

PEER-REVIEWED JOURNAL PUBLICATIONS (Chronological)

H-Index: 17 Citations: 1171 i10-Index: 22

29. Efosa Igbinigun, Yaolin Liu, Ramamoorthy Malaisamy, Vernon Morris and Kimberly Jones, Graphene Oxide Functionalized Polyethersulfone Membrane to Reduce Organic Fouling. *J. Membr.Sci.*,(2016) (accepted).
28. Malaisamy, R., Lepak, L., Spencer, M. and Jones, K.L. Surface modification of porous alumina membranes by collagen layers: performance and characterization. *Sep. Purifi. Technol.*, (2013) 115, 114-122
27. Armstrong N, Ramamoorthy M, Lyon D, Jones K, Duttaroy A (2013) Mechanism of Silver Nanoparticles Action on Insect Pigmentation Reveals Intervention of Copper Homeostasis. **PLoS ONE** 8(1): e53186. doi:10.1371/journal.pone.0053186 (Published online on Jan, 7th, 2013) **(Impact factor 4.0)**
- 26) Fatou Diagne, Ramamoorthy Malaisamy, Vic Boddie, R. David Holbrook, Broderick Eribo, and Kimberly L. Jones, Polyelectrolyte and Silver Nanoparticle Modification of Microfiltration Membranes To Mitigate Organic and Bacterial Fouling. *Environ. Sci. Technol.*, 2012, 46 (7), pp 4025–4033 **(2011 Impact Factor: 5.2)**
25. Malaisamy, R. Talla-Nwafo, A., Jones, K.L. Polyelectrolyte modification of nanofiltration membrane for selective removal of monovalent anions. *Sep. Purif. Technol.*, 2011, 77, 367-374
- 24) Malaisamy, R., Berry, D., Holder, D., Raskin, L., Lepak, L., Jones, K.L., Development of reactive thin film polymer brush membranes to prevent biofouling, *J.Membr.Sci.* 2010, 350, 361-370. **(IF: 4.2)**
- 23) Kouwonou, Y, Malaisamy, R., Jones, K.L., Increasing flux recovery by membrane modification, *Sep.Sci. Technol.* 2008, 43, 4099-4112 *(Selected as outstanding presentation in NAMS-2007 conference and invited to submit a paper to this journal)*
- 22) Ouyang, L.; Malaisamy, R., Bruening, M.L., Multilayer polyelectrolyte films as nanofiltration membranes for separating monovalent and divalent cations *J. Membr. Sci.*, 2008 310 (1-2) 76-84
- 21) Hong, S.U., Malaisamy, R., Bruening, M.L., Separation of fluoride from other monovalent anion using multilayer polyelectrolyte nanofiltration membranes. *Langmuir*. 2007 23(4), 1716-1722 **(IF:4.1)**
- 20) Hong, S.U., Malaisamy, R., Bruening, M.L., Optimization of Flux and Selectivity in Cl⁻/SO₄²⁻ Separations with Multilayer Polyelectrolyte Membranes *J. Membr. Sci.* 2006, 283, 366-372.
- 19) Malaisamy, R.; Bruening, M.L. High-flux Nanofiltration Membranes Prepared by Adsorption of Multilayer Polyelectrolyte Membranes on Polymeric Supports. *Langmuir* 2005, 21 (23), 10587.
- 18) Ulbricht, M.; Malaisamy, R. Insights into the mechanism of molecular imprinting by immersion precipitation phase inversion of polymer blends via a detailed morphology analysis of porous membranes *J. Mater. Chem.* 2005, 15 (14), 1487. **(IF: 6)**
- 17) Malaisamy, R.; Ulbricht, M. Evaluation of molecularly imprinted polymer blend filtration membranes under solid phase extraction conditions *Sep. Purif. Technol.* 2004, 39 (3), 211.
- 16) Mahendran, R.; Malaisamy, R.; Arthanareeswaran, G.; Mohan, D. Cellulose acetate and polyethersulfone blend ultrafiltration membranes. Part. II : Application studies *J. Appl. Polym. Sci.* 2004, 92(6), 3659.

