Department of Informatics and Systems
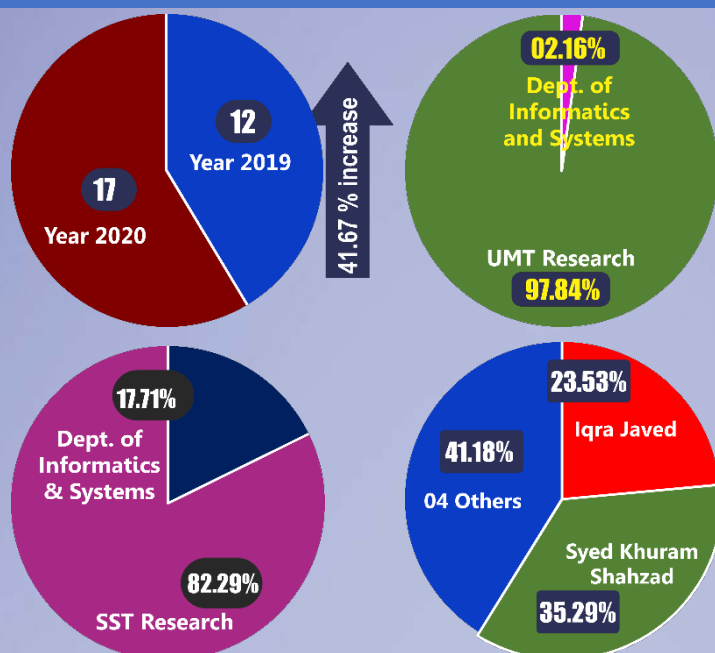
Publications

17

JCR	SJR	HEC
10	01	00

1. Mustahsan, M., Younas, H. M., Iqbal, S., Rathore, S., Nisar, K. S., & Singh, J. (2020). An Efficient Analytical Technique for Time-Fractional Parabolic Partial Differential Equations. Frontiers in Physics, 8(131). doi: 10.3389/fphy.2020.00131.
(Shaukat Iqbal) WoS/JCR(IF: 2.638)

2. Naz, T., Akhtar, M., Shahzad, S. K., Fasli, M., Iqbal, M.W., & Naqvi, M. R. (2020). Ontology-driven advanced drug-drug interaction. Computers & Electrical Engineering, 86, 106695.
doi: 10.1016/j.compeleceng.2020.106695.
(Syed Khuram Shahzad) WoS/JCR(IF: 2.663)

3. Ahmad, A., Jin, Y., Zhu, C., Javed, I., Waqar Akram, M., & Buttar, N. A. (2020). Support vector machine based prediction of photovoltaic module and power station parameters. International Journal of Green Energy, 17(3), 219-232.
doi: 10.1080/15435075.2020.1722131.
(Iqra Javed) WoS/ JCR (IF: 1.388)

4. Ahmad, A., Jin, Y., Zhu, C., Javed, I., & Waqar Akram, M. (2020). Investigating tension in overhead high voltage power transmission line using finite element method. International Journal of Electrical Power & Energy Systems, 114, 105418.
doi: 10.1016/j.ijepes.2019.105418.
(Iqra Javed) WoS/JCR(IF: 3.588)

5. Zahid, A. H., Al-Solami, E., & Ahmad, M. (2020). A novel modular approach based substitution-box design for image encryption. IEEE Access, 8, 150326-150340.
doi: 10.1109/ACCESS.2020.3016401.
(Amjad Hussain Zahid) WoS/JCR(IF: 4.098)

6. Gul, M., Kalam, M. A., Mujtaba, M. A., Alam, S., Bashir, M. N., Javed, I.,. . . Iqbal, S. (2020). Multi-objective-optimization of process parameters of industrial-gas-turbine fueled with natural gas by using Grey-Taguchi and ANN methods for better performance. Energy Reports, 6, 2394-2402.
doi: 10.1016/j.egyr.2020.08.002.
(Iqra Javed) WoS/JCR(IF: 3.595)

