Name	**Dr. Naveed Ahmad** PhD Physics
Point of Contact	**Postal Address**: Assistant Professor, Department of Physics, Mirpur University of Science and Technology, Mirpur Azad Jammu & Kashmir, Pakistan **E-mails**: naveedahmed.phy@must.edu.pk
Qualification	**PhD**
Experience	Date — Title — Institution. 26-02-2022 — Assistant Professor — MUST, Mirpur 24-09-2016 — Lecturer — MUST, Mirpur 30-01-2015 — Junior Lecturer — MUST, Mirpur 14-01-2010 — Research Associate — MUST, Mirpur 02-02-2009 — Research Associate — UAJK, Muzaffarabad
Brief Statement of Research Interest	I am currently working in the field of Biphotonic using Laser based Spectroscopy. I intended to work on the applications of Raman and Fluorescence spectroscopy in imaging technology.

Publications	List publications in standard bibliographic format with earliest date first.

1. **N. Ahmad**, M. Saleem, H. Ali, M. Bilal, S. Khan, R. Ullah, M. Ahmed, and S. Mahmood. 2017. Defining the temperature range for cooking with Extra virgin olive oil using Raman spectroscopy. Laser Phys. Lett. 14:1–10.

2. Saleem, M., **Ahmad, N**., Ali, H., Bilal, M., Khan, S., Ullah, R., Ahmed, M., Mahmood, S., 2017. Investigating temperature effects on extra virgin olive oil using fluorescence spectroscopy. Laser Phys. 27, 01–10.
3. **N. Ahmad**., M. Saleem, M. Ahmed, and S. Mahmood. 2018. Heating effects on Desi Ghee using Raman Spectroscopy. Appl. Spectroscopy(01-14).

4. **N. Ahmad,** Saleem M. Studying heating effects on desi ghee obtained from buffalo milk using fluorescence spectroscopy. PLoS One. 13 (2018) ; 01-17, 13: e0197340.

5. Saleem M, **Ahmad N**, Characterization of canola oil extracted by different methods using fluorescence spectroscopy, *PLoS One* **2018**, 01.

6. **N. Ahmad**, M. Saleem, Babar Manzoor Atta & S. Mahmood Characterisation of Desi ghee extracted from different methods using Fluorescence spectroscopy, Journal of Fluorescence. https://doi.org/10.1007/s10895-019-02453-6.

7. **N. Ahmad**, M. Saleem, Characterisation of Desi ghee obtained from different extraction methods using Raman spectroscopy, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 223 (2019) 117311.

8. **N. Ahmad**, M. Saleem, Raman spectroscopy based characterization of desi ghee obtained from buffalo and cow milk, , International Dairy Journal. 89 (2019) 119–128.

9. **N. Ahmad**, M. Saleem, Characterization of Cow and Buffalo ghee using Fluorescence spectroscopy, , Int. J. of dairy technology. 89 (2019) 119–128.

10. M. Saleem & **Naveed Ahmad** & Rahat Ullah & Zulfiqar Ali & S. Mahmood & Hina Ali; Raman Spectroscopy–Based Characterization of Canola Oil. Food Analytical methods https://doi.org/10.1007/s12161-020-01752-0

11. Areeba Ansar · **Naveed Ahmad** · Mha Albqmi · Muhammad Saleem · Hina Ali; Thermal Effects on Quality parameters of Extra Virgin Olive oil Using Fluorescence Spectroscopy. Journal of Fluorescence. DOI: 10.1007/s10895-023-03186-3, 2023 https://pubmed.ncbi.nlm.nih.gov/36826729/

12. Muhammad Saleem, Hina Ali, M. Bilal, Babar M. Atta & Naveed Ahmad; Quality Analysis of Canola and Mustard Oil Using Fluorescence Spectroscopy. Journal of Fluorescence: https://link.springer.com/article/10.1007/s10895-023-03185-4, 2023

13. Muhammad Saleem, Naveed Ahmad; Fluorescence Spectroscopy based characterization of Flaxseed oil. Journal of Fluorescence: https://doi.org/10.1007/s10895-024-03684-y, 2024

14. Ashfaq Ahmad1 · Hassan M. Khan1,4 · Mohammad Imran3 · Mohammad A. Assiri3 · Imran Sadiq2 · **Naveed Ahmad**6 ·Muhammad Iqbal Hajana9 · J. El Ghoul5,7 · Sharif Abu Alrub5 · Zainab Mufarreh Elqahtani8Study of Cu-Zn Spinel Ferrites on Europium Substitution for High-Frequency Applications, Journal of Electronic Materials, 2023 : https://doi.org/10.1007/s11664-023-10858-0.

15. Kokab Sabir, **Naveed Ahmad**, Hina Ali: Monitoring quality parameters of mango juices using fluorescence spectroscopy, 2024, Journal of Fluorescence

	https://doi.org/10.1007/s10895-024-03818-2 Kokab Sabir, Naveed Ahmad, Hina Ali: Real time quality control in mango juices using Synchronous Fluorescence Spectroscopy, 2025, Journal of Fluorescence https://doi.org/10.1007/s10895-025-04289-9
Research Grants and Contracts.	Entries should include • Completed One Project from ORIC MUST