

Journal Publications By School of Sciences

Department of Mathematics

1. **Ahmed, N., Rafiq, M., Rehman, M. A., Iqbal, M. S., & Ali, M.** (2019). Numerical modeling of three dimensional Brusselator reaction diffusion system. *Aip Advances*, 9(1), 7. doi: 10.1063/1.5070093
2. **Beg, I., Jamil, R. N., & Rashid, T.** (2019). Diminishing Choquet Hesitant 2-Tuple Linguistic Aggregation Operator for Multiple Attributes Group Decision Making. *International Journal of Analysis and Applications*, 17(1), 76-104. doi: 10.28924/2291-8639-17-2019-76



3. **Javaid, M., Abbas, M., Liu, J.-B., Teh, W. C., & Cao, J.** (2019). Topological Properties of Four-Layered Neural Networks. *Journal of Artificial Intelligence and Soft Computing Research*, 9(2), 111-122. doi: 10.2478/jaiscr-2018-0028
4. **Imran, M. A., Aleem, M., Riaz, M. B., Ali, R., & Khan, I.** (2019). A comprehensive report on convective flow of fractional (ABC) and (CF) MHD viscous fluid subject to generalized boundary conditions. *Chaos Solitons & Fractals*, 118, 274-289. doi: 10.1016/j.chaos.2018.12.001

Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers.

5. **Manzoor, R., Jawad, A., & Rani, S.** (2019). Dynamics of evolving self-gravitating models in extended teleparallel gravity. *International Journal of Modern Physics D*, 28(2), 24. doi:10.1142/s0218271819500433

6. **Riaz, M. B., Asif, N. A., Atangana, A., & Asjad, M. I.** (2019). Couette flows of a viscous fluid with slip effects and non-integer order derivative without singular kernel. *Discrete and Continuous Dynamical Systems-Series S*, 12(3), 645-664. doi: 10.3934/dcdss.2019041

7. **Butt, A. S., Ali, A., Nazim Tufail, M., & Mehmood, A.** (2019). Theoretical Investigation of Entropy Generation Effects in Magnetohydrodynamic Flow of Casson Nanofluid Over an Unsteady Permeable Stretching Surface. *Journal of Nanofluids*, 8(1), 103-116. doi: 10.1166/jon.2019.1570 (Sialkot Campus)

Research is creating new knowledge.

Department of Life Sciences

1. Jamal, M., Andleeb, S., Jalil, F., Imran, M., Nawaz, **Ali, M.**, Hussain, T., . . . **Sadeeq ur Rahman**, (2019). Isolation, characterization and efficacy of phage MJ2 against biofilm forming multi-drug resistant *Enterobacter cloacae*. *Folia Microbiologica*, 64(1), 101-111. doi: 10.1007/s12223-018-0636-x
2. Naveed, A., Ali, S., Ahmed, H., Simsek, S., Rizwan, M., Kaleem, I., . . . **Afzaal, Muhammad Sohail**. (2019). Seroprevalence and Risk Factors of *Toxoplasma gondii* in Wild Birds of Punjab Province, *Pakistan. Journal of Wildlife Diseases*, 55(1), 129-135. doi: 10.7589/2017-09-228
3. **Wahid, B.**, Waqar, M., **Rasool, N.**, Wasim, M., Khalid, I., & Idrees, M. (2019). Prevalence of thyroid stimulating hormone dysfunction among sofosbuvir-treated HCV-infected patients: A real-world clinical experience. *Journal of Medical Virology*, 91(3), 514-517. doi: 10.1002/jmv.25319

