

SUSTAINABLE DEVELOPMENT GOALS REPORTS

UKM-SERI 2021-2023



Overview

Solar Energy Research Institute (SERI) has demonstrated a steadfast commitment to Sustainable Development Goals (SDGs) through comprehensive activities. Notably, SDG 7 (Affordable and Clean Energy) takes center stage with a significant number of research grants, graduate students, and impactful journal publications.

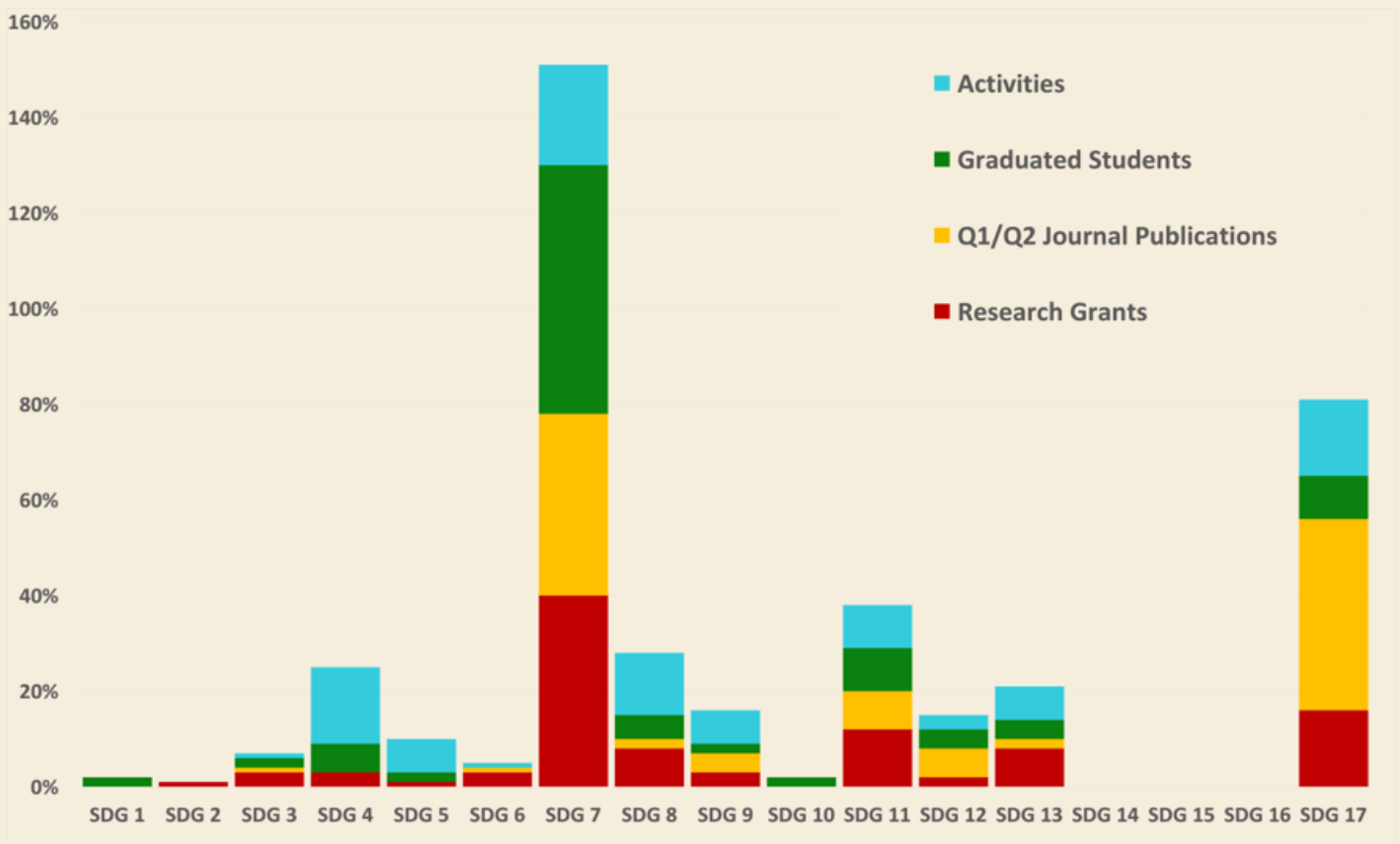
Furthermore, SERI's commendable contributions extend to SDG 17 (Partnerships for the Goals) while also addressing SDGs 4, 8, 9, 11, 12, and 13. This holistic approach underscores SERI's pivotal role in advancing sustainable and clean energy solutions, fostering collaborations, and making substantial strides towards a more sustainable future."



