

### ChE RESEARCH PUBLICATIONS DATA 2022

| Sr | Author (complete name, address & campus)  | Type    | Campus | Department           | Title (of Research Publication)   | Journal Name                     | HEC Cat | Year (dd-mm-yy) | Vol / Issue | Page No / Article No | Total Pages | Weblink / DOI No.   |
|----|---|---------|--------|----------------------|---|----------------------------------|---------|-----------------|-------------|----------------------|-------------|---|
| 1  | Bhavani, P.; <b>Hussain, M.</b> ; Park, Y-K.  | Review  | Lahore | Chemical Engineering | Recent advancements on the sustainable biochar based semiconducting materials for photocatalytic applications: A state of the art review  | Journal of Cleaner Production. . | W       | 14-Jul-05       | 330         | 129899               | 17          | <a href="https://www.sciencedirect.com/science/article/pii/S0959652621040695">https://www.sciencedirect.com/science/article/pii/S0959652621040695</a> |
| 2  | <b>Khan, Z.</b> ; Kamble, P.; Check, G.R.; DiLallo, T.; O'Sullivan, W.; Turner, E.D.; Mackay, A.; Blanco-Sanchez, P.; Yu, X.; Bridgwater, | Article | Lahore | Chemical Engineering | A. Design, instrumentation, and operation of a standard downdraft, laboratory-scale gasification testbed utilising novel seed-propagated hybrid Miscanthus pellets              | Applied Energy                   | W       |                 | 315         | 118864               | 14          | <a href="https://www.sciencedirect.com/science/article/pii/S0306261922002987">https://www.sciencedirect.com/science/article/pii/S0306261922002987</a> |
| 3  | Saeed, M.; Zafar, M.; <b>Razzaq, A.</b> ; Khan, S.A.; <b>Khan, Z.</b> ; Kim, W.Y.   | Article | Lahore | Chemical Engineering | Visible-Light-Active Zn-Fe Layered Double Hydroxide (LDH) for the Photocatalytic Conversion of Rice Husk Extract to Value-Added Products  | <i>Applied Sciences</i>          | X       |                 | 12          | 2313                 | 15          | <a href="https://www.mdpi.com/2076-3417/12/5/2313">https://www.mdpi.com/2076-3417/12/5/2313</a>   |
| 4  | Faryal, S.; Zafar, M.; Nazir, M.S.; <b>Ali, Z.</b> ; Hussain, M.; <b>Muhammad Imran, S.</b>   | Article | Lahore | Chemical Engineering | The Synergic Effect of Primary and Secondary Flame Retardants on the Improvement in the Flame Retardant and Mechanical Properties of Thermoplastic Polyurethane Nanocomposites. | <i>Applied Sciences</i>          | X       | 14-Jul-05       | 12          | 10866                | 9           | <a href="https://www.mdpi.com/2076-3417/12/21/10866">https://www.mdpi.com/2076-3417/12/21/10866</a>   |
| 5  | Arshad, H.; Tahir, M.U.; <b>Rehman, F.</b> ; Wang, L.; Wang, J.; Su, X.; Yang, C.   | Article | Lahore | Chemical Engineering | Facile synthesis of bismuth oxide nanostructures derived from solvent-mediated oxalates and their visible-light-driven photocatalytic removal of organic pollutants.            | <i>Applied Surface Science</i>   | W       | 27-Jul-01       | 574         | 151678               | 11          | <a href="https://www.sciencedirect.com/science/article/pii/S0169433221027239">https://www.sciencedirect.com/science/article/pii/S0169433221027239</a> |

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| 6  | <b>Ashraf, F.</b> ; Babar, Z. Bin; Park, J.-H.; Dao, P.D.Q.; Cho, C.S.; Lim, H.-J.   | Article | Lahore | Chemical Engineering | Determination of Volatility Parameters of Secondary Organic Aerosol Components via Thermal Analysis   | <i>Atmosphere</i> 2022, 13, 709.                          | W |  | 13  | 709     | 15 | <a href="https://www.mdpi.com/2073-4433/13/5/709">https://www.mdpi.com/2073-4433/13/5/709</a>   |
