Kamlesh Kumar, Visible light responsive soft actuator based on functional anthracene dye, *European Polymer Journal*, 2022, 171, 111176.
<https://www.sciencedirect.com/science/article/abs/pii/S001430572200180X>
4. Arushi Gupta, Anu Kumari, Neha Kaushal, Anas Saifi, Girish Mohanta, Abhay Sachdev, Kamlesh Kumar, Akash Deep, Avishek Saha, Recent Advances in the Applications of Carbon Nanostructures on Optical Sensing of Emerging Aquatic Pollutants, *ChemNanoMat*, 2022, e202200011, <https://onlinelibrary.wiley.com/doi/abs/10.1002/cnma.202200011>
5. Navjot Sandhu, Satish Kumar Pandey, Ram Kumar Tittal, **Kamlesh Kumar**, Ashish Pratap Singh, Rajesh K. Yadav, Rahul Shrivastava, Atul Pratap Singh, Fluorescein dye derivative: Synthesis, characterization, quantum chemical and promising antimicrobial activity studies, **Journal of Heterocyclic Chemistry**, 58, (12), 2021, 2381-2389
6. Navjot Sandhu, Simran Madaan, Satish K. Pandey, Amritpal Singh, Kamlesh Kumar, Rajesh K. Yadav, Rahul Shrivastav, Atul P. Singh, Experimental and theoretical observations of alkylated EOSIN based “turn-on” superoxide sensor as well as its anti-microbial study, *Main Group Chemistry*, 20, (4), 2021, 623-632.
<https://content.iospress.com/articles/main-group-chemistry/mgc210068>
7. Anas Saifi, Jojo P Joseph, Atul Pratap Singh, Asish Pal, Kamlesh Kumar, Complexation of an Azo Dye by Cyclodextrins: A Potential Strategy for Water Purification, *ACS Omega* 2021, 6, 7, 4776–4782.
<https://pubs.acs.org/doi/full/10.1021/acsomega.0c05684>
8. Navjot Sandhu, Atul Pratap Singh, Akhil Saxena, Satish K Pandey, Kamlesh Kumar, Ashish Pratap Singh, Rajesh K Yadav, X-ray crystallographic, electrochemical, quantum chemical and anti-microbial analysis of fluorescein based Schiff base, *Journal of Molecular Structure* 1221, 128762.

<https://www.sciencedirect.com/science/article/abs/pii/S0022286020310875>

9. Ryan W Loney, Sergio Panzuela, Jespar Chen, Zimo Yang, Jonathan R Fritz, Valentina Corradi, Kamlesh Kumar, D Peter Tieleman, Stephen B Hall, Stephanie A Tristram-Nagle, Location of the Hydrophobic Surfactant Proteins, SP-B and SP-C, in Fluid-Phase Bilayers, *J. Phys. Chem. B* 2020, 124, 31, 6763–6774.

<https://pubs.acs.org/doi/abs/10.1021/acs.jpcc.0c03665>

10. Kamlesh Kumar, Katja Loos, Morphological Characteristics of Amylose-Poly (tetrahydrofuran) Inclusion Complexes Depending on Temperature and Concentration, *Macromolecular Chemistry and Physics*, 221, 13, 2020, 2000122.

<https://onlinelibrary.wiley.com/doi/epdf/10.1002/macp.202000122>

11. Navjot Sandhu, Sheetanshu Saproo, Srivatsava Naidu, Atul P. Singh, Kamlesh Kumar, Ashish P. Singh, Rajesh K. Yadav “Turn-On” Sensing Behaviour of an In Situ Generated Fluorescein-Based Probe and Its Preferential Selectivity of Sodium Hypochlorite over tert-Butyl Hydroperoxide in Lung Adenocarcinoma Cells”, *Chemistry Select*, 5 (4) 31, 2020, 1264-1268

12. Kamlesh Kumar, Katja Loos, Deciphering Structures of Inclusion Complexes of Amylose with Natural Phenolic Amphiphiles, *ACS Omega*, 2019, 4 (18), 17807-17813.

13. Kamlesh Kumar, Mariya Chavarha, Ryan W. Loney, Thomas M. Weiss, Shankar B. Rananavare, Stephen B. Hall, The L_γ Phase of Pulmonary Surfactant, *Langmuir*, 2018, 34 (22), pp 6601–6611.