Tracking Data

SDG's Trend

SERI SDG's trends for 2021-2023



Sustainable Development Goals (SDGs) Percentage (%)																	
	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17
Research Grants	0	1	3	3	1	3	40	8	3	0	12	2	8	0	0	0	16
Q1/Q2 Journal Publications	0	0	1	0	0	1	38	2	4	0	8	6	2	0	0	0	40
Graduated Students	2	0	2	6	2	0	52	5	2	2	9	4	4	0	0	0	9
Activities	0	0	1	16	7	1	21	13	7	0	9	3	7	0	0	0	16

Tracking Data

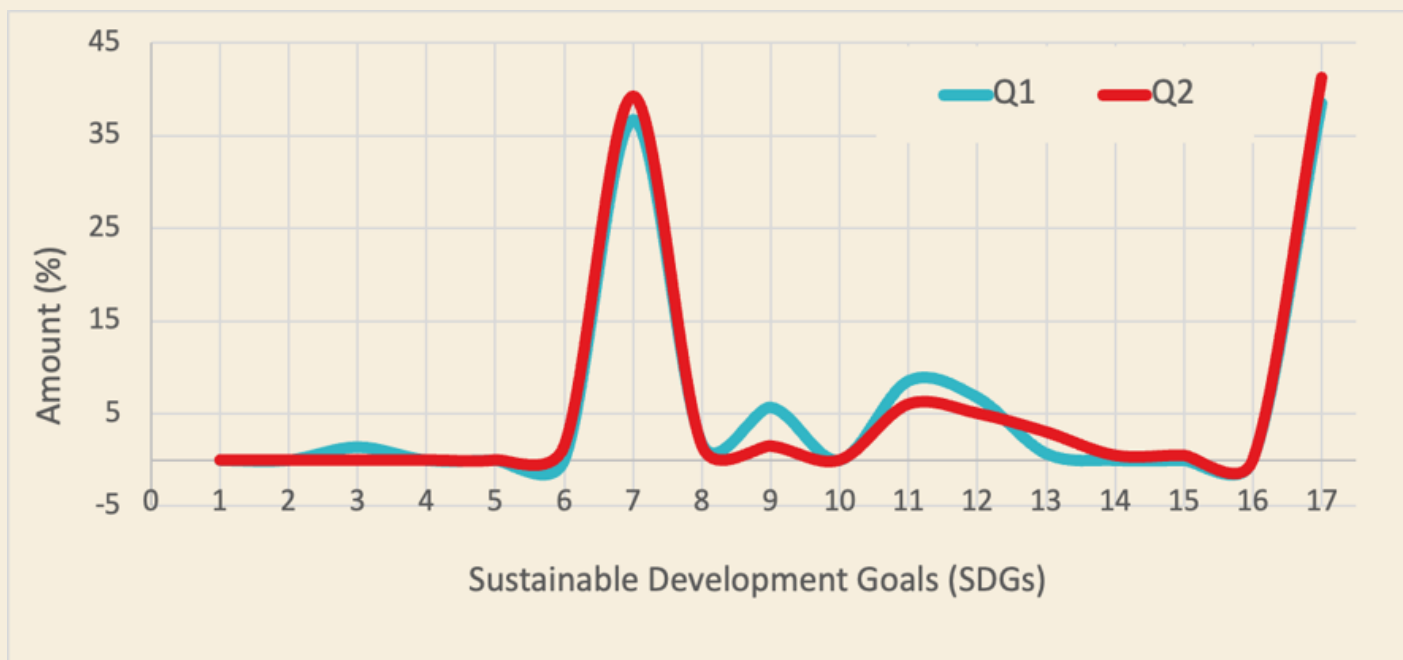
Research Grants

No	Amount (MYR)	Grant Number	Funded By	Active Periods
1	4,125,600	RS-2021-003	Porgram SRF - APP	2021 - 2024
2	1,128,400	LRGS/1/2019/UKM-UKM/6/1	LRGS	2019 - 2023
3	419,700	RS-2020-002	Jabatan Kerja Raya	2020 - 2022
4	405,000	RS-2020-006	Royal Society International Collaboration Award	2020 - 2023
5	291,200	LRGS MRUN/F1/02/2019/05	LRGS	2019 - 2023
6	216,450	FRGS/1/2022/TK08/UKM/02/15	FRGS	2022 - 2025
7	129,000	FRGS/1/2019/TK10/UKM/02/1	FRGS	2019 - 2023
8	126,700	FRGS/1/2023/TK08/UKM/01/2	FRGS	2023 - 2025
9	118,826	RS-2018-003	King Saud Univeristy Grant	2019 - 2021
10	115,457	RS-2020-001	King Abdulaziz University Grant	2020 -2022
11	122,500	MRUN-RAKAN RU-2019-001/1	Program Translational MRUN Rakan RU	2019 - 2022
12	115,000	MRUN-RAKAN RU-2019-001/2	Program Translational MRUN Rakan RU	2019 - 2022
13	115,000	MRUN-RAKAN RU-2019-001/3	Program Translational MRUN Rakan RU	2019 - 2022
