

Short CV

Dr. Haq Nawaz

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Scholarly Publications: 121

Citations: 2294

Impact factor: 300

HEC Approved Supervisor: Yes

Short Profile:

Dr. Haq Nawaz obtained his Masters in Chemistry from Department of Chemistry, University of Agriculture Faisalabad (UAF) in 2003. He obtained his MPhil in Chemistry from National Institute for Biotechnology and Genetic Engineering (NIBGE) Faisalabad, Pakistan (In affiliation with Quaid-I-Azam University, Islamabad, Pakistan) in 2006.

He obtained his PhD in Chemistry from FOCAS Research Institute, Dublin Institute of Technology, Dublin 8, Ireland in 2012 with PhD thesis title “Raman micro spectroscopy for the investigation of interaction of the anticancer agents with cells.”. Currently, he is working as an Associate Professor of Chemistry at Department of Chemistry and UAF Community College PARS, University of Agriculture Faisalabad (UAF) since **October, 2021**. He has several research publications with reputable scientific research publishers like ACS, RSC etc.

Research Projects: He has completed three research projects namely start-up grant and NRPU worth Rs. 4,750 US \$ and 37,997 US \$ from HEC and a 10,000 US \$ from ISESCO respectively.

Research interests: Raman micro spectroscopy, Cell culture, tissue samples, Bio-molecules, Multivariate data analysis techniques (MatLab), Cell based assays, Flow cytometry, Molecular biology, Biosensors

Latest Scholarly Publications:

1. Yousaf, A., Ullah, M. H., Nawaz, H., Majeed, M. I., Rashid, N., Alshammari, A., ... & Ditta, A. (2025). SERS-assisted characterization of cell biomass from biofilm-forming *Acinetobacter baumannii* strains using chemometric tools. *RSC advances*, 15(6), 4581-4592.
2. Shoukat, Z., Atta, R., Majeed, M. I., **Nawaz, H.**, Rashid, N., Alshammari, A., ... & Ali, S. (2025). SERS profiling of blood serum filtrate components from patients with type II diabetes using 100 kDa filtration devices. *RSC advances*, **15(4)**, 2287-2297.
3. Salafi, A. B., Hussain, M., Majeed, M. I., **Nawaz, H.**, Rashid, N., Albekairi, N. A., ... & Javed, M. (2025). Surface-enhanced Raman spectroscopy for the characterization of filtrate portions of hepatitis B blood serum samples using 100 kDa ultra filtration devices. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 125883.

4. Usman, M., Parveen, A., Rashid, N., **Nawaz, H.**, Majeed, M. I., Alshammari, A., ... & Bashir, S. (2025). Surface-enhanced Raman spectroscopy for the characterization of filtrate portions of blood serum samples of myocardial infarction patients using 30 kDa centrifugal filter devices. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **329**, 125588.
5. Usman, M., Parveen, A., Rashid, N., **Nawaz, H.**, Majeed, M. I., Alshammari, A., ... & Bashir, S. (2025). Surface-enhanced Raman spectroscopy for the characterization of filtrate portions of blood serum samples of myocardial infarction patients using 30 kDa centrifugal filter devices. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **329**, 125588.
6. Atta, R., Shoukat, Z., **Nawaz, H.**, Majeed, M. I., Rashid, N., Albekairi, N. A., ... & Javed, M. (2025). Surface-Enhanced Raman Spectroscopy for the Characterization of Filtrate Portions of Blood Serum Samples of Malaria Patients Using 30 kDa Filtration Devices. *Plasmonics*, 1-10.
7. Shahid, U., Rashid, N., Javed, M. R., Majeed, M. I., Mohsin, M., **Nawaz, H.**, ... & Shahid, H. (2025). Surface-enhanced Raman spectroscopy for the rapid identification of fosfomycin resistant and sensitive strains of *E. coli*. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **329**, 125517.
8. Arshad, S., Yaseen, S., **Nawaz, H.**, Majeed, M. I., Rashid, N., Ali, A., ... & Ditta, A. (2025). Biochemical Profiling of Iron Deficiency Anemia by Using SERS and Multivariate Analysis of Low Molecular Weight Fractions of Serum. *Plasmonics*, 1-15.
9. Maryam, A., Ehsan, M., Majeed, M. I., **Nawaz, H.**, Rashid, N., Alshammari, A., ... & Bakar, M. A. (2025). SERS-Based Comparison of Serum Filtrate Portions of Typhoid and Tuberculosis Patients Obtained Using 50 kDa Filtration Devices. *Plasmonics*, 1-12.
10. Tariq, R., Khalil, M. Z., **Nawaz, H.**, Majeed, M. I., Rashid, N., Albekairi, N. A., ... & Wasim, M. (2025). Surface Enhanced Raman Spectral Monitoring of 50 KDa Filtrate Portions of Blood Serum Samples of Patients with Iron Deficiency Anemia. *Journal of Raman Spectroscopy*.
11. Ditta, A., Zhang, R., **Nawaz, H.**, Majeed, M. I., He, S., Zhuang, Z., ... & Pallares, R. M. (2025). An exploratory clinical study of the diagnosis and staging of typhoid fever using label-free surface-enhanced Raman spectroscopy liquid biopsy. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 125864.
12. Atta, M. M., Kashif, M., Majeed, M. I., **Nawaz, H.**, Alshammari, A., Albekairi, N. A., ... & Bashir, S. (2025). Surface-Enhanced Raman Spectroscopy for the Characterization of Blood Serum Samples of Chronic Kidney Disease by Using 100 kDa. *Plasmonics*, 1-12.
13. Zohaib, M., Shahzadi, A., Majeed, M. I., **Nawaz, H.**, Aslam, M. A., Alshammari, A., ... & Ali, S. (2025). Surface-Enhanced Raman Spectroscopy (SERS) for the Characterization of Bacterial Isolates in Pus. *Analytical Letters*, 1-14.
14. Kanwal, N., Rashid, N., Majeed, M. I., **Nawaz, H.**, Amber, A., Zohaib, M., ... & Bashir, A. (2025). Surface-enhanced Raman spectroscopy for the characterization of xylanases enzyme. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, **325**, 125065.
15. Naz, M., Shafique, H., Majeed, M. I., **Nawaz, H.**, Rashid, N., Alshammari, A., ... & Shahid, H. (2024). Surface-enhanced Raman spectroscopy (SERS) for the diagnosis of acute myocardial infarction (AMI) using blood serum samples. *RSC advances*, **14(40)**, 29151-29159.
16. Tahir, M., Majeed, M. I., Anwar, M. A., **Nawaz, H.**, & Mushtaq, Z. (2024). Surface-Enhanced Raman Spectroscopy for Evaluation of Antibacterial Activity of the N-Heterocyclic Carbene Selenium Complex and Its Ligand Against Pathogenic Bacterial Strains Using Multivariate Data Analysis Techniques. *Analytical Letters*, **57(18)**, 3131-3148.