| 7  | Dailin, D.J.; Selvamani, S.; Michelle, K.; Jusoh, Y.M.M.; Chuah, L.F.; <b>Bokhari, A.</b> ; El Enshasy, H.A.; Mubashir, M.; Show, P.L. | Article | Lahore | Chemical Engineering | Production of high-value added exopolysaccharide by biotherapeutic potential Lactobacillus reuteri strain.  | <i>Biochemical Engineering Journal</i> 2022, 188, 108691. | W |  | 188 | 108691  | 12 | <a href="https://www.sciencedirect.com/science/article/pii/S1369703X22003606">https://www.sciencedirect.com/science/article/pii/S1369703X22003606</a>   |
| 8  | Javed, F.; Rizwan, M.; Asif, M.; Ali, S.; Aslam, R.; Akram, M.S.; Zimmerman, W.B.; <b>Rehman, F.</b>                                   | Article | Lahore | Chemical Engineering | Intensification of biodiesel processing from waste cooking oil, exploiting cooperative microbubble and bifunctional metallic heterogeneous catalysis. | <i>Bioengineering</i> 2022, 9, 533                        | X |  | 9   | 533     | 16 | <a href="https://www.mdpi.com/2306-5354/9/10/533">https://www.mdpi.com/2306-5354/9/10/533</a>   |
| 9  | Javed, F.; Saif-ul-Allah, M.W.; <b>Ahmed, F.</b> ; Rashid, N.; Hussain, A.; Zimmerman, W.B.; <b>Rehman, F.</b>                         | Article | Lahore | Chemical Engineering | Kinetics of Biodiesel Production from Microalgae Using Microbubble Interfacial Technology.  | <i>Bioengineering</i> 2022, 9, 739.                       | X |  | 9   | 739     | 16 | <a href="https://www.mdpi.com/2306-5354/9/12/739">https://www.mdpi.com/2306-5354/9/12/739</a>   |
| 10 | Javed, F.; <b>Rehman, F.</b> ; <b>Khan, A.U.</b> ; Fazal, T.; Hafeez, A.; Rashid, N.   | Article | Lahore | Chemical Engineering | Real textile industrial wastewater treatment and biodiesel production using microalgae.   | <i>Biomass and Bioenergy</i> 2022, 165, 106559.           | W |  | 165 | 106559. | 8  | <a href="https://www.sciencedirect.com/science/article/pii/S0961953422002215#:~:text=Recently%2C%20RTWW%20treatment%20using%20microalgae,into%20biodiesel%20through%2">https://www.sciencedirect.com/science/article/pii/S0961953422002215#:~:text=Recently%2C%20RTWW%20treatment%20using%20microalgae,into%20biodiesel%20through%2</a> |

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| 11 | Lee, M.; Jang, N.; Kang, B.; <b>Yasin, M.</b> ; Kim, J.-Y.; Chang, I.S.   | Article | Lahore | Chemical Engineering | Proposition of cost-effective industrial grade medium for synthesis gas fermentation through evaluation of economic feasibility.                 | <i>Bioresource Technology Reports</i> 2022, 19, 101208. | X |  | 19    | 101208. | <a href="https://www.sciencedirect.com/science/article/pii/S2589014X22002651">https://www.sciencedirect.com/science/article/pii/S2589014X22002651</a> |
| 12 | Bhavani, P.; Kumar, D.P.; <b>Hussain, M.</b> ; Jeon, K.-J.; Park, Y.-K.   | Review  | Lahore | Chemical Engineering | Recent advances in wide solar spectrum active W18O49-based photocatalysts for energy and environmental applications.                             | <i>Catalysis Reviews</i> 2022, 1–46.                    | W |  | 2022  | 1–46    | <a href="https://www.tandfonline.com/doi/full/10.1080/01614940.2022.2038472">https://www.tandfonline.com/doi/full/10.1080/01614940.2022.2038472</a>   |
| 13 | Shafiq, I.; Shafique, S.; Akhter, P.; Yang, W.; <b>Hussain, M.</b>  | Review  | Lahore | Chemical Engineering | Recent developments in alumina supported hydrodesulfurization catalysts for the production of sulfur-free refinery products: A technical review. | <i>Catalysis Reviews</i> 2022, 64, 1–86.                | W |  | 64(1) | 1–86.   | <a href="https://www.tandfonline.com/doi/full/10.1080/01614940.2020.1780824">https://www.tandfonline.com/doi/full/10.1080/01614940.2020.1780824</a>   |
