Dr. Naeem Akhtar

Associate Professor,
Institute of Chemical Sciences
Bahauddin Zakariya University, Multan, Pakistan
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https://scholar.google.com/citations?hl=en&user=985PcIsAAAAJ
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Research Expertise

- Design and synthesis of inorganic and composite nanomaterials for sensing, disease diagnosis, environmental monitoring, energy conversion and storage devices.
- Artificial Intelligence/Machine Learning integrated material optimization.

Education

PhD (Doctor of Science) (2013-2016)

Graduate School of Advance Science and Engineering, **Waseda University, Tokyo, Japan,**

Thesis: "Nanoelectrochemical Sensors for Selective Molecular Recognition"

Working Experience

2024 ~ Present: Associate Professor: Institute of chemical sciences, Bahauddin Zakariya University, Multan, Pakistan

2022 ~ 2024: Assistant Professor: Institute of chemical sciences, Bahauddin Zakariya University, Multan, Pakistan

2018 ~ 2022: Assistant Professor: Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS University Islamabad, Lahore Campus, Pakistan

2016 ~ 2017: Assistant Professor: Institute of chemical sciences, Bahauddin Zakariya University, Multan, Pakistan

2013 ~ 2016: **NIMS Junior Researcher, Tsukuba, Japan**

Research grants

2023: **(PI)** Title: Engineering portable nano-sensors for biofilm identification and pathogen monitoring: A step toward on-site diagnosis of infectious Diseases. Funding Source: HEC. Grant Number: Ref No. 20-16236/NRPU/R&D/HEC/2021 2021. Amount: ~ **32000 USD**

2019: **(PI)** Title: Fabrication of highly sensitive and selective electrochemiluminescence biosensor for precise monitoring of dopamine from nerve cells Funding Source: PSF-MSRT IRAN (PSF-MSRT II/Phy/P-COMSATS-lhr (13)) Amount: ~ **4500 USD**

2018: **(PI)** Title: Fabrication of photo-electrochemical sensor to monitor H2O2 released by living cells. Funding Source: COMSATS-SRGP (16-53/CRGP/CUI/LHR/18/707) Amount: ~ **1100 USD**

2018: **(PI)** Title: Sensor for precise monitoring of vitamin c from saliva of gingivitis patient Funding Source: HEC-SRGP (No.21-1910/SRGP/R&D/HEC/2018) Amount: ~ **1700 USD**

2021: **Co-PI** Title: Enzyme-free detection of metabolites related to SARS-CoV-2 infection Funding Source: ATU-Net Young Researcher Grant 2021 Amount: **2400 USD**

2022: **Co-PI** Title: Development of electrochemical sensing platform for simultaneous detection of multiple trace metal ions in aqueous solution Funding Source: HEC-NRPU Amount: ~ **27000 USD**

Honor & Awards

2025: **TYSP-Talented Young Scientist Program (Visiting Scientist China)**

2024: **Guest Editor**: Discover Sensors (**Springer Nature**): Collection Call for Papers - Emerging Trends in Machine Learning Integrated Devices for Non-Invasive Diagnostics (https://link.springer.com/collections/fdhicecjja)

2024: PIFI Visiting Scientist China (**CAS President's International Fellowship Initiative** (PIFI))

2017: Gold Medal-Bahauddin Zakariya University Multan (ZACHO).

2016: **Waseda University**-**NIMS joint graduate assistantship** (~180,0 USD/month)

2013: **Waseda University**, Excellent Young Doctoral Students Scholarship award for the Year 2013, 2014 and 2015

Student Training

25 Master and 4 PhD Students

Research Publications (Corresponding + First Author) Web of Science Journal Ranking Q1

