

---

## Publications:

1. Studies on the effect of anionic surfactant on the microemulsion system containing [60]fullerene by Vaishali Suthar, C. N. Murthy\* paper accepted in Journal of Surface Science and Technology, **2015**, ISSN NO: 09769420, 09701893  
manuscript No: JSST\_26\_2014, published by: Indian society for surface science and technology
  2. Study of microemulsion systems with different nonionic surfactants to improve the solubility of [60] Fullerene in water by Vaishali Suthar, C.N. Murthy\* (Paper under preparation)
  3. Effect of alcohols on the phase behavior and solubilization of [60] Fullerene in water using cationic surfactant CTAB in microemulsion system , by Vaishali Suthar, C.N. Murthy\* (Paper under preparation)
  4. Fluorescence studies of [60] fullerene in toluene/water/ionic and nonionic surfactants/1-alkanols microemulsion systems at room temperature, by Vaishali Suthar, C.N.Murthy\* (Paper under preparation)
-

---

### **Conferences, Seminar & Workshop attended, participated**

1. Attended & actively participated in the XXVI Gujarat Science Congress 2012 held on February 26<sup>th</sup>, 2012, organized by The M S University of Baroda & Gujarat Science Academy, Ahmadabad, India.
  2. Attended & actively participated in the National Conference on “Advances in Membrane Processes and Materials (AMPM-13) held on 6<sup>th</sup> April 2013, organized by Applied Chemistry Department, The M S University of Baroda under the aegis of INDIAN MEMBRANE SOCIETY India.
  3. Attended a one Day workshop on “Basics of Intellectual property Rights with special focus on Patents, Trademarks and Copyrights” held on 1<sup>st</sup> February 2013 in the Applied Chemistry Department, Faculty of Technology and Engineering, The M.S. University of Baroda.
  4. Participated in one day National Seminar on “Green Technologies in Unit Operations” Co ordianted by Alumni Association of Applied Chemistry, NIA And GPCB held on 16<sup>th</sup> August 2013.
  5. Poster presented at International Conference ACCIS 2013 Darjeeling on “Anionic surfactant microemulsion system: An approach to solublise [60] fullerene in aqueous media “held during 22<sup>nd</sup> November to 25<sup>th</sup> November 2013
  6. Poster presented at Icon Nano 2013 , International conference on surface science and Nanotechnology, in Biomedical , pharmaceutical , Engineering systems at DDU Nadiad on “Enhancement of Solubility of [60]fullerene In Water Using Nonionic (Triton X-100/Toluene/water) Microemulsion System” held on 10<sup>th</sup> -12<sup>th</sup> December 2013.
  7. Participated in workshop on Scientific Skills: Writing Manuscript, Project proposal, Oral and Poster Presentation organized by Chemical Engineering Department The M S University of Baroda Vadodara on 3<sup>rd</sup> March 2014.
  8. Participated in International conference on “Membrane Based Separations-MEMSEP 2015” held during 21<sup>st</sup> March 2015 to 23<sup>rd</sup> March 2015 organized by Applied Chemistry Department ,The M.S. University of Baroda and Indian Membrane Society at The M.S.University of Baroda,Vadodara Gujarat
-

---

---