7. Manzoor, T., Zafar, M., Iqbal, S., Nazar, K., Muddassir, A., Saleem, M., . . . Woo Young, K. (2020). Theoretical Analysis of Roll-Over-Web Surface Thin Layer Coating. Coatings, 10(7), 691.
doi: 10.3390/coatings10070691.
(Shaukat Iqbal) WoS/JCR(IF: 2.436)

8. Sarwar, S., Sirhindi, R., Aslam, L., Mustafa, G., Yousaf, M. M., & Jaffry, S. W. U. Q. (2020). Reinforcement Learning Based Adaptive Duty Cycling in LR-PANs. IEEE Access, 8, 161157-161174.
doi: 10.1109/ACCESS.2020.3021016.
(Ghulam Mustafa) WoS/JCR(IF: 4.098)

Highest Impact Factor:
(Amjad Hussain Zahid, Ghulam Mustafa) 4.098

9. Sattar, M. U., Palaniappan, S., Lokman, A., Shah, N., Khalid, U., & Hasan, R. (2020). Motivating medical students using virtual reality based education (iJET), 15(2), 160-174. **(Mian Usman Sattar)** SJR

10. Tanveer, M., Zahid, A. H., Ahmad, M., Baz, A., & Alhakami, H. (2020). LAKE-IoD: Lightweight authenticated key exchange protocol for the Internet of drone environment. IEEE Access, 8, 155645-155659. doi: 10.1109/ACCESS.2020.3019367. **(Amjad Hussain Zahid)** **WoS/JCR(IF: 4.098)**

Top Two Authors

Author	Count
Syed Khuram Shahzad	6
Iqra Javed	4

11. Ahmad, A., Jin, Y., Zhu, C., Javed, I., Maqsood, A., & Akram, M. W. (2020). Photovoltaic cell defect classification using convolutional neural network and support vector machine. IET Renewable Power Generation, 14(14), 2693-2702. https://digital-library.theiet.org/content/journals/10.1049/iet- rpg.2019.1342. **(Iqra Javed)** **WoS/JCR(IF: 3.894)**

JCR *(Impact factor)*:	10
Scopus *(SJR)*:	01
HEC Recognized:	00
Books/Book Chapters:	00
Conference Proceeding:	06

Conference Proceeding

1. Hasan, R., Palaniappan, S., Mahmood, S., Naidu, V. R., Agarwal, A., Singh, B.,. . Sattar, M. U. (2020, 2020//). A review: Emerging trends of big data in higher educational institutions. Paper presented at the Micro-Electronics and Telecommunication Engineering, Singapore.
(Mian Usman Sattar)

2. Tahir, M. U., Naqvi, M. R., Shahzad, S. K., & Iqbal, M. W. (2020, 22-23 Feb. 2020). Resolving Data De-Duplication issues on Cloud. Paper presented at the 2020 International Conference on Engineering and Emerging Technologies (ICEET).
(Syed Khuram Shahzad)

3. Naqvi, M. R., Jaffar, M. A., Aslam, M., Shahzad, S. K., Iqbal, M. W., & Farooq, A. (2020, 26-28 June 2020). Importance of Big Data in Precision and Personalized Medicine. Paper presented at the 2020 International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA).
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4. Naqvi, M. R., Aslam, M., Iqbal, M. W., Shahzad, S. K., Malik , M., & Tahir, M. U. (2020, 26-28 June 2020). Study of Block Chain and its Impact on Internet of Health Things (IoHT): Challenges and Opportunities. Paper presented at the 2020 International Congress onHuman-Computer Interaction, Optimization and Robotic Applications (HORA).
(Syed Khuram Shahzad)

5. Naqvi, M. R., Shahzad, S. K., Iqbal, M. W., Ahmed, M., Tahir, M. U., & Khan, B. A. (2020, 2-24 Oct. 2020). Need for Computational and Psycho-linguistics Models in Natural Language Processing for Web Documents. Paper presented at the 2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT).
(Syed Khuram Shahzad)

6. Rashid, U., Iqbal, M. W., Skiandar, M. A., Raiz, M. Q., Naqvi, M. R., & Shahzad, S. K. (2020, 22-24 Oct. 2020). Emotion Detection of Contextual Text using Deep learning. Paper presented at the 2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT).
(Syed Khuram Shahzad)