| 14 | Riaz, I.; Shafiq, I.; <b>Jamil, F.</b> ; Al-Muhtaseb, A.H.; Akhter, P.; Shafique, S.; Park, Y.-K.; <b>Hussain, M.</b> | Review  | Lahore | Chemical Engineering | A review on catalysts of biodiesel (methyl esters) production.   | <i>Catalysis Reviews</i> 2022, 1–53.                    | W |  | 2022  | 1-53    | <a href="https://www.tandfonline.com/doi/full/10.1080/01614940.2022.2108197">https://www.tandfonline.com/doi/full/10.1080/01614940.2022.2108197</a>   |
| 15 | Belousov, A.S.; Shafiq, I.  | review  | Lahore | Chemical Engineering | Towards the Sustainable Production of Ultra-Low-Sulfur Fuels through Photocatalytic Oxidation.   | <i>Catalysts</i> 2022, 12, 1036.                        | W |  | 12    | 1036    | <a href="https://www.mdpi.com/2073-4344/12/9/1036">https://www.mdpi.com/2073-4344/12/9/1036</a>   |

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| 16 | Saleem, M.; <b>Jamil, F.</b> ; Qamar, O.A.; Akhter, P.; <b>Hussain, M.</b> ; <b>Khurram, M.S.</b> ; Al-Muhtaseb, A.H.; Inayat, A.; Shah, N.S. | Article | Lahore | Chemical Engineering | Enhancing the Catalytic Activity of Eggshell-Derived CaO Catalyst and Its Application in Biodiesel Production from Waste Chicken Fat                          | <i>Catalysts</i> 2022, 12, 1627.  | W |  | 12     | 1627        |  | <a href="https://www.mdpi.com/2073-4344/12/12/1627">https://www.mdpi.com/2073-4344/12/12/1627</a>   |
| 17 | Akhtar, M.N.; <b>Nazir, M.S.</b> ; Khan, M.A.; Ullah, S.; Assiri, M.A.  | Article | Lahore | Chemical Engineering | Preparations and characterizations of Ca doped Ni–Mg–Mn nanocrystalline ferrites for switching field high-frequency applications.                             | <i>Ceramics International</i> 2022, 48, 3833–3840.                            | W |  | 48     | 3833–3840   |  | <a href="https://www.sciencedirect.com/science/article/pii/S0272884221033095">https://www.sciencedirect.com/science/article/pii/S0272884221033095</a> |
| 18 | Wu, Y.; Liu, Y.; Kuang, Z.; <b>Hussain, M.</b> ; Yang, W.; Zhou, C.; Wu, G.   | Article | Lahore | Chemical Engineering | High-quality boron carbide nanowires prepared by catalyst-free template growth method.  | <i>Ceramics International</i> 2022.   | W |  | 48(15) | 21846-21855 |  | <a href="https://www.sciencedirect.com/science/article/pii/S0272884222013414">https://www.sciencedirect.com/science/article/pii/S0272884222013414</a> |
| 19 | Rasdi, W.N.A.M.; Bilad, M.R.; Shamsuddin, N.; Wirzal, M.D.H.; Nordin, N.A.H.M.; Budhijanto, W.; Biyanto, T.R.; <b>Khan, A.L.</b>              | Article | Lahore | Chemical Engineering | A novel membrane-based bubble generator for oxygen dissolution in water.  | <i>Chemical Engineering and Processing-Process Intensification</i> 2022, 175, | W |  | 175    | 108938.     |  | <a href="https://www.sciencedirect.com/science/article/pii/S0255270122001519">https://www.sciencedirect.com/science/article/pii/S0255270122001519</a> |
| 20 | <b>Ali, S.</b> ; <b>Razzaq, A.</b> ; Kim, H.; In, S.-I.   | Article | Lahore | Chemical Engineering | Activity, selectivity, and stability of earth-abundant CuO/Cu <sub>2</sub> O/Cu <sub>0</sub> -based photocatalysts toward CO <sub>2</sub> reduction.          | <i>Chemical Engineering Journal</i> 2022, 429, 131579.                        | W |  | 429    | 131579.     |  | <a href="https://www.sciencedirect.com/science/article/pii/S1385894721031600">https://www.sciencedirect.com/science/article/pii/S1385894721031600</a> |
| 21 | Bhavani, P.; Kumar, D.P.; <b>Hussain, M.</b> ; Aminabhavi, T.M.; Park, Y.-K.  | Article | Lahore | Chemical Engineering | Eco-friendly rice husk derived biochar as a highly efficient noble Metal-Free cocatalyst for high production of H <sub>2</sub> using solar light irradiation. | <i>Chemical Engineering Journal</i> 2022, 434, 134743.                        | W |  | 434    | 134743.     |  | <a href="https://www.sciencedirect.com/science/article/pii/S1385894722002510">https://www.sciencedirect.com/science/article/pii/S1385894722002510</a> |