Peer-reviewed journal articles: 88
H-index: 29

1. Muhammad Usman Ur Rehman, Anoud Saud Alshammari, Anam Zulfiqar, Farhan Zafar, Muhammad Ali Khan, Saadat Majeed, **Naeem Akhtar***, Wajid Sajjad, Sehrish Hanif, Muhammad Irfan, Zeinhom M. El-Bahy, Mustafa Elashiry. Biosensors and Bioelectronics, 2024. https://doi.org/10.1016/j.bios.2024.116498 **(IF: 10.7)**
2. Nageen Shoukat, Shanza Anzar, Muhammad Asad, Ahlam I. Al-Sulami, Hamad Khalid, Aqif Anwar Choudhary, Lubna Sherin, and **Naeem Akhtar***. ACS Sustainable Chemistry & Engineering, 2023. https://doi.org/10.1021/acssuschemeng.2c04482 **(IF: 9.2)**
3. Waseem Abbas, Farhan Zafar, Manal F. Abou Taleb, Mavra Ameen, Abdul Sami, Muhammad Ehsan Mazhar, **Naeem Akhtar***, Muhammad Waseem Fazal, Mohamed M. Ibrahim, Zeinhom M. El-Bahy. Food Chemistry, 2024. https://doi.org/10.1016/j.foodchem.2024.140395 **(IF: 8.5)**
4. Nimra Saher Zain; M. H. H. Mahmoud; Muhammad Imran Khan; Farhan Zafar; Surryia Manzoor; **Naeem Akhtar***; Muhammad Ali Khan; Islam H. El Azab; Zeinham M. El-Bahy. Journal of the Taiwan Institute of Chemical Engineers, 164, 105696, 2024. https://doi.org/10.1016/j.jtice.2024.105696 **(IF: 5.5)**
5. Mehvish Fatima, Sehrish Hanif, Eman Ramadan Elsharkawy, Farhan Zafar, Anam Zulfiqar, Muhammad Ali Khan, **Naeem Akhtar***, Zainab Fareed, Zeinhom M. El-Bahy, Zahid Shafiq, Cong Yu. Microchemical Journal, 2024. https://doi.org/10.1016/j.microc.2024.110921 **(IF: 4.9)**

6. Farhan Zafar, Muhammad Asad, Wajid Sajjad, Muhammad Ali Khan, **Naeem Akhtar*,** Sadaf Ul Hassan, Cong Yu. International Journal of Hydrogen Energy, 2025, 384-393. https://doi.org/10.1016/j.ijhydene.2024.12.006 **(IF: 8.1)**
7. Farhan Zafar, Salah M. El-Bahy, Abdul Sami, Sadaf Ul Hassan*, **Naeem Akhtar***, Adel Qlayel Alkhedaide, Hailing Ma, Yao Tong*, Shuaifei Zhao, ACS Applied Materials & Interfaces, 2025, https://doi.org/10.1021/acsami.5c00455 **(IF 8.5)**
8. Farhan Zafar, Muhammad Ali Khan, Mohamed M. El-Toony, **Naeem Akhtar***, Sadaf Ul Hassan*, Rana Abdul Shakoor, Cong Yu*. Advanced Sustainable Systems, 2025, 2400840 https://doi.org/10.1002/adsu.202400840 **(IF 6.5)**
9. Khizer Hayat, Aqsa Munawar, Anam Zulfiqar, Mahmood Hassan Akhtar, Hafiz Badaruddin Ahmad, Zahid Shafiq, Muhammad Akram, Awais Siddique Saleemi, **Naeem Akhtar***. ACS Applied Materials and Interfaces, 2020. **(IF: 10.3)**
10. Nimra Saher Zain, Ibrahim A. Shaaban, Farhan Zafar, Hafiz Muhammad Asif, Muhammad Tariq, Muhammad Ali Khan, **Naeem Akhtar***, Hafsa Kainat, Mohammad A. Assiri. Journal of Environmental Management, 2024. https://doi.org/10.1016/j.jenvman.2024.123211 **(IF: 8.0)**
11. Zulfiqar, A.; Zafar, F.; Yaqub, B.; Mahmoud, H. M. A.; Shah, M.; Widaa, E. M. A.; Nawaz, H.; **Naeem Akhtar***; Nishan, U. *Microchimica Acta, 190* (9), 355, 2023. https://doi.org/10.1007/s00604-023-05936-3 **(IF: 5.3)**
12. Muhammad Asad, Inas A. Ahmed, Farhan Zafar, Aleena Imran, Muhammad Ali Khan, **Naeem Akhtar,** Muhammad Athar, Zahid Shafiq, Electrochimica Acta, Volume 541, 20 November 2025, 147398, https://doi.org/10.1016/j.electacta.2025.147398 **(IF 5.5)**
13. Faria Khan, **Naeem Akhtar***; Nasir Jalal; Irshad Hussain; Rafal Szmi-gielsk; Muhammad Qasim Hayat; Hafiz Ahmad; Waleed A. El-Said; Minghui Yang; Hussnain Janjua; Microchimica Acta, 2019. https://doi.org/10.1007/s00604-019-3227-x **(IF: 5.3)**
14. Waqas, Muhammad; Zulfiqar, Anam; Ahmad, H. Badar; **Naeem Akhtar***; Hussain, M.; Shafiq, Z.; Abbas, Y.; Mehmood, K.; Ajmal, M.; Yang, M. Electrochimica Acta, 2018. https://doi.org/10.1016/j.electacta.2018.03.049 **(IF: 5.38)**
15. Mohammad Waseem, Salah M. El-Bahy, Mehar Muhammad Hamza Maqbool, Noor ul Islam, Farhan Zafar, Muhammad Ali Khan*, **Naeem Akhtar***, Muhammad Sohail, Mujahid Abbas, Adel Qlayel Alkhedaidee and Cong Yu, Journal of Materials Chemistry C, 2025, https://doi.org/10.1039/D4TC05271D **(IF 5.7)**

