List of International Publications/ Books/ Chapters

Total Impact Factor (142.86)

h-index (11)

1) **Aneela Sabir**, 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.

2) **Aneela Sabir**, 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 MgSO4 solution. **Carbohydrate Polymers 136 (2016) 551–559.**

3) **Aneela Sabir**, Islam A, Shafiq M, Shafeeq A, Butt M. T. Z, Ahmad N. M, Sanaullah K, Jamil T Novel polymer matrix composite membrane doped with fumed silica particles for reverse osmosis desalination **Desalination** 368 **(2015)** 159–170**.**

4) **Aneela Sabir**, Wail Falath, Karl I. Jacob, Muhammad Shafiq, Nafisa Gull, Atif Islam, Muhammad Azeem Munawar, Saba Zia, Shahzad Maqsood Khan, Amir Shafeeq, Muhammad Taqi Zahid Butt, Tahir Jamil. 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, Volume 183, 1 November 2016, Pages 595-605.** Wail Falath, **Aneela Sabir**, Karl I. Jacob. Novel reverse osmosis membranes composed of modified PVA/Gum Arabic conjugates: Biofouling mitigation and chlorine resistance enhancement**.Carbohydrate Polymers, Volume 155, 2 January 2017, Pages 28-39.**

5) Wail Falath, **Aneela Sabir**, Karl I. Jacob. Highly improved reverse osmosis performance of novel PVA/DGEBA cross-linked membranes by incorporation of Pluronic F-127 and MWCNTs for water desalination. **Desalination, Desalination, Volume 397, 1 November 2016, Pages 53-66.**

6) Decoration of open pore network in Polyvinylidene fluoride/MWCNTs with chitosan for the removal of Reactive Orange 16 dye. Maria Wasim, Sadia Sagar, Aneela Sabir, Muhammad Shafiq, Tahir Jamil. **Carbohydrate Polymers .**

7) Muhammad Shafiq, **Aneela Sabir**, Atif Islam, Shahzad Maqsood Khan , Nafisa Gull ,Syed Nadir Hussain , Muhammad Taqi Zahid Butt, Cellulose acetate based thin film nanocomposite reverse osmosis membrane incorporated with TiO2 nanoparticles for improved performance. **Carbohydrate Polymers, Volume186, 2018, Pages 367–376.**

8) M.Azeem Munawar, Atif Islam, Muhammad Atiq Ur Rehman, Nafisa Gull, **Aneela Sabir,** Tahir Jamil, dirk schubert, Bilal Haider, Monika M Voigt, Muhammad Shafiq, Shahzad Khan Investigation of functional, physical, mechanical and thermal properties of TiO2 embedded polyester hybrid composites: A design of experiment (DoE) study, **Journal: Progress in Natural Science: Materials International.**

9) The effect of Nanocrystalline cellulose/Gum Arabic conjugates in crosslinked membrane for antibacterial, chlorine resistance and boron removal performance. Saba Asim; Maria Wasim; Aneela Sabir; Muhammad Shafiq; Huma Andlib; Sania Khurram; Adnan Ahmad; Tahir Jamil. **Journal of Hazardous Materials.**

10) Fabrication and performance characterization of novel zinc oxide filled cross-linked PVA/PEG 600 blended membranes for CO2/N2 separation. Muhammad Rizwan Dilshad, Atif Islam , Aneela Sabir , Muhammad Shafiq , Muhammad Taqi Zahid Butt , Aamir Ijaz , Tahir Jamil. **Journal of Industrial and Engineering Chemistry.**

11) Maria Wasim, **Aneela Sabir**, Muhammad Shafiq, Atif Islam, Tahir Jamil. Preparation and characterization of composite membrane via layer by layer assembly for desalination. **Applied Surface Science** 19 October 2016.

12) **Aneela Sabir**, 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).**

13) Adnan Ahmad, Fahad Jamshed, Tabinda Riaz, Sabad-e- Gul, Sidra Waheed, **Aneela Sabir**, Adnan Alhathal AlAnezi, Muhammad Adrees, Tahir Jamil. Self-sterilized composite membranes of cellulose acetate/polyethylene glycol for water desalination. **Carbohydrate Polymers**, , Available online 28 April 2016.