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| 22 | Mahboob, I.; Shafiq, I.; Shafique, S.; Akhter, P.; <b>Amjad, Ume-Salma, Hussain, M.</b> ; Park, Y.-K.  | Article | Lahore | Chemical Engineering | Effect of active species scavengers in photocatalytic desulfurization of hydrocracker diesel using mesoporous Ag <sub>3</sub> VO <sub>4</sub> .  | <i>Chemical Engineering Journal</i> 2022, 441, 136063.        | W |  | 441  | 136063    |  | <a href="https://www.sciencedirect.com/science/article/pii/S1385894722015613">https://www.sciencedirect.com/science/article/pii/S1385894722015613</a> |
| 23 | Moogi, S.; Pyo, S.; Farooq, A.; Valizadeh, S.; Choi, Y.J.; Rhee, G.H.; Lee, J.; Jae, J.; <b>Hussain, M.</b> ; Khan, M.A.                       | Article | Lahore | Chemical Engineering | Enhancement of Bioaromatics Production from Food Waste through Catalytic Pyrolysis over Zn and Mo-loaded HZSM-5 under an Environment of Decomposed Methane   | <i>Chemical Engineering Journal</i> 2022, 137215.             | W |  | 2022 | 137215.   |  | <a href="https://www.sciencedirect.com/science/article/pii/S1385894722027048">https://www.sciencedirect.com/science/article/pii/S1385894722027048</a> |
| 24 | Chuah, L.F.; <b>Bokhari, A.</b> ; Asif, S.; Klemeš, J.J.; Dailin, D.J.; El Enshasy, H.; Yusof, A.H.M.  | Review  | Lahore | Chemical Engineering | A Review of performance and emission characteristic of engine diesel fuelled by biodiesel.   | <i>Chemical Engineering Transactions</i> 2022, 94, 1099–1104. | Y |  | 94   | 1099–1104 |  | <a href="https://www.cetjournal.it/index.php/cet/article/view/CET2294183">https://www.cetjournal.it/index.php/cet/article/view/CET2294183</a>         |
| 25 | Atabani, A.E.; Ali, I.; Naqvi, S.R.; Badruddin, I.A.; <b>Aslam, M.</b> ; Mahmoud, E.; Almomani, F.; Juchelková, D.; Atelge, M.R.; Khan, T.M.Y. | Review  | Lahore | Chemical Engineering | A state-of-the-art review on spent coffee ground (SCG) pyrolysis for future biorefinery.   | <i>Chemosphere</i> 2022, 286, 131730.                         | W |  | 286  | 131730.   |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653521022025">https://www.sciencedirect.com/science/article/pii/S0045653521022025</a> |
| 26 | Shah, N.S.; Iqbal, J.; Sayed, M.; Ghfar, A.A.; Khan, J.A.; Khan, Z.U.H.; Murtaza, B.; Boczkaj, G.; <b>Jamil, F.</b>                            | Article | Lahore | Chemical Engineering | Enhanced solar light photocatalytic performance of Fe-ZnO in the presence of H <sub>2</sub> O <sub>2</sub> , S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> , and HSO <sub>5</sub> <sup>-</sup> for degradation of chlorpyrifos from agricultural wastes: toxicities investigation. | <i>Chemosphere</i> 2022, 287, 132331.                         | W |  | 287  | 132331    |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653521028034">https://www.sciencedirect.com/science/article/pii/S0045653521028034</a> |

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| 27 | Ansar, R.; Saqib, S.; Mukhtar, A.; Niazi, M.B.K.; Shahid, M.; Jahan, Z.; Kakar, S.J.; Uzair, B.; Mubashir, M.; Ullah, S.                | Review  | Lahore | Chemical Engineering | Challenges and recent trends with the development of hydrogel fiber for biomedical applications.  | <i>Chemosphere</i> 2022, 287, 131956. | W |  | 287 | 131956 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653521024280">https://www.sciencedirect.com/science/article/pii/S0045653521024280</a> |