Journal Publications School of Food and Agricultural Sciences

1. James, S. L., Theadom, A., Ellenbogen, R. G., Bannick, M. S., Mountjoy-Venning, W. C., Lucchesi, L. R., . . . **Khalid, N.** (2019). Global, regional, and national burden of traumatic brain injury and spinal cord injury, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*, 18(1), 56-87. doi: 10.1016/s1474-4422(18)30415-0
2. Timilsena, Y. P., Akanbi, T. O., **Khalid, N.**, Adhikari, B., & Barrow, C. J. (2019). Complex coacervation: Principles, mechanisms and applications in microencapsulation. *International Journal of Biological Macromolecules*, 121, 1276-1286. doi: 10.1016/j.ijbiomac.2018.10.144
3. Zhao, Y., **Khalid, N.**, Shu, G., Neves, M. A., Kobayashi, I., & Nakajima, M. (2019). Complex coacervates from gelatin and octenyl succinic anhydride modified kudzu starch: Insights of formulation and characterization. *Food Hydrocolloids*, 86, 70-77. doi: 10.1016/j.foodhyd.2018.01.040

“Agriculture is the foundation of manufactures, since the productions of nature are the materials of art ”



“Research is what I’m doing when I don’t know what I’m doing.”

Wernher von Braun

Journal Publications School of Engineering

Department of Electrical Engineering

1. **Chattha, J. N., & Uppal, M.** (2019). Joint Noisy Network Coding and Decode-Forward Relaying for Non-Orthogonal Multiple Access. *Ieee Transactions on Wireless Communications*, 18(1), 296-309. doi: 10.1109/twc.2018.2879486

Department of Mechanical Engineering

1. Rafique, M. M., Bahaidarah, H. M. S., & **Anwar, M. K.** (2019). Enabling private sector investment in off-grid electrification for cleaner production: Optimum designing and achievable rate of unit electricity. *Journal of Cleaner Production*, 206, 508-523. doi: 10.1016/j.jclepro.2018.09.123

Journal Publications School of Social Sciences & Humanities

Department of English Language and Literature

1. **Ali, N., & Anwar, N.** (2019). Vicissitudes of Aphasic Identity: Discourse Analysis Under James Paul Gee's Identity Framework. *International Journal of English Linguistics*, 9(1), 97-110. doi: 10.5539/ijel.v9n1p97

Department of Education

1. Asghar, M. Z., Gul, F., Hakkarainen, P. S., & **Tasdemir, M. Z.** (2019). Validating Entrepreneurial Intentions Questionnaire to Assess the Impact of Entrepreneurship Education. *Egitim Ve Bilim-Education and Science*, 44(197), 383-399. doi: 10.15390/eb.2019.6105

Journal Publications School of Systems & Technology

Department of Computer Science

1. **Hussain, W., Khan, Y. D., Rasool, N., Khan, S. A., & Chou, K. C.** (2019). SPalmitoylC-PseAAC: A sequence-based model developed via Chou's 5-steps rule and general PseAAC for identifying S-palmitoylation sites in proteins. *Analytical Biochemistry*, 568, 14-23. doi: 10.1016/j.ab.2018.12.019
2. **Khan, Y. D., Jamil, M., Hussain, W., Rasool, N., Khan, S. A., & Chou, K.-C.** (2019). pSSbond-PseAAC: Prediction of disulfide bonding sites by integration of PseAAC and statistical moments. *Journal of Theoretical Biology*, 463, 47-55. doi: 10.1016/j.jtbi.2018.12.015

“I believe in innovation and that the way you get innovation is you fund research and you learn the basic facts.” -Bill Gates

Department of Software Engineering

1. Shahzad, B., Awan, K. M., Abdullatif, A. M., Lali, M. I., Nawaz, M. S., Ayesha, U., & Khan, M. (2019). Quantification of Productivity of the Brands on Social Media With Respect to Their Responsiveness. *Ieee Access*, 7, 9531-9539. doi: 10.1109/access.2019.2891081

Journal Publications School of Health Sciences

1. **Tanweer, A.**, Imran, S., Kaleem, R., & Saeed, A. (2019). Determinants of the Use of Oral Rehydration Solution by Children During Diarrheal Episode. *Topics in Clinical Nutrition*, 34(1), 31-38. doi: 10.1097/tin.0000000000000160