16. Ammara Fatima, Muhammad Asad, Farhan Zafar, Merfat M. Alsabban, Mehar Muhammad Hamza Maqbool, **Naeem Akhtar***, Muhammad Ali Khan*, Cong Yu*. ACS Energy & Fuel, 2025. https://doi.org/10.1021/acs.energyfuels.4c05417 **(IF 5.2)**
17. Wajid Sajjad, Eman A Ayob, Abdul Sami, Farhan Zafar, Saifullah, **Naeem Akhtar***, Muhammad Ali Khan*, Muhammad Usman Ur Rehman, Rana Abdul Shakoor*, Mohammed A. Amin, ACS Energy & Fuels, 2025, https://doi.org/10.1021/acs.energyfuels.5c01468 **(IF 5.2)**
18. Shanza Anzar, Sehrish Hanif, Ibrahim A. Shaaban, Ali Raza, Muhammad Ali Khan, Asma Naz, Hammad khalid, **Naeem Akhtar***, Lubna Sherin, Mohammed A. Assiri, Zeinhom M. El-Bahy. Microchemical Journal, 2024. https://doi.org/10.1016/j.microc.2024.112001 **(IF: 4.9)**
19. Azza A. Al-Ghamdi, Abdul Sami, Salah M. El-Bahy, Merfat M. Alsabban, Wajid Sajjad, Ahlam I. Al-Sulami, Muhammad Waseem Fazal, Reema H. Aldahiri, Fatimah Mohammad H. Al-Sulami, Muhammad Ali Khan, **Naeem Akhtar*.** Scientific Reports, 2025, 10677, https://doi.org/10.1038/s41598-025-95130-7 **(IF 3.8)**
20. Aqsa Munawar, Farhan Zafar, Saadat Majeed, Masooma Irfan, Hidayat Ullah Khan, Ghazala Yasmin, **Naeem Akhtar***. Journal of Electroanalytical Chemistry, 2021. https://doi.org/10.1016/j.jelechem.2021.115469 **(IF: 4.5)**
21. Waseem Abbas, Qinglei Liu, **Naeem Akhtar***, Javed Ahmad, Muhammad Ehsan Mazhar, Tengfei Li, Imran Zada, Lulu Yao, Raheela Naz, Muhammad Imtiaz, Wang Zhang, Ali Amjad, Di Zhang, Jiajun Gu. Journal of Electroanalytical Chemistry, 2019. https://doi.org/10.1016/j.jelechem.2019.113560 **(IF: 4.59)**
22. Sana Riaz, Muhammad Ali Khan, Taghrid S. Alomar, Aimon Furrakh, **Naeem Akhtar***, Nimra Saher Zain, Syed Waqas Bukhari, Nosherwan Adil, Najla Al-Masoud. Journal of Non-Crystalline Solids, 2025. https://doi.org/10.1016/j.jnoncrysol.2025.123398 **(IF: 3.2)**
23. **Naeem Akhtar**; El-Safty, Sherif A.; Abdelsalam, Mamdouh E.; Shenashen, Mohamed A.; Kawarada, Hiroshi, Biosensors and Bioelectronics (2015). 656-665 https://doi.org/10.1016/j.bios.2015.10.023 **(IF: 10.7)**
24. **Naeem Akhtar**; El-Safty, Sherif A.; Abdelsalam, Mamdouh E.; Kawarada, Hiroshi, Advanced Healthcare Materials, (2015). 2110-2119 https://doi.org/10.1002/adhm.201500369 **(IF: 11.092)**
25. **Naeem Akhtar**; El-Safty, Sherif A.; Khairy, Md; El-Said, Waleed A; Sensors and Actuators B: Chemical (2014). 158-166 https://doi.org/10.1016/j.snb.2014.10.038 **(IF: 8.0)**

