

Dr. Hafiz Kabeer Raza Chishti

List of Publications:

1. Hafiz Muzammil Irshad, Abbas Saeed Hakeem, Kabeer Raza, Turki Nabieh Baroud, Muhammad Ali Ehsan, Sameer Ali, Muhammad Suleman Tahir. Design, Development and Evaluation of Thermal Properties of Polysulphone-CNT/GNP Nanocomposites, *Nanomaterials*. 10 (8) 2021 1-13 <https://doi.org/10.3390/nano11082080> (Impact Factor: 5.719)
2. S.S. Akhtar, K. Raza, A.F.M. Arif, Khaled S. Al-Athel, Simulation led performance evaluation and design of polymer composite for encapsulation of low-concentration photovoltaic modules, *Journal of Materials Engineering and Performance*. July 2021 <https://doi.org/10.1007/s11665-021-05999-4> (Impact Factor: 2.036)
3. K. Raza, S.S. Akhtar, A.F.M. Arif, A new differential scheme for the development of thermally conductive polymer-composites with non-dilute filler concentrations, *International Journal of Thermal Sciences*. 163 (2021) 1-11 <https://doi.org/10.1016/j.ijthermalsci.2020.106809> (Impact Factor: 4.779)
4. K. Raza, S.S. Akhtar, A.F.M. Arif, A.S. Hakeem, Computational design and development of high-performance polymer-composites as new encapsulant material for concentrated PV modules, *Scientific Reports* (2020). 10, 1-14. <https://doi.org/10.1038/s41598-020-62191-9> (Impact Factor: 4.996)
5. K. Raza, M.U. Siddiqui, A.F.M. Arif, S.S. Akhtar, A.S. Hakeem, Design and development of thermally conductive hybrid nanocomposites in polysulfone matrix, *Polymer Composites*. 40 (2019) 1419–1432. <https://doi.org/10.1002/pc.24879>, (Impact Factor: 3.531)
6. K. Raza, M. Shamir, M.K.A. Qureshi, A.S. Shaikh, M. Zain-ul-abdein, On the friction stir welding, tool design optimization, and strain rate-dependent mechanical properties of HDPE–ceramic composite joints, *Journal of Thermoplastic Composite Materials*. 31 (2018) 291–310. <https://doi.org/10.1177/0892705717697779>, (Impact Factor: 3.027)
7. S.S. Akhtar, M.U. Siddiqui, K. Raza, A. Hakeem, L. Kareem, A.F. Arif, A computational and experimental study on the effective properties of Al₂O₃ -Ni composites, *International Journal of Applied Ceramic Technology* 14 (2017) 766–778. <https://doi.org/10.1111/ijac.12674>, (Impact Factor: 2.328)
8. M. Zain-ul-Abdein, H. Ijaz, W. Saleem, K. Raza, A.S. Bin Mahfouz, T. Mabrouki, Finite element analysis of interfacial debonding in copper/diamond composites for thermal management applications, *Materials (Basel)*. 10 (2017) 1–18. <https://doi.org/10.3390/ma10070739>, (Impact Factor: 3.748)
9. M. Zain-ul-abdein, K. Raza, F.A. Khalid, T. Mabrouki, Numerical investigation of the effect of interfacial thermal resistance upon the thermal conductivity of copper/diamond composites, *Materials & Design*. 86 (2015) 248–258. <https://doi.org/10.1016/j.matdes.2015.07.059>, (Impact Factor: 9.417)

10. K. Raza, F.A. Khalid, Optimization of sintering parameters for diamond–copper composites in conventional sintering and their thermal conductivity, *Journal of Alloys and Compounds*. 615 (2014) 111–118. <https://doi.org/10.1016/j.jallcom.2014.06.139>, (Impact Factor: 6.371)
11. M.T.S. Chani, K.S. Karimov, F. Ahmad Khalid, K. Raza, M. Umer Farooq, Q. Zafar, Humidity sensors based on aluminum phthalocyanine chloride thin films, *Physica E: Low-Dimensional Systems and Nanostructures*. 45 (2012) 77–81. <https://doi.org/10.1016/j.physe.2012.07.012>, (Impact Factor: 3.369)