SDG 17 - Partnerships for the Goals
Equator University of Science and Technology
Times Higher Education Sustainability Impact Ratings 2026

17.2.3 International collaboration data gathering for SDG

Statement:

The Equator University of Science and Technology (EQUSaT) actively participates in international collaborations aimed at enhancing data gathering, sharing, and monitoring mechanisms to support the achievement of the Sustainable Development Goals (SDGs).

Research

The Equator University of Science and Technology (EQUSaT) has conducted extensive research and data gathering on SDGs in collaboration with international researchers and experts. Some examples from 2024 are given below:

Global Research Collaboration on Nano-Engineered Drug Delivery

Equator University of Science and Technology (EQUSaT) collaborated with researchers from the University of Lahore (Pakistan), Tecnologico de Monterrey (Mexico), University of Zabol (Iran), North Khorasan University of Medical Sciences (Iran), University of Sharjah (UAE), Shoolini University (India), and Yeungnam University (Republic of Korea) on the study **"Nano-engineered Solutions for Ibuprofen Therapy: Unveiling Advanced Co-delivery Strategies and Nanoparticle Systems."** The research advanced innovative approaches to improve drug delivery and therapeutic effectiveness.

Evidence:

https://www.sciencedirect.com/science/article/abs/pii/S1773224724004842

Global Collaboration on Nanogel-Based Drug Delivery Research

Equator University of Science and Technology (EQUSaT) collaborated with national and international partners, including the University of Poonch Rawalakot (Pakistan) and Soochow University (China), on a study titled **"Sodium Alginate-Based Fast Swelling Nanogels for Solubility Enhancement of Chlorthalidone: Synthesis, Characterization, and Biosafety Evaluation."** The research advanced nanogel-based pharmaceutical formulations to enhance drug solubility and safety, demonstrating EQUSaT's commitment to global scientific collaboration and innovation in health sciences.

Evidence:

https://pubmed.ncbi.nlm.nih.gov/39602882/

Collaborative Research on Tuberculosis Treatment Innovation

Equator University of Science and Technology (EQUSaT) contributed to an international study titled **"Responding to Hitch in Fighting Mycobacterium Tuberculosis Through Arginine Multi-Functionalized Mucoadhesive SNEDDS of Rifampicin."** The research involved collaboration among institutions from Pakistan, Saudi Arabia, and the United Kingdom, including the University of Oxford. The study focused on developing advanced nano-formulations to enhance tuberculosis treatment efficacy.

Evidence:

https://pubmed.ncbi.nlm.nih.gov/39319685/

International Research on Rheumatoid Arthritis Therapy

Equator University of Science and Technology (EQUSaT) collaborated with international partners including King Saud University (Saudi Arabia), University of Technology of Compiègne (France), and Ibn Zohr University (Morocco) on a study titled **"Therapeutic Potential of D-Limonene in Rheumatoid Arthritis: Modulation of Inflammatory, Anti-inflammatory Cytokines, and Prostaglandin E2."** The research explored natural compound-based therapeutic approaches for inflammation management, and demonstrating EQUSaT's continued engagement in global, data-driven scientific collaboration.

Evidence:

https://pubmed.ncbi.nlm.nih.gov/39460415/

International Collaboration on Nano-Botanical Oral Hygiene Solutions

Equator University of Science and Technology (EQUSaT) collaborated internationally on a study titled **"Progression in Nano-Botanical Oral Hygiene Solutions: The Dawn of Biomimetic Nanomaterials."** This research involved partnerships with international universities. The study explored the use of biomimetic nanomaterials for innovative oral hygiene applications.

Evidence:

https://www.sciencedirect.com/science/article/pii/S2772417424000918

Some highlights of EQUSaT's international engagements in 2024 that contributed to SDG-related data initiatives are given below:

VODAN Conference

The Equator University of Science and Technology (EQUSaT) participated in the international Virus Outbreak Data Network (VODAN) Conference held in Leiden, Netherlands, to advance dialogue and collaboration on health data governance and FAIR (Findable, Accessible, Interoperable, and Reusable) Data practices. Through its active contribution, the university was selected to champion the FAIR Data initiative in Uganda, strengthening national and regional systems for evidence-based policy, research, and SDG monitoring.

Evidence:

https://equsat.ac.ug/news/equsat-selected-to-champion-fair-data-at-global-vodan-conference

UNESCO Strategic Plan

The Equator University of Science and Technology (EQUSaT) joined stakeholders from government, academia, and international organizations in reviewing the Uganda National Commission for UNESCO's Strategic Plan. The meeting aligned national priorities with international standards on sustainable quality education, culture, science, and communication, demonstrating EQUSaT's contribution to international collaboration on data gathering and best-practice development for the SDGs.

The **United Nations Educational, Scientific and Cultural Organization** (UNESCO) is a specialized UN agency focused on promoting education, science, culture, and communication worldwide.

Evidence:

https://equsat.ac.ug/news/equsat-vice-chancellor-participates-in-review-of-uganda-national-commission-for-unesco-strategic-plan

Collaboration with Sudan International University (SIU)

The Equator University of Science and Technology (EQUSaT) signed a Memorandum of Understanding (MoU) with Sudan International University to support displaced students and academic staff affected by the Sudan civil conflict. The partnership promotes cross-border education, knowledge exchange, and research, reinforcing international cooperation towards SDG 4 (Quality Education) and SDG 10 (Reduced Inequalities).

Evidence:

https://equsat.ac.ug/news/equsat-signs-mou-with-sudan-international-university-to-support-students-affected-by-civil-war