(Corresponding + First Author) Web of Science Journal Ranking Q2

26. Abdul Sami, Atiba Wahid, Shaaban M. Shaaban, Wajid Sajjad, Farhan Zafar, **Naeem Akhtar***, Muhammad Ali Khan* and Muhammad Ehsan Mazhar, ACS Applied Energy Materials, 2025, https://doi.org/10.1021/acsaem.5c01002 **(IF 5.5)**
27. Saima Zulfiqar, Rabia Rafi, Muhammad Shahbaz Nawaz, Tariq Iqbal, Muhammad Mustehsan Bashir, Shahzad Sharif, **Naeem Akhtar***, Muhammad Yar. Materials Today Communications, 2024. https://doi.org/10.1016/j.mtcomm.2024.111002 **(IF: 3.7)**
28. Rabia Rafi, Saima Zulfiqar, Muhammad Asad, Rabia Zeeshan, Mubashra Zehra, Hamad Khalid, **Naeem Akhtar***, Muhammad Yar**. Materials Today Communications, 2023, 105914. https://doi.org/10.1016/j.mtcomm.2023.105914 **(IF: 3.6)**
29. Muhammad Waseem Fazal, Farhan Zafar, Muhammad Asad, Fatimah Mohammad H. Al Sulami, Hamad Khalid, Adel A. Abdelwahab, Muhammad Usman Ur Rehman, **Naeem Akhtar***, Waleed Ahmed El-Said, Sajjad Hussain, and Mohamed A. Shenashen; ACS Applied Energy Materials, 2023. https://doi.org/10.1021/acsaem.2c03439 **(IF: 5.4)**
30. Farhan Zafar, Muhammad Waseem, Muhammad Asad, Adel A Abdelwahab, Muhammad Usman Ur Rehman, **Naeem Akhtar***, Abdullah Akhtar, and Mohamed A Shenashen. Materials chemistry and physics, 2022, 126985. https://doi.org/10.1016/j.matchemphys.2022.126985 **(IF: 4.3)**
31. Faria Shakeel, Muhammad Waseem Fazal, Anam Zulfiqar, Farhan Zafar, **Naeem Akhtar*,** Arsalan Ahmed, Hafiz Badaruddin Ahmad, Safeer Ahmed, Asad Syed, and Ali H Bahkali. RSC Advances, 12, 2022, 26390-99. https://doi.org/10.1039/D2RA02754B **(IF: 3.9)**
32. Tayyab Masood, Muhammad Asad, Sara Riaz, **Naeem Akhtar***, Akhtar Hayat, Mohamed A. Shenashen, Mohammed M. Rahman. Materials Chemistry and Physics, 2022. **(IF: 4.3)**
33. Yasir Abbas, Shafqat Ali, Majid Basharat, Wenqi Zou, Fan Yang, Wei Liu, Shuangkun Zhang, Zhanpeng Wu, **Naeem Akhtar***, Dezhen Wu*. ACS Applied Nano Materials, 2020. https://doi.org/10.1021/acsanm.0c02466 **(IF: 5.3)**
34. **Naeem Akhtar**, Mohamme Y. Emran, M. A. Shenashena, H. Khalifaa, T. Osaka, A. Faheem, T. Homma b, H. Kawarada, S. A. El-Saftya, b, Journal of Materials Chemistry B (2017). 7985-7996 https://doi.org/10.1039/C7TB01803G **(IF: 7.57)**
35. **Naeem Akhtar**; El-Safty, Sherif A.; Khairy, Mohamed. Chemosensors (2014) 235-250; http://doi.org/10.3390/chemosensors2040235 **(IF: 4.22)**