14) **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,** Volume 85, December 2016, Pages 266-278.

15) Muhammad Shafiq, **Aneela Sabir**, Shahzad Maqsood Khan, Atif Islam, Nadir Hussain, M.Taqi Zahid Butt, Tahir Jamil. Development and performance characteristics of silane crosslinked poly(vinyl alcohol)/chitosan membranes for reverse osmosis. **Journal of Industrial and Engineering Chemistry.** Maria Wasim, Aneela Sabir, Muhammad Shafiq, Atif Islam, Mudassar Azam, Tahir Jamil. Mixed matrix membranes: Two-step process modified with electrospun (carboxy methylcellulose sodium salt/sepiolite) fibers for nanofiltration. **Journal of Industrial and Engineering Chemistry. (I.F=4.841).**

16) Adnan Ahmad, Fahd Jamshaid, Muhammad Adrees, Sadia Sagar Iqbal, Aneela Sabir, Tabinda Riaz, Hira Zaheer, Atif Islam, Tahir Jamil. Novel Polyurethane/Polyvinyl chloride-co-vinyl acetate crosslinked membrane for reverse osmosis (RO). **Desalination, 420 (2017) 136–144.**

17) Gull N, Khan SM, Islam A, Zia S, Shafiq M, **Aneela Sabir** , 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 (2016)** 1-8

18) Islam A, Yasin T, Gull S, Khan SM, Munawar MA, Shafiq M, **Aneela Sabir**, Jamil T Evaluation of selected properties of biocompatible chitosan/poly (vinyl alcohol) blends **International Journal of Biological Macromolecules** 82 **(2016)** 551–556.

19) Islam A, Yasin T, Akhtar M. J. Imran Z, **Aneela Sabir**, Sultan M, Khan SM, Jamil T Impedance spectroscopy of chitosan/poly(vinyl alcohol) film **Journal of Solid State Electrochemistry** DOI:10.1007/s10008-**015**-3082-6.

20) Islam A, Imran Z, Yasin T, Gull N, Khan S M, Shafiq M, **Aneela Sabir**, 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)** 10.1590/1516-1439.043715; Page 1-8.

21) Islam A, Yasin T, Rafiq M. A., Tahir H. Shah, **Aneela Sabir**, Khan SM, Jamil T. In-situ Crosslinked Nanofiber Mats of Chitosan/Poly(vinyl alcohol) Blend: Fabrication, Characterization and MTT Assay with Cancerous Bone Cells **Fibers and Polymers** 16(9) **(2015)** 1853-1860**.**

22) Islam A, Yasin T, **Aneela Sabir**, 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.

23) Khan SM, Gull N, Munawar MA, Islam A, Zia S, Shafiq M, **Aneela Sabir**, 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.**

24) Younus H Khana, Atif Islam, Afsheen Sarwar, Nafisa Gull, Shahzad M Khan, Muhammad A Munawar, Saba Zia, **Aneela Sabir**, Muhammad Shafiq, and Tahir Jamil. Novel green nano composites films fabricated by indigenously synthesized graphene oxide and chitosan. **Carbohydrate Polymers (2016).**

25) Muhammad Azeem Munawar, Shahzad Maqsood Khan, Nafisa Gull, Atif Islam, Muhammad Shafiq, Muhammad Taqi Zahid Butt, Tahir Jamil. Fabrication and characterization of novel zirconia filled glass fiber reinforced polyester (GFRP) hybrid composites. **Journal of Applied Polymer Science (2016)**.

26) Atif Islam, Tariq Yasin, Nafisa Gull, Shahzad Maqsood Khan, **Aneela Sabir**, Muhammad Azeem Munawwar, Muhammad Shafiq, Tahir Jamil, Muhammad Hamid Raza. Fabrication and performance characteristics of tough hydrogel scaffolds based on biocompatible polymers. **International Journal of Biological Macromolecules, Volume 92, November 2016, Pages 1-10.**

27) Controlled release of Montelukast Sodium from pH-sensitive injectable hydrogels. Irtaza Javeria, Atif Islam, Nafisa Gull, Abdul Ghaffar, Shahzad Maqsood Khan, **Aneela Sabir**, Shaista Khaliq, Muhammad Taqi Zahid Butt, Sadia Atta. 2018/9/15, **Journal Polymer-Plastics Technology and Engineering** Pages 1-9 Publisher Taylor & Francis.