14. Nathan Jackson, Kamlesh Kumar, Oskar Olszewski, Albert PHJ Schenning, Michael Debije, Tuning MEMS cantilever devices using photoresponsive polymers, **Smart Materials and Structures**, 2018, <http://iopscience.iop.org/article/10.1088/1361-665X/aad013/pdf>

15. **Kamlesh Kumar**, Michael G. Debije, Christopher Knie, David Bléger, Mark A. Peletier, Heiner Friedrich, Stefan Hecht, Dirk J. Broer, and Albertus P. H. J. Schenning, A Chaotic Self- Oscillating Sunlight Driven Polymer Actuator, **Nature Communication**, 7, 11975 (2016) **doi:10.1038/ncomms11975**. <https://www.nature.com/articles/ncomms11975>

16. **Kamlesh Kumar**, Albertus P. H. J. Schenning, Dirk J. Broer, and Danqing Liu, Regulating the modulus of a chiral liquid crystal polymer network by light, **Soft Matter**, 2016, 12, 3196.

<http://pubs.rsc.org/en/content/articlehtml/2016/sm/c6sm00114a>

17. **Kamlesh Kumar**, Albert J. J. Woortman, Katja Loos, Synthesis of Amylose-b-P2VP Block Copolymers, **Macromolecular Rapid Communications** , 2015, 36 (23), 2097-2101.

<http://onlinelibrary.wiley.com/doi/10.1002/marc.201500343/full>

18. Vincent S.D. Voet, **Kamlesh Kumar**, Gerrit ten Brinke, Katja Loos, Well-ordered layered organic-inorganic nanohybrids based on poly(vinylidene fluoride) and silica from block copolymer templates, **macromolecular rapid communications** , 2015, 36 (19), 1756-60.
<http://onlinelibrary.wiley.com/doi/10.1002/marc.201500301/full>
19. **Kamlesh Kumar**, Marjon Boonstra, Katja Loos: Synthesis of Carbon Microrings Using Polymer Blends as Template, **RSC advances** , 2015, 5, 33294-33298.
<http://pubs.rsc.org/-/content/articlelanding/2015/ra/c5ra04185f>
20. Rachmawati Rachmawati, Albert J. J. Woortman, **Kamlesh Kumar** and Katja Loos, Inclusion Complexes Between Polytetrahydrofuran-*b*-Amylose Block Copolymers and Polytetrahydrofuran Chains, **Macromolecular Bioscience** , 2015, 15(6), 812-28.
<http://onlinelibrary.wiley.com/doi/10.1002/mabi.201400515/full>
21. Bhoje Gowd, Maya K. Endoh, Tadanori Koga, **Kamlesh Kumar**, Manfred Stamm, Pathways of Cylindrical Orientations in PS-*b*-P4VP Diblock Copolymer Thin Films upon Solvent Vapor Annealing, 2014, **Soft Matter**, 10, 39, 7753-7761.
<http://pubs.rsc.org/en/content/articlehtml/2014/sm/c4sm01460j>
22. **Kamlesh Kumar**, Albert J. J. Woortman, Katja Loos, Synthesis of Amylose-Polystyrene Inclusion Complexes by a Facile Preparation Route, 2013, **Biomacromolecules**, 14 (6), 1955-1960.
<https://pubs.acs.org/doi/abs/10.1021/bm400340k>
23. Mariya Chavarha, Ryan W. Loney, **Kamlesh Kumar**, Shankar B. Rananavare, and Stephen B. Hall, (2012) " Differential Effects of hydrophobic Surfactant Proteins on the Formation of Inverse Bicontinuous Cubic Phases," **Langmuir**, 28(48), 16596-16604.
<https://pubs.acs.org/doi/abs/10.1021/la3025364>
24. **Kamlesh Kumar**, Bhanu Nandan, Peter Formanek, Manfred Stamm (2011) "Fabrication of Carbon Microtubes from Thin Films of Supramolecular Assemblies via Self-Rolling Approach" **Journal of Materials Chemistry**, 21, 10813-10817. (Highlighted on the [Journal of Materials Chemistry blog](#)). <http://pubs.rsc.org/en/content/articlehtml/2011/jm/c1jm11258a>
25. **Kamlesh Kumar**, V. Luchnikov, Bhanu Nandan, S. Zakharchenko, L. Ionov, M. Stamm, Polymer Tubes by Rolling of Polymer Bilayers, *Mater. Res. Soc. Symp. Proc.*, 1272,1272-OO01-09 (2010).
<https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/polymer-tubes-by-rolling-of-polymer-bilayers/3E636F119E24EC20173C45D27E6DB4B9>

