

# NADA ALI ALKHORAYEF

Assistant Professor

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Prepared professional seeking to leverage teaching at Shaqra university knowledge in assistant professor position. Skilled in preparing and delivering lectures, evaluating and grading student work and preparing course materials. Master project in Validation and characterization of novel candidate drug target proteins for the treatment of breast cancer has developed my scientific skills in isolation of RNA from cancer cell lines and validation of drug. PhD thesis in construction and testing of an efficient biophotonic imaging reporter system to study pneumococcal biology *in vitro* and *in vivo* has developed my scientific skills in genetic analysis, mutation and bioluminescence imaging *in vivo* studies.

## Skills

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February 2011 to Current Assistant Professor at Shaqra University Collage of Applied Medical Sciences, Laboratory department. Joining "Preparing to teach in higher Education, UK" and "Online teaching and E-learning, California" course supported my aim to develop teaching ideas and tools. Also attending conferences related to Microbiology in Belfast, Technology supported Learning in Berlin, and Academic Leader Professional Development Program in Shaqra University opened new horizons regarding improving the educational process.

## Work History

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**2022-06 - Current**

### Assistant Professor

*Shaqra University , RIYADH*

- Evaluated and supervised student activities and performance levels to provide reports on academic progress.
- Assisted professors and school administrators with continuous development, review, planning and outcomes evaluation to measure laboratory program performance.
- Proctored exams and provided remediation for learning improvement goals.
- Applied innovative teaching methods to encourage student learning objectives.

**2011-02 - 2022-06**

### Lecturer

*Shaqra University, RIYADH*

- Used variety of learning modalities and support materials to facilitate learning process and accentuate presentations.
- Evaluated and revised lesson plans and course content to achieve student-centered learning.
- Collaborated with faculty and staff to create meaningful learning experiences.
- Used PowerPoint and Google Classroom technology to give presentations to student classrooms.

## Education

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| 2000-09 - 2004-05 | <b>Bachelor of Science: Microbiology</b><br><i>Taibah University – Madinah</i>                   |
| 2009-08 - 2010-11 | <b>Master of Science: Molecular Medicine</b><br><i>Essex University – Colchester</i>             |
| 2016-11 - 2021-03 | <b>Ph.D.: Infection, Immunity And Inflammation</b><br><i>University of Leicester – Leicester</i> |

## Publication

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Qu, Xiaopeng, et al. "Effect of Tea Saponins on Rumen Microbiota and Rumen Function in Qinchuan Beef Cattle." *Microorganisms* 11.2 (2023): 374.

Assiri, R., Alharbi, N.A., Alsaheed, T.S. *et al.* Development of more potent anti-microbial drugs from extracts of five medicinal plants resistant to *S. aureus* in human fluids: an ex vivo and in vivo analysis. *Rend. Fis. Acc. Lincei* (2023). <https://doi.org/10.1007/s12210-023-01135-7>

Alsolais, Abdullellah M., et al. "Ranitidine Contaminated With N-Nitrosodimethylamine (Ndma) Link To Carcinoma: A Systematic Review And Meta-Analysis." *Journal of Pharmaceutical Negative Results* (2023): 2031-2043.

Liang, S.; Qi, Y.; Yu, H.; Sun, W.; Raza, S.H.A.; Alkhorayef, N.; Alkhalil, S.S.; Salama, E.E.A.; Zhang, L. Bacteriophage Therapy as an Application for Bacterial Infection in China. *Antibiotics* **2023**, *12*, 417. <https://doi.org/10.3390/antibiotics12020417>

Alkhorayef, N., Almutery, F. T., Rasheed, Z., Althwab, S. A., Aljohani, A. S., Alhawday, Y. A., ... & Al Abdulmonem, W. (2023). Regulatory effects of ketogenic diet on the inflammatory response in obese Saudi women. *Journal of Taibah University Medical Sciences*, *18*(5), 1101-1107.

Tabassum, G., Singh, P., Gurung, R., Hakami, M. A., Alkhorayef, N., Alsaiari, A. A., ... & Dohare, R. (2023). Investigating the role of Kinesin family in lung adenocarcinoma via integrated bioinformatics approach. *Scientific Reports*, *13*(1), 9859.

Alsaiari, A. A., Hakami, M. A., Alotaibi, B. S., Alkhalil, S. S., Alkhorayef, N., Khan, K., & Jalal, K. (2023). Delineating multi-epitopes vaccine designing from membrane protein CL5 against all monkeypox strains: a pangenome reverse vaccinology approach. *Journal of Biomolecular Structure and Dynamics*, 1-22.