14	115,000	MRUN-RAKAN RU-2019-001/4	Program Translational MRUN Rakan RU	2019 - 2022
15	107,862	RS-2022-002	British Council	2022 - 2023
16	107,200	FRGS/1/2019/TK07/UKM/02/4	FRGS	2019 -2022
17	103,000	FRGS/1/2021/STG05/UKM/02/4	FRGS	2021 - 2023
18	102,460	FRGS/1/2022/TK08/UKM/02/29	FRGS	2022 -2024
19	100,000	Inovasi-2022-004	Dana Inovasi	2023 - 2024
20	100,000	DIP-2021-026	Dana Impak Negara	2021 - 2023
21	100,000	DIP-2019-019	Dana Impak Negara	2019 – 2022
22	100,000	DIP-2019-025	Dana Impak Negara	2019 – 2022
23	100,000	DIP-2018-002	Dana Impak Negara	2018 – 2021
24	100,000	DIP-2018-007	Dana Impak Negara	2018 – 2021
25	100,000	DIP-2018-009	Dana Impak Negara	2018 – 2021

"Overview of Research Grants: Among 62 grants, this figure highlights those exceeding RM 100,000, spanning the active period from 2021 to 2023."

Tracking Data

Q1/Q2 Journal Publications



Comparison of Q1 and Q2 journal publications related to SDGs

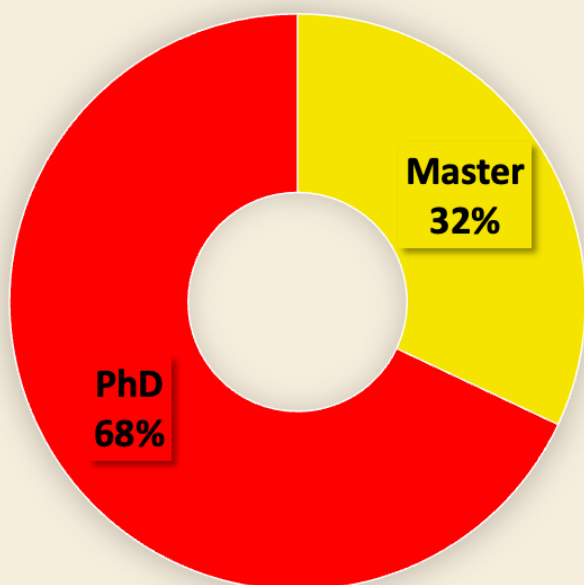
The graph illustrates a compelling comparison between Q1 and Q2 journal publications focusing on Sustainable Development Goals (SDGs). Notably, both sets of publications exhibit a prominent concentration on SDG 7 (Affordable and Clean Energy) and SDG 17 (Partnerships for the Goals), signifying a shared emphasis on fostering sustainable and clean energy solutions and building collaborative partnerships.