26. **Kamlesh Kumar**, Bhanu Nandan, Valeriy Luchnikov, Anastasia Vyalikh, Ulrich Scheler, Manfred Stamm (2009) “A Novel Approach for the Fabrication of Silica and Silica/Metal Hybrid Microtubes ” **Chemistry of Materials** , 21 (18), 4282-4287.
<https://pubs.acs.org/doi/abs/10.1021/cm901472x>
27. **Kamlesh Kumar**, Bhanu Nandan, Valeriy Luchnikov, E. Bhoje Gowd, Manfred Stamm, (2009) “Fabrication of metallic microtubes using self-rolled polymer tubes as templates” **Langmuir**, 25 (13), 7667-7674. <https://pubs.acs.org/doi/abs/10.1021/la900327v>
28. **Kamlesh Kumar**, Valeriy Luchnikov, Bhanu Nandan, Volodymyr Senkovskyy, Manfred Stamm, (2008) “Formation of Self-rolled Polymer Microtubes Studied by Combinatorial Approach” **European Polymer Journal**, 44, 4115-4121.
<https://www.sciencedirect.com/science/article/pii/S0014305708004679>
29. Valeriy Luchnikov, **Kamlesh Kumar**, Manfred Stamm, (2008) “Toroidal hollow-core microcavities produced by self-rolling of strained polymer bilayer films”. **Journal of Micromechanics and Microengineering**, 18, 35041, (5pp). [This paper is selected as a part of the Highlights of 2008, in Journal of Micromechanics and Microengineering].
<http://iopscience.iop.org/article/10.1088/0960-1317/18/3/035041/meta>
30. Rajiv K. Srivastava, **Kamlesh Kumar**, I.K. Varma, Ann-Christine Albertsson, (2007) “Chemo-enzymatic synthesis of comb polymers” *European Polymer Journal*, 43, 808-817.
<https://www.sciencedirect.com/science/article/pii/S0014305706004411>

Patents

1. Bhanu Nandan, **Kamlesh Kumar**, Peter Formanek Manfred Stamm, Fabrication of Carbon Nano- or Microtubes by Using a Self-rolling Process, *European Patent*, No. 10173853.2.
2. Hugo Cornelissen, Joan Yu, Giovanni Cennini, **Kamlesh Kumar**, Dick Broer, LED with thermoresponsive black body dimming USA Patent, 2014, PF01472 (with Philips).

Book Chapter

3. Ann-Christine Albertsson, Indra Kumari Varma, Bimlesh Lochab, Anna Finne-Wistrand, and **Kamlesh Kumar**, *Poly(lactic acid): Structures, Production, Synthesis, and Applications*. 2010, New York, NY: John Wiley & Sons. ISBN: 978-0-470-29366-9.
4. Kamlesh Kumar, Sunita Mishra. (2022). Polymer-Hybrid Nanocomposites Films and Fiber-Based Nanoproducts. In: Handbook of Consumer Nanoproducts. Springer, Singapore.
https://doi.org/10.1007/978-981-16-8698-6_15
5. Kamlesh Kumar, Vipin Chawla, Sunita Mishra (2021). Polymer Hybrid Nanocomposite Fibres. In: Hussain, C.M., Thomas, S. (eds) Handbook of Polymer and Ceramic Nanotechnology. Springer, Cham. https://doi.org/10.1007/978-3-030-40513-7_12

6. Anas Saifi, Charu Negi, Atul Pratap Singh, Kamlesh Kumar, Book by CRC publisher “Liquid and Crystal Nanomaterials for Water Pollutants”, 2022, Book Chapter: Liquid-Crystal Nanomaterials: Introduction, Design and Properties.
7. Ann-Christine Albertsson, Indra Kumari Varma, Bimlesh Lochab, Anna Finne-Wistrand, and Kamlesh Kumar, Chapter 4: Design and Synthesis of Different types of poly lactic acid/polylactide copolymers. Poly (Lactic Acid) Synthesis, Structures, Properties, Processing, Applications, and End of Life. 2022, New York, NY: John Wiley & Sons. ISBN:9781119767442, Online ISBN:9781119767480, DOI:10.1002/9781119767480

