

Research Interest:

The main aim is to study the Climate Change, Environmental Pollution, Global Warming and Air Quality, waste water management etc.

Journal Publications:

1. **Safia Hassan**, Laurent Duclaux, Jean-Marc L  v  que, Laurence Reinert, Amjad Farooq, Tariq Yasin. Effect of cation type, alkyl chain length, adsorbate size on adsorption kinetics and isotherms of bromide ionic liquids from aqueous solutions onto microporous fabric and granulated activated carbons” Journal of Environmental Management, 2014, Volume 144, 1 Pages 108–117
2. **Safia Hassan**, Tariq Yasin. “Synthesis of radiation crosslinked poly (acrylic acid) in the presence of phenyltriethoxysilane” Journal of radiation Physics and chemistry” 2014, volume 97, p. 292.
3. **Safia Hassan**, A Farooq, M A Ahmad, N Irfan, M Tufail, L Duclaux "Activated Carbons Employed to Remove Ionic Liquids from Aqueous Solutions" The Nucleus Journal, 2011, Vol:48(3) pp:237.
4. **Safia Hassan**, Tariq Yasin. “Role of tailored surface of Activated Carbon for adsorption of Ionic liquids for environmental remediation” International journal of environmental science and technology, DOI: 10.1007/s13762-014-0678-9.
5. **Safia Hassan**, Tariq Yasin. “Novel Silane based crosslinked chitosan/poly (vinyl alcohol) membrane, Synthesis, Characterization and application in adsorption of dyes” Carbohydrate Polymers. (Under Review)
6. S. S. Batool, **Safia Hassan**, Z. Imran, M. A. Rafiq, Mushtaq Ahmad, M. M. Chaudhry, M. M. Hasan, “The enhancement in photocatalytic activity of bismuth modified silica and bismuth silicate nanofibers” Catalysis Communications, 2014, Vol:49(5) pp: 39–42
7. Saira bibi; Tariq Yasin, PhD; **Safia Hassan**; “Muhammad Riaz, PhD; Mohsin Nawaz, “Chitosan/CNTs Green Nanocomposite Membrane: Synthesis, Swelling and Polyaromatic Hydrocarbon Removal” Materials Science and Engineering: C, 2015, Volume 46, 1 Pages 359–365,

Conferences/Workshops/Visits:

1. **Safia Hassan**, Amjad Farooq, Laurence Reinert, Jean-Marc Leveque, Naseem Irfan, Laurent Duclaux " Removal of ionic liquids from aqueous streams onto microporous activated carbons: effect of surface chemistry and porous structure" CESEP 2011, Vichy, France (9/25/2011-9/29/2011).
2. **Safia Hassan**, Amjad Farooq, Muhammad Awais Ahmad, Naseem Irfan, Muhammad Tufail, Presented at "Activated Carbons Employed to Remove Harmful Metals from Aqueous Solutions" "Current Environmental Pollution Scenario of Pakistan: Findings and Remediation" October 27-29th, 2010, PINSTECH, Islamabad.
3. **Safia Hassan**, Amjad Farooq, Laurence Reinert, Jean-Marc Leveque, Naseem Irfan, Laurent Duclaux "Removal of ionic liquids from aqueous streams onto microporous activated carbons: Effect of surface chemistry and porous structure" CARBON 2012, Krakow, Poland (6/17/2012-6/22/2012)
4. Amjad Farooq, **Safia Hassan**, Laurence Reinert, Jean-Marc Leveque, Naseem Irfan, Laurent Duclaux "Impregnation of TEDA onto activated carbon at pilot scale level" CARBON 2012, Krakow, Poland (6/17/2012-6/22/2012).
5. Amjad Farooq, **Safia Hassan**, Muhammad Jibran, Faran Nabeel, Naseem Irfan, Muhammad Tufail, "Treatment of activated carbon with specific compounds for environmental safety", International Conference on Power Generation, Systems and Renewable Energy Technologies (PGSRET)'Nov 29 to Dec. 2, 2010, Islamabad.
6. "Short course on activated carbon and their environmental applications" 13-14 December, 2010 (Mon-Tue) Venue: PIEAS, Nilore, Islamabad
7. "Advanced Software Workshop for Analysis and Interpretation of Air Quality Data", October 25-26, 2010, PINSTECH, Islamabad.

Awards:

1. One year Internship at Government girls high school Bhakar, Pakistan
2. Indigenous Scholarship offered by Higher Education Commission (HEC) of Pakistan for PhD studies.
3. French Sandwich Ph.D. Fellowship program offered by the French Embassy, Pakistan

Academics:

- ❖ PhD: Environmental Science and Engineering, Pakistan Institute of Engineering and Applied Sciences, Islamabad, Pakistan, 2007-2014.
- ❖ M.S.C Analytical Chemistry

Reference:**1. Dr. Tariq Yasin (PhD Supervisor)**

Professor

DMME, PIEAS, Islamabad, Pakistan

E-mail: yasintariq@yahoo.com

2. Dr. Muhammad Mansha Chaudhry (PhD Co-Supervisor)

Professor,

PIEAS, Islamabad, Pakistan

E-mail: fac102@pieas.edu.pk

3. Prof. Laurent Duclaux,

LCME, Université de Savoie,

Tel: 04-79-75-88-05

Email: laurent.duclaux@univ-savoie.fr