- 15) Mahendran, R.; Malaisamy, R.; Mohan, D. Cellulose acetate and polyethersulfone blend ultrafiltration membranes. Part. I : Preparation and characterizations. **Polym. Adv. Technol.** **2004**, *15*(3), 149.
- 14) Mahendran, R.; Malaisamy, R.; Mohan, D. Preparation, characterization and effect of annealing on performance of cellulose acetate/sulfonated polysulfone and cellulose acetate/epoxy resin blend ultrafiltration membranes. **Eur. Polym. J.** **2004**, *40*(3), 623.
- 13) Annadurai, G.; Malaisamy, R.; Murugesan, T.; Mohan, D. Biodegradation of p-nitrophenol by *Pseudomonas putida* (NICM 2174) immobilized in a novel polymeric matrix **Ind. J. Env. Prot.** **2003**, *23*(4), 364.
- 12) Annadurai, G.; Malaisamy, R. Biodegradation of o-cresol by *Pseudomonas pictorum* [NICM 2074]-immobilized onto polyurethane matrix and optimization of conditions using design experiments **J. Microbiol. Biotechnol. Env. Sci.** **2003**, *5*(3), 275
- 11) Malaisamy, R.; Ulbricht, M. Molecularly imprinted polymer (MIP) blend membranes via immersion precipitation phase inversion **J. Membr. Sci.** **2003**, *217* (1-2), 207.
- 10) Malaisamy, R.; Mohan, D.; Rajendran, M. Polyurethane and sulfonated polysulfone blend ultrafiltration membranes. Part. III. Application studies **Polym Inter**, **2003**, *52*, 412.
- 9) Mahendran, R.; Malaisamy, R.; Mohan, D. Cellulose acetate and epoxy resin blend ultrafiltration membranes. Part I. Preparation, characterizations and application. **J. Macromol. Sci., A-Pure Appl. Chem.** **2002**, *A39*(9), 1025.
- 8) Malaisamy, R.; Mahendran, R.; Mohan, D.; Rajendran, M.; Mohan, V. Cellulose acetate and sulfonated polysulfone blend ultrafiltration membranes. I. Preparation and characterization. **J. Appl. Polym. Sci.**, **2002**, *86*, 1749.
- 7) Malaisamy, R.; Mohan, D.; Rajendran, M. Polyurethane and sulfonated polysulfone blend ultrafiltration membranes. Part. I. Preparation and characterization studies. **J. Coll. Interface Sci.** **2002**, *254* (1), 129
- 6) Malaisamy, R.; Mahendran, R.; Mohan, D. Cellulose acetate and sulfonated polysulfone blend ultrafiltration membranes. II. Molecular weight cut off, pore statistics and morphological studies **J. Appl. Polym. Sci.** **2002**, *84* (2), 430.
- 5) Malaisamy, R.; Mohan, D. Cellulose acetate and sulfonated polysulfone blend ultrafiltration membranes. Part. III. Application studies **Ind. Eng. Chem. Res.** **2001**, *40*, 4815.
- 4) Umopathy, M.J.; Malaisamy, R.; Mohan, D. Kinetics and mechanism of phase transfer catalysed free radical polymerization of methyl acrylate **J. Macromol. Sci., A-Pure Appl. Chem.** **2000**, *A37* (11), 1437.
- 3) Sivakumar, M.; Malaisamy, R.; Sajitha, C.J.; Mohan, D.; Mohan, V.; Rangarajan, R. Preparation and performance of Cellulose Acetate - Polyurethane blend membranes and their applications - (II) **J. Membr. Sci.** **2000**, *169*(2), 215.
- 2) Malaisamy, R.; Annadurai, G.; Mohan, D. Performance optimization of Polysulfone Ultrafiltration membranes for Riboflavin separation using Design Experiments. **Bio Proc. Eng** **2000**, *22* (3), 227.
- 1) Sivakumar, M.; Malaisamy, R.; Sajitha, C.J.; Mohan, D.; Mohan, V.; Rangarajan, R. Ultrafiltration application of Cellulose Acetate – Polyurethane blend membranes. **Eur. Polym. J** **1999**, *35* (9), 1647.