Oral Presentation/invited

1. “Light and Solvent Responsive Smart Materials”, National Chemistry Week (ACS- AcSIR CSIO Student Chapter), CSIR-CSIO, Chandigarh, October 22, 2020.
2. Invited seminar at Central University of Haryana, Mahendergarh is organizing a Karyashala program for Hands on Training on High end workshop on training on development and characterization of nano biomaterials for biomedical applications sponsored by Science and Engineering Board (SERB), Govt of India from 25th July-31st July,2022.
3. Kamlesh Kumar, smart Materials, 3rd ICSM conference at MNIT Jaipur, 9-15th Dec 2018
4. Kamlesh Kumar, Smart Polymer Materials, International Conference on Molecular Spectroscopy (ICMS 2017) School of Chemical Sciences, M. G. University, Kottayam, 8-10th Dec 2017. (Invited talk)
5. Kamlesh Kumar, Smart Materials, 2nd ICSM conference at MNIT Jaipur, 12-16th Dec 2016. (Invited talk)
6. Kamlesh Kumar, Michael Debije, Albert Schenning, (2014), Tuning the Stiffness of Liquid Crystal Networks, European Conference on Liquid Crystals, Manchester, UK. 7-11 Sept 2015.
7. Kamlesh Kumar, Jurica Bauer, Paul Verbunt, Wan-Yu Lin, Hugo Cornelissen, Joan Yu, Cees Bastiaansen, Dick Broer, (2015), Intelligent and Luminous Textiles, Dutch Polymer days, 16-17th March Lunteren, The Netherlands.
8. Kamlesh Kumar, Michael Debije, Albert Schenning, (2014), Tuning the stiffness of materials, 4th Man Power Meeting, Munich, Germany. 16-17 Sept 2014.
9. Kamlesh Kumar, Hugo Cornelissen, Joan Yu, Cees Bastiaansen, Dick Broer, (2014), Intelligent and Luminous Textiles, 5th i-tex meeting, Munich, Germany 1-2 Sept 2014.
10. Kamlesh Kumar, Michael Debije, Albert Schenning, (2014), Synthesis of inorganic -organic hybrid materials, 3rd Man Power Meeting, 26-27th May, Paris, France.
11. Jurica Bauer, Paul Verbunt, Wan-Yu Lin, Kamlesh Kumar, Hugo Cornelissen, Joan Yu, Cees Bastiaansen, Dick Broer, (2014), Intelligent and Luminous Textiles, 4th i-tex meeting, 20-21th May TU Eindhoven, The Netherlands.
12. Indu babu, Kamlesh Kumar, Michael Debije, Albert Schenning, (2014), Low energy harvesting materials, 2nd Man Power Meeting, TU Eindhoven. 26-27 Feb 2014.
13. Kamlesh Kumar, Albert J. J. Woortman, Katja Loos, (2013), Synthesis of Amylose-Polymer Inclusion Complexes by a Novel Preparation Route, 30-31 May 2013, Vleiland, The Netherlands.
14. Kamlesh Kumar, Albert J. J. Woortman, Katja Loos, (2013), Synthesis of Amylose-Polystyrene Inclusion Complexes by a Novel Preparation Route, 13-14th March, Dutch Polymer days, Lunteren, The Netherlands.

15. Manfred Stamm, Kamlesh Kumar, Valeriy Luchnikov, Bhanu Nandan, Svetlana Zakharchenko, Leonid Ionov, (2010) Polymer Tubes by Rolling of Polymer Bilayers, Materials Research Society Spring Meeting, 5th April, 2010, San Francisco, USA. (Invited talk).
16. Fabrication of Metallic/Bimetallic Microtubes using Self-rolled Polymer Tubes as Templates, Spring Meeting of the German Physical Society (DPG), 25th March 2009, Dresden, Germany.
17. Kamlesh Kumar, Valeriy Luchnikov, Bhanu Nandan, Manfred Stamm, (2008) Self-rolled polymer microtubes, 2nd young polymer scientists conference, 13th April 2008, Terni, Italy.
18. Kamlesh Kumar, Indira K. Varma (2005) Enzyme catalyzed ring-opening polymerization, International Conference on Advances in Blends, Composites, IPNs and Gels: Macro to Nanoscales, 21st March 2003, Kottayam, Kerala, India.