The emphasis on SDG 7 is particularly pronounced, indicating a strong dedication of our institute, Solar Energy Research Institute (SERI) to advancing affordable and clean energy solutions. This aligns with a robust commitment to driving positive change in the global energy landscape. Simultaneously, the emphasis on SDG 17 suggests a concerted effort to establish partnerships and collaborations, underscoring the recognition of collective action in achieving sustainable development.

Tracking Data

Graduate Students

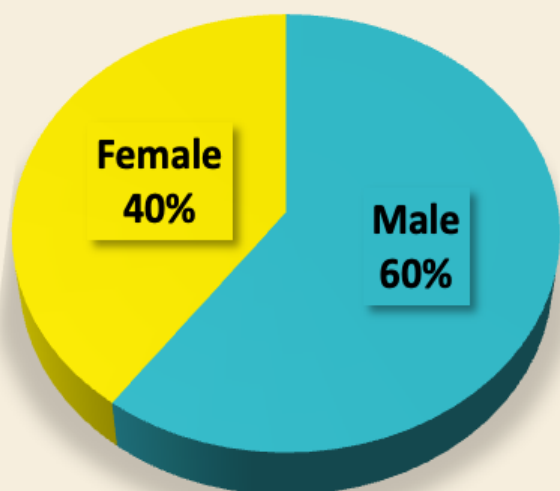
PhD and Master Graduates Distribution



From 2021 to 2023, the Solar Energy Research Institute (SERI) achieved a robust distribution of graduates, with 68% earning Ph.D. degrees and 32% completing Master's programs.

This aligns with UN Sustainable Development Goal 4 (Quality Education), showcasing the institute's dedication to providing advanced education and fostering expertise in solar energy research, contributing significantly to the pursuit of quality education and research excellence.