28) Humaira Idrees, Muhammad Shafiq, Muhammad taqi Zahid Butt, **Aneela Sabir** Cellulose acetate based novel polymer matrix membranes modified with Vinyl triethoxysilane-graphene oxide Gum Arabic for Pb (II) removal from wastewater. **Journal of Cleaner Production**

29) Maria Wasim, **Aneela Sabir**, Muhammad Shafiq, Muhammad Taqi Zahid Butt. Fractionation of direct dyes using Cellulose acetate blend membranes incorporated with modified vapor grown carbon nanofibers and ZrO_2. **Carbohydrate Polymers**

30) Effect of Graphene for Ablation Study of Advanced Composite Materials for Aerospace Applications Authors SADIA Sagar Iqbal, **ANEELA Sabir**, ATIF Islam, Syed Zain Ul Abdene Bukhari, MUHAMMAD Yasir, M Arshad Bashir, Ali Bahadur Publication date

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31) Muhammad Asim Raza, Atif Islam, **Aneela Sabir**, Nafisa Gull, Israr Ali, Rashid Mehmood, Jinho Bae, Gul Hassan, Muhammad Umair Khan, PVA/TEOS crosslinked membranes incorporating zinc oxide nanoparticles and sodium alginate to improve reverse osmosis performance for desalination, Journal of Applied Polymer Science volume 136 Pages 47559.

32) Maria Wasim, Muhammad Shafiq, Rafi Ullah Khan, **Aneela Sabir**, Crosslinked integrally skinned asymmetric composite membranes for dye rejection, Applied Surface Science, volume 478, pages 514-521.

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- Maria Wasim, **Aneela Sabir**, Muhammad Shafiq, Atif Islam, Tahir Jamil; **Modification of Polysulphone membrane via Layer by Layer Assembly**; ISBN-13:978-3-330-03025-1, ISBN-10:3330030259, EAN:9783330030251, LAP LAMBERT Academic Publishing, Omni Scriptum Ara Pers GmbH, Germany.

Book Chapter

1. **Aneela Sabir**, Faizah Altaf, Muhammad Shafiq, Chapter Title **Synthesis and Characterization and Application of Chitin and Chitosan-Based Eco-friendly Polymer Composites**, Book Title Sustainable Polymer Composites and Nanocomposites, Publisher Springer.
2. **Aneela Sabir**, Maria Wasim, Muhammad Shafiq, Tahir Jamil **"Carbon nanotubes and graphene oxide membranes for desalination"** published by Elsevier, **BOOK Title "Nanoscale Materials in Water Purification."**
3. Maria Wasim, **Aneela Sabir**, Muhammad Shafiq, Tahir Jamil **" Electrospinning: A fiber fabrication technique for water purification"** published by Elsevier, **BOOK Title "Nanoscale Materials in Water Purification."**
4. **Aneela Sabir**, Humaira Idrees, Muhammad Shafiq, Muhammad Taqi Zahid Butt **"Key facts about impact of CO_2 discharge from distilleries on climate changes"** Book Title **"SUSTAINABLE ETHANOL AND CLIMATE**

CHANGE Sustainability Assessment Tool for Ethanol Distilleries", for the Springer Book.

5. **Aneela Sabir**, Muhammad Shafiq, Rafi Ullah Khan Karl I Jacob Chapter Title **"Composites for the removal of heavy metal"** Book Title **"Remediation of Heavy Metals"** Published by Elsevier.
6. **Aneela Sabir**, Muhammad Shafiq, Rafi Ullah Khan Karl I Jacob Chapter Title **"Polymer absorbents for heavy metal removal"** Book Title **"Remediation of Heavy Metals"** Published by Elsevier.
7. **Aneela Sabir**, Muhammad Shafiq, Rafi Ullah Khan Karl I Jacob, **"Textile Wastewater Treatment by Membrane Technology",** Book Title **"Springer Handbook of Water Pollution and Remediation Technology"** published by Springer.