Poster presentations

19. Kamlesh Kumar, Ryan Loney, Mariya Chavarha, Shankar B. Ranavare, Stephen B. Hall (2012), Interaction of Hydrophobic Surfactant Proteins with Oriented Phospholipid Bilayers, 56th Biophysical society annual meeting, 25th Feb 2012, San Diego, California, Maryland, USA.
20. Mariya Chavarha, Ryan Loney, Kamlesh Kumar, Shankar B. Ranavare, Stephen B. Hall (2012), Anionic Phospholipids change the Effect of the Hydrophobic Surfactant Proteins on Structures of Hexagonal Lipids, 56th Biophysical society annual meeting, 27th Feb 2012, San Diego, California, Maryland, USA.
21. Kamlesh Kumar, Ryan Loney, Mariya Chavarha, Shankar B. Ranavare, Stephen B. Hall (2012), Interaction of Hydrophobic Surfactant Proteins with Oriented Phospholipid Bilayers” Dutch Polymer days, 12th March 2012, Lunteren, The Netherlands.
22. Kamlesh Kumar, Leonard E. Schulwitz Jr., Thomas M. Weiss, Shankar B. Ranavare, and Stephen B. Hall, (2011) Effect of Hydrophobic Surfactant Proteins on the Structure of Oriented Lipid Bilayers 55th Biophysical society annual meeting, 5th March 2011, Baltimore, Maryland, USA.
23. Kamlesh Kumar, Valeriy Luchnikov, Manfred Stamm, (2009) Toroidal Microcavities Produced by Self-Rolling of Strained Polymer Bilayer, Spring Meeting of the German Physical Society (DPG), 24th March, 2009, Dresden, Germany.
24. Kamlesh Kumar, Valeriy Luchnikov, Manfred Stamm, (2008), Self-rolled polymer microtubes and toroidal microcavities, Spring Meeting of the German Physical Society (DPG), 28th Feb 2008, Berlin, Germany.
25. Kamlesh Kumar, Valeriy Luchnikov, Manfred Stamm, (2007), Self-rolled polymer micro- and nanotubes, in 11th Dresden Polymer Discussion. 16th Sept 2007, Meissen, Dresden, Germany.

Just Participation in conference

26. Kamlesh Kumar, (2014) Dutch Polymer days, 17-18th March, Lunteren, The Netherlands.

Invited talk

27. Kamlesh Kumar, smart Materials, 2nd ICSM conference at MNIT Jaipur, 12-16th Dec 2016.
28. Kamlesh Kumar, Polymer Based Smart Materials, Indian Institute of Technology Bombay, 31st May 2016.

29. Kamlesh Kumar, Liquid Crystal Based Smart Materials, CPSE, Indian Institute of Technology Delhi, 11th May 2016.
30. Kamlesh Kumar, Smart Micro- and nanostructured Materials, Indian Institute of Technology Roorkee, 20th April 2016.
31. Kamlesh Kumar, Liquid Crystal Polymers, Indian Institute of Science Education and Research Mohali 28-29th January 2016.
32. Kamlesh Kumar, Amylose Inclusion Complexes, IIT Jodhpur, 10th November, 2014.
33. Kamlesh Kumar, Carbon micro- and nanotubes, INST, Mohali, India, 31st October, 2014.
34. Kamlesh Kumar, Synthesis of Micro- and nanostructured from polymeric materials, Chemistry Department, IIT Ropar, 29th October 2014.
35. Kamlesh Kumar, Chemistry Department, Leiden University, Netherlands, 14th January, 2014.
36. Kamlesh Kumar, Chemical Engineering and Chemistry, Technical University, Eindhoven, Netherlands, 9th January, 2014.
37. Kamlesh Kumar, Polymer, Metal, Ceramic, Carbon, and Hybrid Microtubes by Strain-Driven Self-Rolling, Chemistry Department, IIT Delhi, 6th Dec 2013.
38. Kamlesh Kumar, Strain-Driven Self-Rolling and Amylose Inclusion Complexes Shiv Nadar University, UP, India, 4th Dec 2013.
39. Kamlesh Kumar, Polymer, Metal, Ceramic, Carbon, and Hybrid Microtubes by Strain-Driven Self-Rolling, School and Workshop on Electro-analytical Techniques, 25th Nov -1st Dec, 2013, Central University Rajasthan, India.