PRESENTATIONS

54. **Ramamoorthy Malaisamy**, Ryane Rollock, Yaolin Liu and Kimberly Jones. **Fouling Mechanisms and Control Strategies in Membrane Filtration of Hanford Tank Waste.** *Presented at the National Capital Region Water Resources Symposium: Rethinking the Value of Water: Innovations in Research, Technology, Policy, and Management*, University of District of Columbia, Washington, DC. April 8, **2016**
53. **Ramamoorthy Malaisamy**, Ryane Rollock, Yaolin Liu and Kimberly L. Jones, Effect of PAC in Fouling Control of Soluble Inorganics in Cross-Flow Microfiltration during Nuclear Waste Treatment, Presented at the Howard University Research Week Symposium, Howard University, Washington, DC. 16th April, **2015**.
52. **Yaolin Liu**, *Patrick Ymele-Leki*, *Malaisamy Ramamoorthy* and *Kimberly Jones*, Impacts of nanomaterials on bacterial growth, biofilm Formation, and microbial community function, Presented at the Environmental Chemistry Division, 249th ACS National Meeting & Exposition, March 22-26, **2015**, Denver, CO
51. Y Liu, S Campbell, M Ramamoorthy, K Jones “Column studies of Fate and Transport of Titanium Dioxide and Silver Nanoparticles from Biosolids through Porous Media” **2014** ICEENN Conference , September 9 – 11, Columbia, SC.
50. **Yaolin Liu**, Efosa Igbiginu, Ramamoorthy Malaisamy, Vernon Morris and Kimberly Jones, Membrane functionalized with graphene-oxide nanosheets to impart antibiofouling and antiviral properties. Presented at the 248th ACS National meeting & Exposition, *Environmental Chemistry Division*, **San Francisco, CA, USA** 10-14, August, **2014**. (Lecture)
49. **Ramamoorthy Malaisamy**, Efosa Igbiginu, Yaolin Liu, Kimberly Jones and Vernon Morris, Graphene-oxide – Polyethersulfone composite membranes: fabrication and performance evaluation. Presented at the 248th ACS National meeting & Exposition, *Environmental Chemistry Division*, **San Francisco, CA, USA** 10-14, August, **2014**. (Lecture)
48. **Ramamoorthy Malaisamy**, Recent trends in membrane surface modification for desalination and fouling control, Presented at the Department of Chemistry, Periyar University, Salem, INDIA on July 4th, **2014 (Invited Special Lecture)**.
47. **R.Rollock**, Ramamoorthy Malaisamy, Yaolin Liu and Kimberly Jones, Understanding the Fouling Mechanisms of Cross-Flow Filtration Systems for Nuclear Waste Applications, North American Membrane Society annual conference, Houston, TX, USA, May, 31-June 4th, **2014**. (Lecture)
46. Efosa Igbiginu, **Ramamoorthy Malaisamy**, Yaolin Liu, Kimberly Jones and Vernon Morris. Graphene oxide functionalized polyethersulfone membrane: Fabrication and characterization. North American Membrane Society annual conference, Houston, TX, USA, May, 31-June 4th, **2014** (Poster)
45. Ramamoorthy Malaisamy, **Kimberly Jones**, Membrane surface modification for control of fouling and selectivity, Presented at the 246th ACS National Meeting and Exposition (Session: 197 Division of Environmental Chemistry – Membranes for Water purification) Indianapolis, IN, USA from September 8-12, **2013** (Lecture).