| 28 | Mubashir, M.; Ashena, R.; <b>Bokhari, A.</b> ; Mukhtar, A.; Saqib, S.; Ali, A.; Saidur, R.; Khoo, K.S.; Ng, H.S.; Karimi, F.            | Article | Lahore | Chemical Engineering | Effect of process parameters over carbon-based ZIF-62 nano-rooted membrane for environmental pollutants separation.                           | <i>Chemosphere</i> 2022, 291, 133006. | W |  | 291 | 133006 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653521034780">https://www.sciencedirect.com/science/article/pii/S0045653521034780</a> |
| 29 | Abdullah, I.; <b>Ahmad, N.</b> ; <b>Hussain, M.</b> ; Ahmed, A.; Ahmed, U.; Park, Y.-K.   | Article | Lahore | Chemical Engineering | Conversion of biomass blends (walnut shell and pearl millet) for the production of solid biofuel via torrefaction under different conditions. | <i>Chemosphere</i> 2022, 295, 133894. | W |  | 295 | 133894 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522003873">https://www.sciencedirect.com/science/article/pii/S0045653522003873</a> |
| 30 | Iqbal, Z.; <b>Shamair, Z.</b> ; Usman, M.; Gilani, M.A.; <b>Yasin, M.</b> ; Saqib, S.; <b>Khan, A.L.</b>                                | Article | Lahore | Chemical Engineering | One pot synthesis of UiO-66@IL composite for fabrication of CO <sub>2</sub> selective mixed matrix membranes.                                 | <i>Chemosphere</i> 2022, 135122.      | W |  |     | 135122 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522016150">https://www.sciencedirect.com/science/article/pii/S0045653522016150</a> |
| 31 | Durrani, W.Z.; Nasrullah, A.; Khan, A.S.; Fagieh, T.M.; Bakhsh, E.M.; Akhtar, K.; Khan, S.B.; Din, I.U.; Khan, M.A.; <b>Bokhari, A.</b> | Article | Lahore | Chemical Engineering | Adsorption efficiency of date palm based activated carbon-alginate membrane for methylene blue.   | <i>Chemosphere</i> 2022, 302, 134793. | W |  | 302 | 134793 | <a href="https://pubmed.ncbi.nlm.nih.gov/35525452/">https://pubmed.ncbi.nlm.nih.gov/35525452/</a>   |

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| 32 | Tariq, A.; Khurram, A.R.; Rafiq, S.; Iqbal, T.; Jamil, A.; Saqib, S.; Mukhtar, A.; Muhammad, N.; <b>Khan, A.L.</b> ; Nawaz, M.H. <b>Jamil, F</b> | Article | Lahore | Chemical Engineering | Functionalized organic filler based integrated membranes for environmental remediation  | <i>Chemosphere</i><br>2022, 135073          | W |  | 2022 | 135073 |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522015661">https://www.sciencedirect.com/science/article/pii/S0045653522015661</a> |
| 33 | Chaudhry, B.; Akhtar, M.S.; Ahmad, M.; Munir, M.; Zafar, M.; Alhajeri, N.S.; Ala'a, H.; Ahmad, Z.; Hasan, M.; <b>Bokhari, A.</b>                 | Article | Lahore | Chemical Engineering | Membrane based reactors for sustainable treatment of <i>Coronopus didymus</i> L. by developing Iodine doped potassium oxide membrane under Dynamic conditions | <i>Chemosphere</i><br>2022,<br>135138.      | W |  | 2022 | 135138 |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522016319">https://www.sciencedirect.com/science/article/pii/S0045653522016319</a> |
| 34 | Khan, A.; Shah, S.F.A.; <b>Majeed, K.</b> ; Hameed, I.; Najam, M.; Hasan, M.; Ullah, M.; Khan, M.S.; Ahmad, Z.; Akhtar, M.S.                     | Article | Lahore | Chemical Engineering | Polymeric membranes for environmental remediation: A product space model perspective.   | <i>Chemosphere</i><br>2022,<br>135236.      | W |  | 2022 | 135236 |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522017295">https://www.sciencedirect.com/science/article/pii/S0045653522017295</a> |
| 35 | Pan, L.; Fang, J.; Wang, F.; Shang, Z.; Chen, Y.; Li, J.; Tian, L.; Yang, Y.; Alruqi, M.; Ahmad, Z. <b>Bokhari, A.</b>                           | Article | Lahore | Chemical Engineering | Sedimentary environment and relative sea level changes revealed by marine biological membrane   | <i>Chemosphere</i><br>2022, 305,<br>135378. | W |  | 305  | 135378 |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522018719">https://www.sciencedirect.com/science/article/pii/S0045653522018719</a> |
