Dr.M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University

★ with Graded Autonomy Status ★

(An ISO 21001 : 2018 Certified Institution)

ACCREDITED WITH GRADE A+ NAAC

2025-26

SDG 14
LIFE BELOW WATER



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SDG 14

LIFE BELOW WATER



Dr. E. Sheeba Percis,
Professor and Joint Registrar
Team Lead-International Rankings

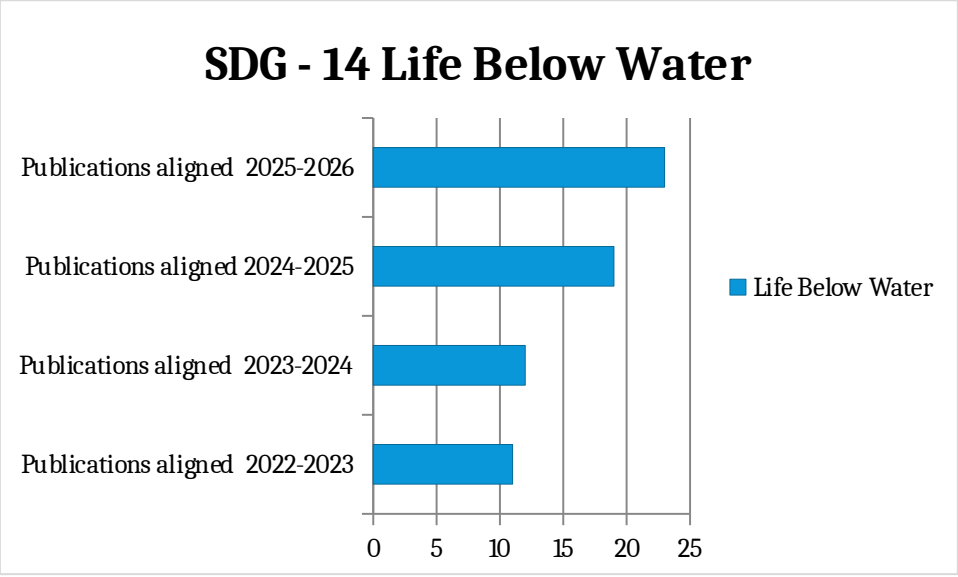
Dr. C. B. Palanivelu
Registrar

UN SDG 14: LIFE BELOW WATER — COMPLIANCE PORTFOLIO

Dr. M.G.R. Educational and Research Institute (Dr. M.G.R. ERI) has systematically integrated **UN Sustainable Development Goal 14: Life Below Water** into its research frameworks, technological innovations, campus infrastructure, and environmental outreach programs.

Research Metrics:

The provided horizontal bar chart maps the institution's research publication footprint aligned with **United Nations Sustainable Development Goal 14 (Life Below Water)** over a consecutive four-year timeline spanning from 2022 to 2026. The data reveals an **exponential, sustained growth in research output**, indicating a deliberate institutional push toward marine, environmental, and aquatic sustainability metrics.



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Research Metrics

- **Consistent Upward Trajectory:** Over the observed 4-year horizon, the absolute volume of publications has **more than doubled**, moving from 11 to 23 publications per cycle (+109.1% overall growth).

- **The 2024-2025 Breakout Flashpoint:**
  The most critical inflection point occurred between the 2023-2024 and 2024-2025 periods, where output jumped by nearly 60%. This indicates a highly successful systemic transformation—likely correlated with institutional targets, increased research grants, or targeted interdisciplinary publication drives.

- **Entrenched Specialization:** Moving into the 2025–2026 window, the team did not plateau but continued to expand production to an all-time high of 23 papers, solidifying Dr. M.G.R. ERI's national and international visibility within the THE (Times Higher Education) Impact Rankings framework.

Technological Innovations & Aquatic Engineering

The university leverages its incubation centers to build engineering solutions for deteriorating local aquatic habitats:

Aquatic Debris Clearance Gadgets: Developed via the **Dr. APJ Abdul Kalam Centre for Innovation and Entrepreneurship**, the university has engineered mechanized, cost-effective devices to extract floating waste and plastic debris from marine and inland water surfaces.

Eutrophication Controls: The innovation center designs custom tools aimed at clearing invasive aquatic weed overgrowths that cause oxygen-depletion (eutrophication), directly protecting local fish populations.

Specialized Environmental Research Facilities

The core of the university's quantitative growth curve in publication data comes from specialized, interdisciplinary hubs:

Satellite Oceanography: Houses dedicated laboratories working on **Remote Sensing and Satellite Oceanography** to map ocean surface temperatures, oil spills, and changing coastal topography.

Hydrology and Resource Management: Conducts multi-departmental research to study how inland water runoffs alter biological diversity in nearby marine regions.

EVIDENCE LINKS
https://www.linkedin.com/company/dr-mgr-ari-naval-and-aerospace-innovation-llp/home/
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https://drmgrdu.ac.in/uploads/Policies/Water_Conservation_Policy.pdf