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## Research Profile

**Total Impact Factor** **64.554**

## **International Publications in Peer Reviewed HEC Recognized ISI Journals**

- 1) **M.Shafiq**, A.Sabir; A.Islam, S. M. Khan, S. N.Hussain; M.T.Z.Butt; T.Jamil, Development and performance characteristics of silane crosslinked poly(vinyl alcohol)/chitosan membranes for reverse osmosis **Journal of Industrial and Engineering Chemistry(Accepted Manuscript) (2016) (I.F=4.179)**
  
- 2) Saba Khurshid, Amna Shoaib, Arshad Javaid, Fozia Akhtar, **Muhammad Shafiq**, Uzma Qaisar, Management of Fusarium wilt of tomato by soil amendment with Cenchrus pennisetiformis under chromium stress **Physiological and Molecular Plant Pathology(Accepted Manuscript) (2016) (I.F= 1.66)**
  
- 3) Shahid Rafi, Amna Shoaib Zoia Arshad Awan, Nayab Batool Rizvi, Nafisa, **Muhammad Shafiq**, Chromium tolerance, oxidative stress response, morphological characteristics and FTIR studies of phytopathogenic fungus Sclerotium rolfsii **Folia Microbiologica (Accepted Manuscript) (2016) (I.F= 1.335)**
  
- 4) Aneela Sabir, Wail Falath, Karl I.Jacob, **Muhammad Shafiq**, Muhammad Azeem Munawar, Atif Islam, Nafisa Gull, Muhammad Taqi Zahid Butt, Khairuddin Sanaullah, Tahir Jamil Hyperbranched polyethyleneimine induced polycationic membranes for improved fouling resistance and high RO performance **European Polymer Journal (Accepted Manuscript) (2016) (I.F= 3.485)**
  
- 5) Wasim M, Sabir A, **Shafiq M**, Islam A, Jamil T Preparation and characterization of composite membrane via layer by layer assembly for desalination **Applied Surface Science (Accepted Manuscript) (2016) (I.F= 3.150).**

- 6) Sabir A, Falath W, Jacob KI, **Shafiq M**, Gull N, Islam A, Munawar MA, Zia S, Khan SM, Shafeeq A, Butt MTZ, Jamil T Integrally skinned nano-cellular crosslinked asymmetric thin films infused with PEO-PPO-PEO block copolymer/ZnO-NPs for desalination using sea salt **Materials Chemistry and Physics** XXX (2016) 1-11 (I. F 2.503).
- 7) Islam A, Yasin T, Gull N, Khan SM, Sabir A, Munawwar MA, **Shafiq M**, Jamil T, Raza MH Fabrication and performance characteristics of tough hydrogel scaffolds based on biocompatible polymers **International Journal of Biological Macromolecules** 92 (2016) 1–10 (I.F=3.220).
- 8) Khan SM, Gull N, Munawwar MA, Zia S, Anjum A, Iqbal MS, **Shafiq M**, Islam A, Awais SM, Butt MA, Butt MTZ, Jamil T. Polyphenylene sulphide/carbon fiber composites: study on their thermal, mechanical and microscopic properties **Iranian Polymer Journal** Iran Polym J 25 (2016) 475–485 (I.F 1.806).
- 9) Anjum F, Gull N, Khan SM, Munawar MA, Islam A, Niazi SI, Zia S, **Shafiq M**, Butt MTZ, Jamil T Mechanical, thermal and microscopic profile of novel glass fiber reinforced polyester composites as a function of barium sulphate loading **Advances in Polymer Technology (Accepted Manuscript)** (2016) (I.F=1.114).
- 10) Khan SM, Gull N, Munawar MA, Islam A, Zia S, **Shafiq M**, Sabir A, Awais SM, Butt MA, Butt MTZ, Jamil T. 2D Carbon Fiber Reinforced High Density Polyethylene Multi-layered Laminated Composite Panels: Structural, Mechanical, Thermal and Morphological Profile **Journal of Materials Science & Technology (Accepted Manuscript)** (I.F= 2.267).
- 11) Khan YH, Islam A, Sarwar A, Gull N, Khan SM, Munawar MA, Zia S, Sabir A, **Shafiq M**, Jamil T Novel green nano composites films fabricated by indigenously synthesized graphene oxide and chitosan **Carbohydrate Polymers** 146 (2016) 131–138 (I.F=4.689). Cited by 1
- 12) Munawar MA, Khan SM, Gull N, Islam A, **Shafiq M**, Zia S, Sabir A, Ghouri AS, Butt MTZ, Jamil T Fabrication and characterization of novel zirconia filled glass fiber reinforced polyester (GFRP) hybrid composites **J Applied Polymer Science** 133 (2016) 43615 (I.F=1.866).
- 13) Gull N, Khan SM, Islam A, Zia S, **Shafiq M**, Sabir A, Munawar MA, Butt MTZ, Jamil T Effect of Different Oxidizing Agents on Polyaniline/Single Walled Carbon Nanotube Composites synthesized via Ultrasonically Initiated in-situ Chemical Polymerization

