

Quarterly Research Output Report (Q1 2026)



الجامعة الوطنية . السودان
National University Sudan

Quarterly Research Output Report (Q1 2026)

Research Publications & Ranking Indicators

1. Research Output

During the first quarter of 2026, faculty members produced **19 publications** in peer-reviewed international journals.

19 Research Publications in Q1 2026

Faculty Contributions to Peer-Reviewed International Journals



2. Publications by Journal Quartile

Quartile	No. of Publications	Percentage
Q1	11	~50–60%
Q2	3	~15%
Q3/Q4	4	~15–20%
Emerging	1	~10–15%

3. High-Impact Publications

Publications appeared in leading journals including:

Q1:

- PLoS Neglected Tropical Diseases.
- Nature Communications.
- Lancet Regional Health–Africa.
- Scientific Reports 2.
- Antibiotics.
- Lancet Neurology.
- Nanomedicine.
- Sustainable Futures.
- PLOS One.
- Frontiers in Radiology.

Q2 :

- Transactions of Royal Society Tropical Medicine & Hygiene
- Dentistry Journal
- SAGE Open Medicine

Q3–Q4 :

- Clinical Case Reports (2 papers)
- Cureus
- Discover Education

Emerging :

- European Journal of Medical and Health Research (verify indexing)

4. Institutional Ranking Indicators

Key Performance Indicators (KPIs)

Indicator	Q1 2026 Status
Total Publications	19
Indexed Publications (Scopus/WoS)	High proportion
Q1 Publications	Majority
Publications in High-Impact Journals	Multiple
International Collaborative Publications	Strong
Multidisciplinary Publications	Increasing

5. Contribution to Institutional Ranking

Research output contributed positively to indicators relevant to:

- Times Higher Education research metrics
- QS citations and reputation indicators

Particular strengths observed:

- High proportion of Q1 publications
- Publications in high-visibility journals
- Increased international collaboration
- Growth in health, biomedical, and interdisciplinary research output

6. Quarterly Highlights

- Publication in elite journals including Nature Communications and The Lancet Neurology
- Strong performance in tropical medicine and global health research
- Positive trajectory for institutional research visibility

7. Summary

Research performance during Q1 2026 reflects sustained growth in publication output, strong representation in Q1 journals, increasing international collaboration, and positive contribution to institutional ranking indicators

List of publications:

1. Saeed AA, Osman MSS, Fahal AH. Molecular docking approaches in mycetoma: Toward improved patient management. *PLoS Negl Trop Dis*. 2026;20(2):e0013963. doi:10.1371/journal.pntd.0013963.
2. Mosi L, Acharya B, Asiedu K, Bamisaiye A, Benbow ME, De Souza D, et al. Integrated action for skin neglected tropical diseases: Deconstructing transmission, addressing knowledge gaps, and championing one health strategies. *Nat Commun*. 2026. doi:10.1038/s41467-026-69065-0. Epub ahead of print.
3. Ahmed R, Saeed AA, Fahal AH, Dube A. Advances in the treatment of mycetoma: The emerging role of nanomedicine. *Nanomedicine*. 2026. doi:10.1080/17435889.2026.2645392.
4. Badri R, Fahal AH. Left gluteal and perianal eumycetoma lesion extending into the left greater sciatic foramen, pelvic cavity to the external anal sphincter. *Clin Case Rep*. 2026;14(3):e72316. doi:10.1002/ccr3.72316.
5. Yousif MH, Alsammani A, Abdalla MH, Bashie EBM, Mohammed MAY, Fahal AH. Interpretable machine-learning prognosis of mycetoma from routine clinical data. *Trans R Soc Trop Med Hyg*. 2026. In press.
6. Smith DJ, Sow D, Embiale W, Colom MF, Ekai JL, Nyaoke B, et al. The neglected burden of eumycetoma in Africa. *Lancet Reg Health Afr*. 2026;100032. doi:10.1016/j.lanafr.2026.100032.
7. Badri R, Fisher MC, Fahal AH. Paresthesia and facial bone destruction due to chronic granulomatous invasive aspergillosis in the left maxillary sinus. *Clin Case Rep*. 2026;14(4):e72477. doi:10.1002/ccr3.72477.
8. Ebrahim T, Saeed AA, Allam WA, Badi S. Doctors' knowledge, attitudes, and practices in managing dengue fever amid war: A study in three governmental hospitals in Port Sudan, Red Sea State, Sudan. *SAGE Open Med*. 2026;14:20503121251408941.
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10. Hamadouk RM, Albashair ED, Alshareif EM, Saeed AA, Yousef BA. Community pharmacists' history taking practice in responding to acute uncomplicated cystitis: A simulated patient study from Sudan. *PLoS One*. 2026;21(2):e0343006.

11. Altayeb L, Elseddig MK, Saeed A, Munsour EE, Saeed AA, Osman M, et al. Impact of Sudan's armed conflict on pharmacy education and the institutional response amidst the crisis: A cross-sectional survey. *Discover Education*. 2026.
12. Hashim NT, Ahmed A, Abushama AA, Abduljalil SMA, Gismalla BG, Rahman MM. Next generation S3-level clinical practice guidelines in periodontology: Methodology, current evidence, and future directions. *Dent J*. 2026;14(1):58. doi:10.3390/dj14010058.
13. Hashim NT, Babiker R, Rahman MM, Mohammed R, Padmanabhan V, Islam MS, et al. Targeting bacterial infections in periodontal disease: From conventional antibiotics to next-generation therapeutics. *Antibiotics (Basel)*. 2026;15(4). doi:10.3390/antibiotics15040397.
14. Ahmed NO, Zamel AMA, Ahmed SG, Musa SE, Allah MMH, Alshami SM, et al. A multi-state cross-sectional assessment of essential medicine availability in Sudan during armed conflict. *Sci Rep*. 2026;16(1):12301. doi:10.1038/s41598-026-41811-w.
15. Sage EE, Ibrahim SA, Firdaus-Raih M, Samhoon SO, Mohamed AA, Ahmed TM, et al. Structural modeling and docking analysis of canonical and novel resistance-associated missense mutations in Sudanese *Escherichia coli*. *Sci Rep*. 2026.
16. Hassib MA, Garelnabi ME, Ali QM, Alyahyawi AR, Al-Enezi MS, Salih M, et al. Texture analysis improves lung-tissue segmentation on high-resolution computed tomography in COVID-19. *Front Radiol*. 2025;5:1694478.
17. Hamid ME, Joseph MR, Abd Alla AB, El Hassan MM, Joseph M, Abd Alla A, et al. *Streptomyces* spp. in arid and savannah ecosystems: Effects on the inhibition of actinomycetoma pathogens. *Cureus*. 2026;18(1).
18. Sirota SB, Bender RG, Dominguez RM, Vongpradith A, Movo A, Swetschinski LR, et al. Global, regional, and national burden of meningitis, its risk factors, and aetiologies, 1990–2023: A systematic analysis for the Global Burden of Disease Study 2023. *Lancet Neurol*. 2026. doi:10.1016/S1474-4422(26)00101-8.
19. Satti L, Abdelnour H, Alawad S, Gabrallah M, Alshiekh R. Prevalence of stress and neck pain among accountants: A cross-sectional study. *Eur J Med Health Res*. 2026;4(1):156-61. doi:10.59324/ejmhr.2026.4(1).22