(Corresponding + First Author) Web of Science Journal Ranking Q3

36. Bushra Yaqub, Sadaf Sarfraz, Anam Zulfiqar, Tehreem Ul Wara, Samra Rasheed, Shahid Habib Ansari, Sehrish Hanif, Safi Ullah Khan, Mohibullah Shah, **Naeem Akhtar***, New Journal of Chemistry, 2025, http://dx.doi.org/10.1039/D5NJ00760G, **(IF 2.7)**
37. Ahlam I. Al-Sulami, Ammara Fatima, Fatimah Mohammad H. Al-Sulami, Abdul Sami, Reema H. Aldahiri, Maria Khan, Azza A. Al-Ghamdi, **Naeem Akhtar*** and Waleed Ahmed El Said*. New Journal of Chemistry, 2023. https://doi.org/10.1039/D3NJ05380F **(IF:2.7)**
38. Reda M. El-Shishtawy, Mahmoud A. Hussein, Salih S. Al-Juaid, Muhammad Waseem Fazal, Waleed A. El-Said*, and **Naeem Akhtar****. New Journal of Chemistry, 2023. https://doi.org/10.1039/D3NJ02322B **(IF: 2.7)**
39. Muhammad Usman Ur Rehman; Gaber A. M. Mersal; Muhammad Farhan Farid; Azza A. Al-Ghamdi; Ahlam I. Al-Sulami; Muhammad Waseem Fazal; Mohamed M. Ibrahim; Saadat Majeed; **Naeem Akhtar*.** New Journal of Chemistry, 47 (39), 18411-18418, 2023. https://doi.org/10.1039/D3NJ03230B **(IF: 2.7)**
40. Shahid Habib Ansari, Sana Amjad, Tehreem Ul Wara, Sehrish Hanif, Ali Raza, Hafiza Khushbakht Hussain, **Naeem Akhtar*,** Mohibullah Shah, Imran Imran, Sonam Javaid Khan, Bushra Yaqub, Samra Rasheed, Analytical Biochemistry, Volume 708, January 2026, 115980 https://doi.org/10.1016/j.ab.2025.115980

Co-Author Research Publications Web of Science Journal Ranking (Q1)

41. Yousaf, Ayesha, Zhihua Zhao, Naeem Akhtar, Muhammad Aizaz, Maham Shahzadi. Chemical Engineering Journal, 2025. https://dx.doi.org/https://doi.org/10.1016/j.cej.2025.161299 (IF 13.4)
42. Abbas, Waseem; Naeem Akhtar; Liu, Qinglei; Li, Tengfei; Zada, Imran; Yao, Lulu Naz, Raheela; Zhang, Wang; Mazhar, Muhammad Ehsan; Di Zhang, Ma, Dongling; Gu, Jiajun; Sensors and Actuators B: Chemical. 282, 2019, 617-625. https://doi.org/10.1016/j.snb.2018.11.114 (IF:8.0)
43. Emran, Mohammed Y., Mohamed A. Shenashen, Moataz Mekawy, Ahmed M. Azzam, Naeem Akhtar, Hassenien Gomaa, Mahmoud M. Selim, Ahmed Faheem, and Sherif A. El-Safty. Sensors and Actuators B: Chemical 259 (2017): 114-124. https://doi.org/10.1016/j.snb.2017.11.156 (IF: 8.0)
44. Mohammed Y. Emran, M. Mekawy, Naeem Akhtar, M.A. Shenashen, I. M. EL-Sewify, A. Faheem, S. A. El-Safty. Biosensors & Bioelectronic, 2018. http://dx.doi.org/10.1016/j.bios.2017.08.050 (IF: 10.7)
45. Yasir Abbas, Naeem Akhtar, Sania Ghaffar, Ahlam I Al-Sulami, Muhammad Asad, Muhammad Ehsan Mazhar, Farhan Zafar, Akhtar Hayat, Zhanpeng Wu, Biosensors (Basel). (2022)1106 https://doi.org/10.3390/bios12121106 (IF: 4.9)