**Materials Chemistry and Physics xxx (2016) 1-8 (Article in Press) (I. F 2.503).**

- 14) Islam A, Yasin T, Gull S, Khan SM, Munawwar MA, **Shafiq M**, Sabir A, Jamil T Evaluation of selected properties of biocompatible chitosan/poly (vinyl alcohol) blends **International Journal of Biological Macromolecules 82 (2016) 551–556 (I.F=3.22).**
- 15) Ahmad A, Waheed S, Khan S. M, Sabad-e-Gul, **Shafiq M**, Farooq M, Sanaullah K, Jamil T Effect of silica on the properties of cellulose acetate/polyethylene glycol membranes for reverse osmosis **Desalination 355 (2015) 1–10 (I.F=4.8).**
- 16) Sabir A, **Shafiq M**, Islam A, Jabeen F, Shafeeq A, A Ahmad, Butt MTZ, Jacob KI, Jamil T Conjugation of silica nanoparticles with cellulose acetate/polyethylene glycol 300 membrane for reverse osmosis using MgSO<sub>4</sub> solution **Carbohydrate Polymers 136 (2016) 551–559 (I.F=4.689).**
- 17) Islam A, Imran Z, Yasin T, Gull N, Khan S M, **Shafiq M**, Sabir A, Munawar M A, Raza MH, Jamil T An investigation of AC impedance and dielectric spectroscopic properties of conducting chitosan-silane crosslinked-poly (vinyl alcohol) blended films **Materials Research (2015) (I.F=0.793)** 10.1590/1516-1439.043715; Page 1-8.
- 18) Sabir A, **Shafiq M**, Islam A, Sarwar A, Dilshad MR, Shafeeq A, Butt MTZ, Jamil T Fabrication of tethered carbon nanotubes in cellulose acetate/polyethylene glycol-400 composite membranes for reverse osmosis **Carbohydrate Polymers 132 (2015) 589–597 (I.F=4.689).** [Cited by 2](#)
- 19) Islam A, Yasin T, Sabir A, Khan SM, Sultan M, **Shafiq M**, Khan AU, Jamil T High-temperature electrical properties of silane cross-linked chitosan/poly(vinyl alcohol) membrane: thermal, mechanical and surface characterization **e-Polymers 15(4) (2015) 255–261 (I.F=0.569).**
- 20) Sabir A, Islam A, **Shafiq M**, Shafeeq A, Butt M. T. Z, Ahmad N. M, Sanaullah K. Jameel T Novel polymer matrix composite membrane doped with fumed silica particles for reverse osmosis desalination **Desalination 368 (2015) 159–170 (I.F=4.8).** [Cited by 3](#)
- 21) Sabir A, **Shafiq M**, Islam A, Khan SM, Jamil T, Zahid MT, Shafeeq A, Shahzad A, Bhatti AS, Habib Y, Behzad S and Jabeen S Influence of polyethylene glycol 600 on

cellulose acetate membranes for reverse osmosis desalination **Polymer Research Journal** 9(2) (2015) 291-302 (Nova Publishers).

- 22) Gull N, Khan SM, Munawar MA, **Shafiq M**, Anjum F, Butt MTZ, Jamil T Synthesis and characterization of zinc oxide (ZnO) filled glass fiber reinforced polyester composites **Materials & Design** 67 (2015) 313-317 (I.F=3.997)
- 23) Suleman S, Khan SM, Gull N, Aleem W, **Shafiq M**, Jamil T Synthesis and Characterization of Visco-Elastic (VE) Polyurethane Foam **International Journal of Innovation and Applied Studies** 9 (2014) 1878-1886
- 24) Suleman S, Khan SM, Jamil T, Aleem W, **Shafiq M**, Gull N Synthesis and Characterization of Flexible and Rigid Polyurethane Foam **Asian Journal of Applied Sciences** 2 (2014)
- 25) Suleman S, Khan SM, Gull N, Aleem W, **Shafiq M**, Jamil T A Comprehensive Short Review on Polyurethane Foam **International Journal of Innovation and Scientific Research** 12 (2014) 165-169
- 26) Zia KM, Mahmood K, Zuber M, Jamil T, **Shafiq M** Chitin based polyurethanes using hydroxyl terminated polybutadiene. Part I: Molecular engineering **International Journal of Biological Macromolecules** 59 (2013) 320-327 I.F=(3.220)