44. **Fatou Diagne**, Ramamoorthy Malaisamy and Kimberly Jones, Integrated Nanocomposite Membranes to Reduce Bio/Organic Fouling, Presented at the Education and Research conference organized by the Association of Environmental Engineering and Science Professors meeting in University of South Florida, Tampa, FL from 9-11, July, 2011 (Poster).
43. **Fatou Diagne**, Ramamoorthy Malaisamy, Kimberly L Jones, Addressing organic and biofouling in membrane separation by membrane surface modification, Presented at the Annual Conference & Exposition of the American Water Works Association (Session: TUE33 Research Division and Universities Forum Posters) held in Washington, DC from 12-16, June, 2011 (Poster) (**Awarded the best poster in the session**).
42. Karel Morgan-Evans, **Ramamoorthy Malaisamy**, Kimberly L Jones, Transport studies of *nano*-Titanium dioxide in porous medium, Presented at the Gordon Research Conference on Environmental Nanotechnology held in Waterville valley, NH on May 29 – June 2, 2011. (Poster)
41. Fatou Diagne, Ramamoorthy Malaisamy, **Delina Lyon**, Kimberly L Jones, Multilayer Polyelectrolyte Membranes with Embedded Silver Nanoparticles to Reduce Organic Fouling and Biofouling in Separation Processes, Presented at the Gordon Research Conference on Environmental Nanotechnology, in Waterville valley, NH, from May 29-June 2, 2011.
40. Fatou Diagne, Ramamoorthy Malaisamy, Delina Lyon and **Kimberly Jones**, Preventing fouling of microfiltration membranes: Effect of bacteria concentration, nanoAg and natural organic matter. Presented at the 3rd International Conference on Environmental Implications of Nanotechnology, iCEIN, Duke University, Durham, NC, USA. May, 9-11, 2011 (Poster by co-author)
39. **Karel Morgan-Evans**, Ramamoorthy Malaisamy, Kimberly L Jones, Transport studies of *nano*-Titanium dioxide in porous medium, Presented at the 3rd International Conference on Environmental Implications of Nanotechnology, iCEIN, Duke University, Durham, NC, USA. May, 9-11, 2011 (Lecture by co-author)
38. Fatou Diagne, Ramamoorthy Malaisamy, Kimberly L Jones, Silver-nanoparticle-embedded polyelectrolyte multilayers developed onto membranes to address organic and biofouling in membrane separation processes, Presented at the 241st ACS National meeting, Division of Environmental Chemistry (paper 228), **Anaheim, CA, USA** (Poster co-author).
37. Ramamoorthy Malaisamy, Karel Morgan-Evans, **Fatou Diagne**, Kimberly L Jones, Characterization of modified-porous beads, Titania nanoparticles and adsorption isotherms. Presented at the 241st ACS National meeting, Division of Environmental chemistry, Measurements and Methods in Environmental Nanotechnology session (paper 156), **Anaheim, CA, USA** (Lecture by co-author).
36. Ramamoorthy Malaisamy, Attended 2-day National Research Council's National Academies Press workshop/symposium on "Challenges in characterizing small particle: exploring particles from the nano-to microscales". October, 25-26, 2010 Washington plaza hotel, **Washington DC**
35. **Fatou Diagne**, Ramamoorthy Malaisamy, and Kimberly L. Jones, "Ag-Nanoparticle Modification of Microfiltration Membranes for Biofouling Reduction and Increased Flux Recovery". Presented at the North American Membrane Society Conference, July, 17-22, 2010, **Washington, DC**.
34. Fatou Diagne, **Malaisamy Ramamoorthy**, Kimberly Jones, "Integrating Silver Nanoparticles into polyelectrolyte layers for membranes Biofouling Control", presented at the International Conference on Environmental Implications of Nanotechnology, iCEIN, May 11-13, 2010, **Los Angeles, CA**.
33. **Ramamoorthy Malaisamy**, Fatou Diagne, Karel Morgan-Evans, Yohan Bobcombe and Kimberly L. Jones, Batch Deposition Studies of *nano*-TiO₂ in Porous Medium, 2nd International Conference on Environmental Implications of Nano Technology, iCEIN, University of California Los Angeles, **CA, USA**. May 10-12, 2010 (Poster).
32. F.Diagne, **R.Malaisamy** and Kimberly Jones, Integrated nano composite membranes for biological and organic fouling prevention, 239th ACS National meeting, Division of