46. Ahmed Shahat, M.A. Mahmoud, I.M. El-Sewify, A. Reda, Naeem Akhtar, A. Alharbi, A. Radwan, M. Hasan, M.A. Shenashen, S.A. El-Safty. Nano Energy, 2025, 110897, https://doi.org/10.1016/j.nanoen.2025.110897 (IF 16.8)
47. Sadaf Hashmi, Samra Khan, Zahid Shafiq, Parham Taslimi, Muhamamd Ishaq, Nastaran Sadeghian, Halide Sedef Karaman, Naeem Akhtar, Muhamamd Islam, Asnuzilawati Asari, Habsah Mohamad, İlhami Glucan. Bioorganic Chemistry, 2020. https://doi.org/10.1016/j.bioorg.2020.104554 (IF: 4.5)
48. Warkocki, Wojciech, Sherif A. El-Safty, Mohamed A. Shenashen, Emad Elshehy, Hitoshi Yamaguchi, and Naeem Akhtar, Journal of Materials Chemistry A 3, no. 34, 2015, 17578-17589. https://doi.org/10.1039/C5TA02827B (IF: 10.7)
49. Mohammed Y. Emran, Hesham Khalifa, Hassanien Gomaa, Mohamed A. Shenashen, Naeem Akhtar, Moataz Mekawy, Ahmed Faheem, Sherif A. El-Safty. Microchimica Acta, 2017. https://doi.org/10.1007/s00604-017-2498-3 (IF: 5.4)
50. Nawaz, R.; Hussan, Z.; Ali, F.; Naeem Akhtar.; Fatima, B.; Najam ul Haq, M.; Bokhari, A.; Raza Naqvi, S.; Ouladsmane, M.; Majeed, S. Fuel, 348, 128303, 2023. https://doi.org/10.1016/j.fuel.2023.128303 (IF: 6.7)
51. Muhammad Azhar Hayat Nawaz, Muhammad Waseem Fazal, Naeem Akhtar, Mian Hasnain Nawaz, Akhtar Hayat, and Cong Yu. Biosensors, 12, 2022, 844. https://doi.org/10.3390/bios12100844 (IF: 5.2)
52. Khalafallah, Diab, Naeem Akhtar, Othman Y. Alothman, and H. Fouad. Solid State Sciences 71, 2017, 51-60. https://doi.org/10.1016/j.solidstatesciences.2017.07.002 (IF: 3.4)
53. Zahra Batool, Gulzar Muhammad, Muhammad Mudassir Iqbal, Muhammad Shahbaz Aslam, Muhammad Arshad Raza, Noreen Sajjad, Muhammad Abdullah, Naeem Akhtar, Asad Syed, Abdallah M. Elgorban, Salim S. Al-Rejaie & Zahid Shafiq. Scientific Reports, 2022. https://doi.org/10.1038/s41598-022-10495-3 (IF: 3.8)
54. Awais Siddique Saleemi, Muhammad Hafeez, Aqsa Munawar, Naeem Akhtar, Waseem Abbas, Muhammad Ehsan Mazhar, e Zahid Shafiq, Anthony P. Davis, Shern-Long Lee. Journal of Materials Chemistry C, 2020. https://doi.org/10.1039/D0TC01913E (IF: 5.7)
55. Hafiza Khushbakht Hussain, Nida Rasheed, Zohabia Rehman, Sehrish Hanif, Waseem Ashraf, Syed Muhammad Muneeb Anjum, Rana Muhammad Zahid Mushtaq, Naeem Akhtar, Faleh Alqahtani, Imran Imran, Experimental Gerontology, Volume 210, 15 October 2025, 112881, https://doi.org/10.1016/j.exger.2025.112881 (IF 4.3)
56. Mehmood, S.; Naeem Akhtar.; Arshad, M.; Azhar, U.; Ullah, S.; Waris, T. S.; Jabbar, F.; Hasan, A.; Iqbal, F.; Chaudhry, A. A.; Rehman, I. u.; Yar, M.. International Journal of Biological Macromolecules, 267, 129256, 2024. https://doi.org/10.1016/j.ijbiomac.2024.129256 (IF: 7.7)

Co-Author Research Publications Web of Science Journal Ranking (Q2)