Gender-Inclusive Graduate Students

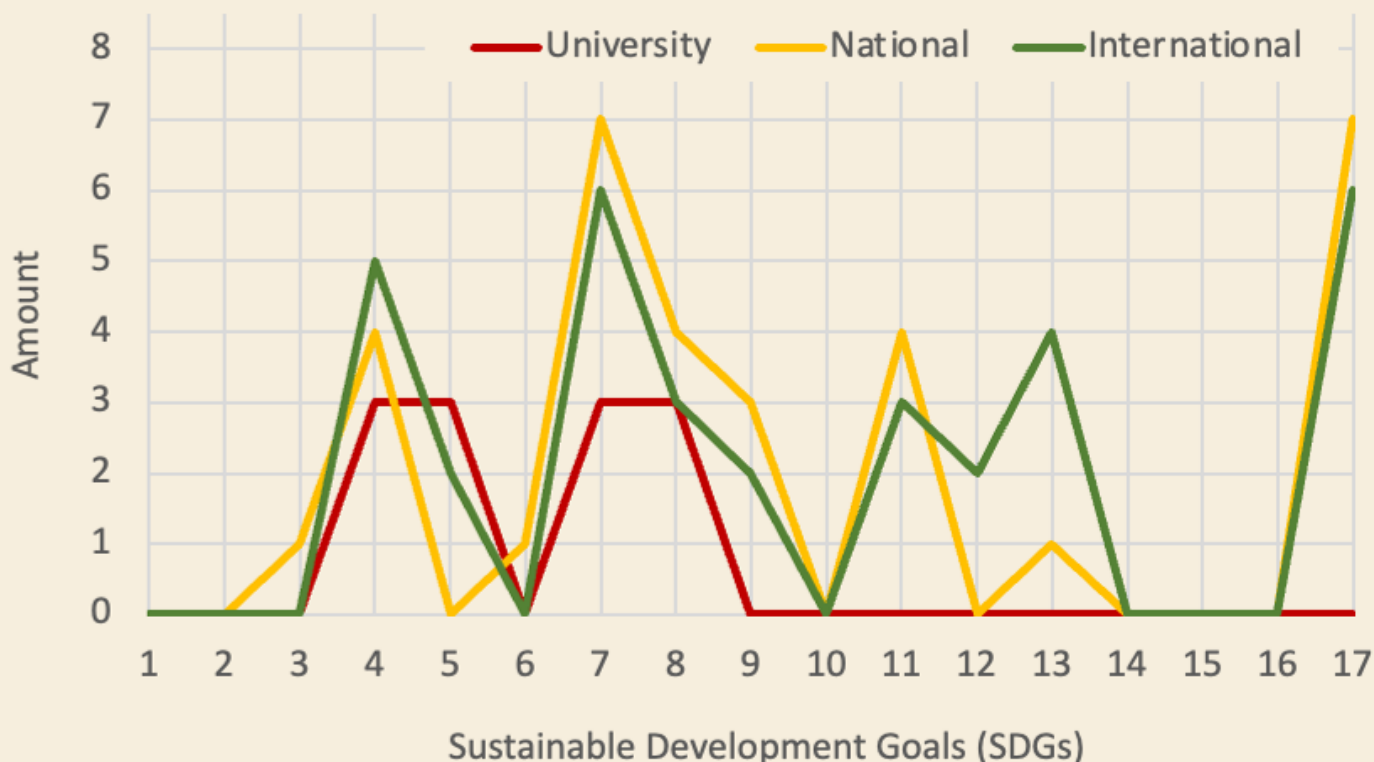


In the years 2021-2023, the Solar Energy Research Institute (SERI) demonstrated a commitment to gender equality in graduate education, with 60% male and 40% female graduates.

This gender-inclusive distribution aligns with UN Sustainable Development Goal 5 (Gender Equality), reflecting the institute's dedication to fostering an environment where both men and women actively contribute to advancements in solar energy research, promoting diversity and equality within the academic sphere.

Tracking Data

Activities



The Solar Energy Research Institute (SERI) is actively involved in diverse activities across university, national, and international domains, aligning with United Nations SDGs. At the university level, SERI prioritizes education and research, making significant contributions to SDG 4 (Quality Education) and SDG 7 (Affordable and Clean Energy). Emphasizing gender equality (SDG 5), SERI ensures the involvement of both male and female participants, complemented by efforts toward economic growth (SDG 8).

Nationally and internationally, SERI addresses SDG 7 by advancing sustainable energy solutions and promotes collaborative efforts (SDG 17). Furthermore, SERI intersects with SDG 13 (Climate Action), actively implementing solutions to mitigate climate change through the promotion of clean and renewable energy sources. These concerted efforts position SERI as a key player in advancing multiple SDGs on various scales.

Summary

Solar Energy Research Institute (SERI) has demonstrated a steadfast commitment to Sustainable Development Goals (SDGs) through comprehensive activities. Notably, SDG 7 (Affordable and Clean Energy) takes center stage with a significant number of research grants, graduate students, and impactful journal publications.

Furthermore, SERI's commendable contributions extend to SDG 17 (Partnerships for the Goals) while also addressing SDGs 4, 8, 9, 11, 12, and 13. This holistic approach underscores SERI's pivotal role in advancing sustainable and clean energy solutions, fostering collaborations, and making substantial strides towards a more sustainable future."