| 36 | <b>Mushtaq, A.</b> ; Cho, H.; Ryu, H.; Ahmed, M.A.; Rehman, M.S.U.; Han, J.-I.   | Article | Lahore | Chemical Engineering | Novel metallic stainless-steel mesh-supported conductive membrane and its performance in the electro-filtration process.                                      | <i>Chemosphere</i><br>2022, 308,<br>136160. | W |  | 308  | 136160 |  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522026534">https://www.sciencedirect.com/science/article/pii/S0045653522026534</a> |

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| 37 | Chuah, L.F.; Mokhtar, K.; Bakar, A.A.; Othman, M.R.; Osman, N.H.; <b>Bokhari, A.</b> ; Mubashir, M.; Abdullah, M.A.; Hasan, M              | Article | Lahore | Chemical Engineering | Marine environment and maritime safety assessment using Port State Control database.   | <i>Chemosphere</i><br>2022, 304,<br>135245  | W |  | 304  | 135245 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522017386">https://www.sciencedirect.com/science/article/pii/S0045653522017386</a> |
| 38 | Li, M.; Wang, Y.; Xue, H.; Wu, L.; Wang, Y.; Wang, C.; Gao, X.; Li, Z.; Zhang, X.; Hasan, M; <b>Bokhari, A</b>                             | Article | Lahore | Chemical Engineering | Scientometric analysis and scientific trends on microplastics research.  | <i>Chemosphere</i><br>2022, 304,<br>135337. | W |  | 304  | 135337 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522018306">https://www.sciencedirect.com/science/article/pii/S0045653522018306</a> |
| 39 | Tan, X.; Alsaiani, M.; Shen, Z.; Asif, S.; Harraz, F.A.; Šljukić, B.; Santos, D.M.F.; Zhang, W.; <b>Bokhari, A.</b> ; Han, N.              | Article | Lahore | Chemical Engineering | Rational design of mixed ionic–electronic conducting membranes for oxygen transport.   | <i>Chemosphere</i><br>2022, 305,<br>135483  | W |  | 305  | 135483 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522019762">https://www.sciencedirect.com/science/article/pii/S0045653522019762</a> |
| 40 | Sikander, A.B.; Anjum, T.; <b>Khan, A.L.</b> ; Gilani, M.A.; Raja, A.A.; <b>Yasin, M.</b>  | Article | Lahore | Chemical Engineering | Exploring the potential of highly selective deep eutectic solvents (DES) based membranes for dehydration of butanol via pervaporation. | <i>Chemosphere</i><br>2022, 305,<br>135480  | W |  | 305  | 35480  | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522019737">https://www.sciencedirect.com/science/article/pii/S0045653522019737</a> |
| 41 | Azam, K.; <b>Shezad, N.</b> ; Shafiq, I.; Akhter, P.; Akhtar, <b>F.</b> ; <b>Jamil, F.</b> ; Shafique, S.; Park, Y.-K.; <b>Hussain, M.</b> | Review  | Lahore | Chemical Engineering | A review on activated carbon modifications for the treatment of wastewater containing anionic dyes.                                    | <i>Chemosphere</i><br>2022,<br>135566.      | W |  | 2022 | 135566 | <a href="https://www.sciencedirect.com/science/article/pii/S0045653522020598">https://www.sciencedirect.com/science/article/pii/S0045653522020598</a> |



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| 127 | Muhammad Asif, Muahmmad Saeed, Muhammad Zafar, <b>Um-e-SalmaAmjad, AbdulRazzaq</b> , Woo Young Kim  | Article | Lahore | Chemical Engineering | Development of Co-Al LDH/GO composite photocatalyst for enhanced degradation of textile pollutant under visible light irradiation                       | <i>Results in Physics</i>                      | W |  | 42     | 105997  |  | <a href="https://www.sciencedirect.com/science/article/pii/S2211379722006118">https://www.sciencedirect.com/science/article/pii/S2211379722006118</a>                               |
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