57. Abdullah Akhdhar, Abdullah S. Al-Bogami, Waleed A. El-Said, Farhan Zafar, Naeem Akhtar, PLOS ONE, 2025, https://doi.org/10.1371/journal.pone.0324357 (IF 2.9)
58. Waleed A. El-Said, Deia A. El-Hady, Wael Alshitari, Ziya A. Khan, Naeem Akhtar, Yusuke Yamauchi. Materials Chemistry and Physics, 2024. https://doi.org/10.1016/j.matchemphys.2024.130120 (IF: 4.3)
59. Elham S Aazam, Naeem Akhtar, and Waleed Ahmed El-Said. Materials chemistry and physics, 2022, 126884. https://doi.org/10.1016/j.matchemphys.2022.126884 (IF: 4.3)
60. Amara, Umay, Sara Riaz, Khalid Mahmood, Naeem Akhtar, Muhammad Nasir, Akhtar Hayat, Muhammad Khalid, Muhammad Yaqub, and Mian Hasnain Nawaz. RSC advances 11, no. 40, 2021, 25084-25095. https://doi.org/10.1039/d1ra03908c (IF: 3.9)
61. Shenashen, Mohamed A., Naeem Akhtar, Mahmoud M. Selim, Wafaa M. Morsy, Hitoshi Yamaguchi, Satoshi Kawada, Abdulaziz A. Alhamid et al. Chemistry–An Asian Journal 12, no. 15, 2017, 1952-1964. https://doi.org/10.1002/asia.201700666 (IF: 3.5)
62. Mohamed A. Shenashen, Diab Hassen, Sherif A. El-Safty, Mahmoud M. Selim, Naeem Akhtar, Abhijit Chatterjee, Ahmed Elmarakbi. Advanced Materials Interfaces, 2016. https://doi.org/10.1002/admi.201600743 (IF: 4.7)
63. Mazhar, Muhammad Ehsan, Muhammad Bilal, Abdul Waheed, Javed Ahmad, Imran Khan, Waseem Abbas, Naeem Akhtar. Physica Scripta 96, no. 12, 2021, 125822. https://doi.org/10.1088/1402-4896/ac237b (IF: 2.6)
64. Muhammad Azhar Hayat Nawaz, Mahmood Hassan Akhtar, Jia Ren, Naeem Akhtar, Akhtar Hayat, and Cong Yu. Nanotechnology, 33, 2022, 485502. (IF: 2.9) (Q2)
65. Ajmal, Muhammad; Aftab, Faiza; Bibi, Iram; Iqbal, Muzaffar; Ambreen Jaweria; Ahmad, Hafiz Badaruddin; Naeem Akhtar, Haleem, Abdul; Siddiq, Muhammad; Journal of Porous Materials, 2019. https://doi.org/10.1007/s10934-018-0654-8 (IF: 1.9)
66. Abbas, Yasir; Majeed, Sahresh; Ali, Shafqat; Ahmad, Hafiz Badaruddin; Naeem Akhtar; Yokota, Hiroshi; Water Environment Research, 90(12):2106-2113, 2018. https://doi.org/10.2175/106143017X15131012188240 (IF: 1.24)
67. Abbas, Yasir; Zuhra, Zareen; Naeem Akhtar; Ali, Shafqat. ACS Applied Energy Materials, 2018. https://doi.org/10.1021/acsaem.8b00346 (IF:5.4)

Co-Author Research Publications Web of Science Journal Ranking (Q3)

68. Yanjie Wang, Saher Hamid, Xin Zhang, Naeem Akhtar, Xuehua Zhang and Tao Hea. New Journal of Chemistry, 2017. https://doi.org/10.1039/C6NJ03338E (IF: 2.7)

69. Ghafoor, M., Khan, Z.U., Nawaz, M.H., Naeem Akhtar., Rahim, A. and Riaz, S. Environmental Monitoring and Assessment, 195(3), p.423, 2023. https://doi.org/10.1007/s10661-023-10966-8 (IF: 2.9)
70. Maria Zaib, Tabinda Malik, Naeem Akhtar, Tayyaba Shahzadi. Waste and Biomass Valorization, 2022. https://doi.org/10.1007/s12649-021-01665-x (IF: 3.7)
71. Muhammad Ehsan Mazhar, Samia Bakhtawar, Anwar Manzoor, Muhammad Nauman Usmani, Naeem Akhtar, Waseem Abbas, Khalil Khan and Javed Ahmad. Materials Research Express, 2019. https://doi.org/10.1088/2053-1591/ab0f5f (IF: 1.1)
72. Ahmad, Irshad; Mazhar, Muhammad Ehsan; Usmani, Muhammad; Mehmood, Mohsin; Abbas, Waseem; Naeem Akhtar; Ahmed, Ejaz. Materials Research Express, 2019. https://doi.org/10.1088/2053-1591/ab1562 (IF: 1.1)
73. Emran, Mohammed; Shenashen, Mohamed; Abdelwahab, Adel; Khalifa Hesham; Mekawy, Moataz; Naeem Akhtar; Abdelmottaleb, Mohamed; A. El-Safty, Sherif; Journal of Applied Electrochemistry, 2018. https://doi.org/doi.org/10.1007/s10800-018-1175-5 (IF:1.5)