Environmental Chemistry, Nanoporous Materials for Environmental Applications session, Mascone convention center, San Francisco, **CA, USA**. March 21-25, 2010 (Lecture) (Selected as **Best presentation in terms of content and manner**).

31. **R.Malaisamy**, 1st International Conference on Environmental Implications of Nanotechnology, ICEIN, Howard University, Washington, **DC, USA**, September, 9-11, 2009 (Registered participant)
30. **R.Malaisamy**, Fatou Diagne, Andy Hai-Ting, James Mitchell and Kimberly Jones, Polyelectrolyte-Silver Nanoparticle Multi-Layer Assembly for Biological and Organic Fouling Prevention. Proc. of *the Annual North American Membrane Society (NAMS) conference*, Francis Marion Hotel, Charleston, **SC, USA**. June 20-24, 2009 (Lecture).
29. **R.Malaisamy**, Alain Talla and Kimberly Jones, Surface Modification of Nanofiltration Membrane by Polyelectrolyte Thin Films for Selective Monovalent Ion Removal. Proc. of *the Annual North American Membrane Society (NAMS) conference*, Francis Marion Hotel, Charleston, **SC, USA**. June 20-24, 2009 (Lecture).
28. **R.Malaisamy**, Yao Kouwonou, David Berry, Diane Holder, Lutgarde Raskin and Kimberly Jones. Studies on Anti-biofouling and Anti-bacterial microfiltration membranes by membrane surface modification using UV grafting. Proc. of *The 13th IACIS International Conference on Surface and Colloid Science and the 83rd ACS Colloid & Surface Science Symposium*, Columbia University New York City, **NY, USA**. June 14 – 19, 2009 (Poster).
27. **R. Malaisamy**, Fatou Diagne, Andy-Hai-Ting, James Mitchell and Kimberly L. Jones. Integrated Polyelectrolyte-Silver Nanoparticle Multi-layer Assembly for Fouling Prevention in Membrane Separation Processes. Proc. of *The International Conference on Particle Separation and Nanoparticles in Water*, Duke University, Durham, **NC, USA**. June 3-5, **2009** (Lecture).
- 26) **R.Malaisamy**, Alain Talla and Kimberly L.Jones, Surface Modification of Polyamide Nanofiltration Membrane by Electrostatic Self Assembly of Polyelectrolyte Multilayers for Selective Monovalent Ion Removal, Proc. of *The 2nd Annual Nanotechnology Symposium, Howard University, Washington, DC, USA*. November 20-21, **2008** (Poster).
- 25) **R.Malaisamy**, L.Lepak, M.Spencer, K.L.Jones, Development and Characterization of Modified Alumina Membrane for Biomolecule Separation, Proc. of *The 9th Annual Nanobiotechnology Symposium, Cornell University, Ithaca, NY, USA*. October 27, **2008** (Poster). (Also presented at *The 2nd Annual Nanotechnology Symposium, Howard University, Washington, DC, USA*. November 20-21, **2008**).
24. Ramamoorthy Malaisamy, Yao Kouwonou, **Fatou Diagne**, David Berry, Lugarde Raskin, Lori Lepak, Michael Spencer, Kimberly L.Jones, Membrane modification to reduce biofouling: Influence of monomer on permeability, biofilm growth and flux recovery. Proc. of 2008 IWA North American Membrane Research Conference, **Amherst, MA, USA** August 10-13, **2008** (Poster).
23. **R.Malaisamy**, L.Lepak, M.Spencer, K.L.Jones, Development and Characterization of Ceramic Microfiltration Membrane Devices for Biomolecule Separation. Proc. of International Congress on Membranes and Membrane Processes, ICOM 2008, Honolulu, **HI, USA**, July 13-18, **2008** (Lecture)
22. **R.Malaisamy**, D.Berry, D.Holder, L.Raskin, L.Lepak and K.L.Jones, Modification of MF membranes: Implications for Biofouling, Flux, Recovery and Antibacterial Properties. Proc. of International Congress on Membranes and Membrane Processes, ICOM 2008, Honolulu, **HI, USA**, July 13-18, **2008** (Lecture).
21. **R.Malaisamy**, D.Berry, T.B.Borell, D.Holder, L.Raskin, K.L.Jones, Surface modification of microfiltration membranes to decrease biofouling.. Proc. of *235th ACS National Meeting, New Orleans, LA, USA* April, 6-10, **2008** (Lecture).
20. **R.Malaisamy**, D.Berry, L.Raskin and K.L.Jones, "Development of Novel Hydrophilic Bactericidal Membranes" Proc. of *2007 AIChE Annual Meeting, Salt Lake City, UT, USA*. November, 5-9, **2007** (Lecture).

19. J.N.A. Matthews, H.Mohamed, **R.Malaisamy**, K.L. Jones, J.N. Turner, "Effect of Concentration on the Surface Properties and Performance of Nanofiltration Membranes" Proc. of *The 8th Annual Nanobiotechnology Symposium, Cornell University, Ithaca, NY, USA*. October 1, **2007** (Poster).
18. L. Ouyang, **R.Malaisamy**, M.L.Bruening "Multilayer Polyelectrolyte Films as Nanofiltration Membranes for Cation Separations" Procs. of *NAMS Meet Orlando, FL, USA*. May. 12-16, **2007** (Poster)
17. **R.Malaisamy**, Y. Kouwonou and K.L.Jones, Biofouling Potential of Graft-surface Modified Microporous Polyethersulfone Membranes Procs. of *NAMS Meet, Orlando, FL, USA*. May. 12-16 **2007** (Lecture)
- 16) **Y. Kouwonou**, R. Malaisamy, and K.L. Jones, PA/Chesapeake AWWA Joint Conference *Hershey, PA, USA* April 24-27, 200, 2007. (Lecture)
- 15) R. Malaisamy, **Y. Kouwonou**, and K.L. Jones, "Biofouling potential of surface modified microporous polyethersulfone membranes" Sustainability in Water Supply: Advanced Membrane Technology for Water Reuse, Proc. of *233rd ACS National Meeting, Chicago, IL, USA* March 25-29, **2007** (Poster)
- 14) **Malaisamy**, R.; Bruening, M.L., "Polyelectrolyte-modified Polymer membranes for Humic Acid Removal" Proc. of *NAMS Meet, Chicago, IL, USA* 13-17 May. **2006** (Poster)
- 13) **Ulbricht, M.** Malaisamy, R. "Molecularly imprinted polymer blend membranes via precipitation phase inversion for substance-specific solid-phase extraction" Proc. of *ICOM 2005, Seoul, SOUTH KOREA* 21-26 August **2005** (Lecture)
- 12) **Malaisamy**, R.; Miller, M.; Bruening, M.L. "Formation of High-flux Membranes by Deposition of Multilayer Polyelectrolyte Films on Porous Supports" *NAMS Meet, Providence, RI, USA*. 11-15 May. **2005** (Lecture)
- 11) **Ulbricht, M.;** Malaisamy, R. "Molecularly imprinted polymer blend membranes via precipitation phase inversion for affinity solid-phase extraction" *Euromembrane 2004, Hamburg, GERMANY*, 28, Sep-1 Oct **2004** (Lecture).
- 10) **Miller, M.;** Stanton, B.; Liu, X.; Malaisamy, R.; Bruening, M.L. Merlin Bruening, "Multilayer polyelectrolyte films for nanofiltration of salts and neutral molecules" *Gordon Research Conference on Membranes: Materials and Processes, New London, NH, USA*. August 1-6, **2004** (Poster).
- 9) **Malaisamy**, R.; Ulbricht.M. "Surface and volume morphological characterization of molecularly imprinted polymer membranes by microscopic techniques" Proc. of the "*Synthetic Receptors 2003*" at *Lisbon, PORTUGAL*, Oct. 15-17, **2003**. (Poster).
- 8) **Malaisamy R.;** Ulbricht.M. "Preparation of Molecularly Imprinted Polymer (MIP) blend filtration membranes by precipitation phase inversion" Proc. of the International Conference on Membrane processes on green technologies, *PERMEA 2003*, at *Tatranske Matliare, SLOVAKIA* in Sept., 7-11, **2003**. (Lecture).
- 7) **Malaisamy**, R.; Mohan, D.; Ulbricht, M. "Preparation of Molecularly Imprinted Polymer (MIP) blend filtration membranes by precipitation phase inversion" Proc. of the North American Membrane Society meeting, *NAMS*, at *Jackson Hole, WY, USA*, May 19-21, **2003** (Lecture).
- 6) **Malaisamy**, R.; Ulbricht, M. "Molecularly Imprinted Polymer blend membranes by immersion precipitation phase inversion" Proc. of the "*9th Aachen membrane colloquium*", at *Aachen, GERMANY*, 18-20th Mar. **2003**, p.6.5.1-6.5.6 (Poster).
- 5) **Malaisamy R.;** Schneider, F.; Ulbricht, M. "Membrane adsorbers with tailored binding specificity via molecular imprinting of polymer surfaces" Proc. of the Seminar on '*Stand der Membrantechnik im industriellen Einsatz*', at *DECHEMA e.V Frankfurt, GERMANY*, 6th Nov. **2002**, p.15 (Poster). (**Awarded as the second best poster presentation**).

- 4) Mahendran, R.; **Malaisamy, R.**; Mohan, D.; Mohan, V.; Rajendran, M. "Cellulose acetate - epoxy resin blend ultrafiltration membranes preparation and characterizations" Proc. of the Seminar on "*Membrane technologies for water and waste water reclamation*", at *Chennai, INDIA*, Feb. **2001**, 111-116 (Lecture).
- 3) **Sivakumar, M.**; Malaisamy, R.; Sajitha, C.J.; Mohan, D.; Mohan, V. "Preparation and performance evaluation of Cellulose acetate-Polysulfone blend membranes by ultrafiltration" Proc. of the 4th national Symposium on "*Progress in Materials Research*", at *IMRE Singapore, SINGAPORE*, Mar. **1998**, 250-254 (Lecture).
- 2) **Malaisamy, R.**; Sivakumar, M.; Mohan, D.; Mohan, V. "Preparation, Characterisation and Application of Polysulfone ultrafiltration membranes" Proc. of the IUPAC International symposium on advances in Polymer Science and Technology, *MACRO-98*, at *Chennai, INDIA*, Jan. **1998**, 499-502 (Lecture).
- 1) Malaisamy, R.; Sivakumar, M.; Mohan, D. "Studies on Polysulfone membranes by ultrafiltration" Proc. of Golden Jubilee congress and *CHEMCON-97*, at *New Delhi, INDIA*, Dec. **1997**, 1138-1146. (Poster)

Other publications and editorial activities

1. Article entitled, "Modifying Water-Purification Membranes with Nanomaterials" appeared in October, 12, 2015 issue of www.hbsciui.com online at <http://hbsciui.com/2015/10/12/modifying-water-purification-membranes-with-nanomaterials/>
2. Acted as the *lead guest editor* for the special issues of "Nano-enabled Membranes for Water Treatment", in Journal of Chemistry, Hindawi Publishing Corporation. 2015-2016. <http://www.hindawi.com/journals/jchem/si/838542/cfp/>