

## Collaboration for SDG Best Practice

Manipal University Jaipur transcends national boundaries by promoting international partnerships and research projects focused on evaluating comparative methodologies and establishing best practices.

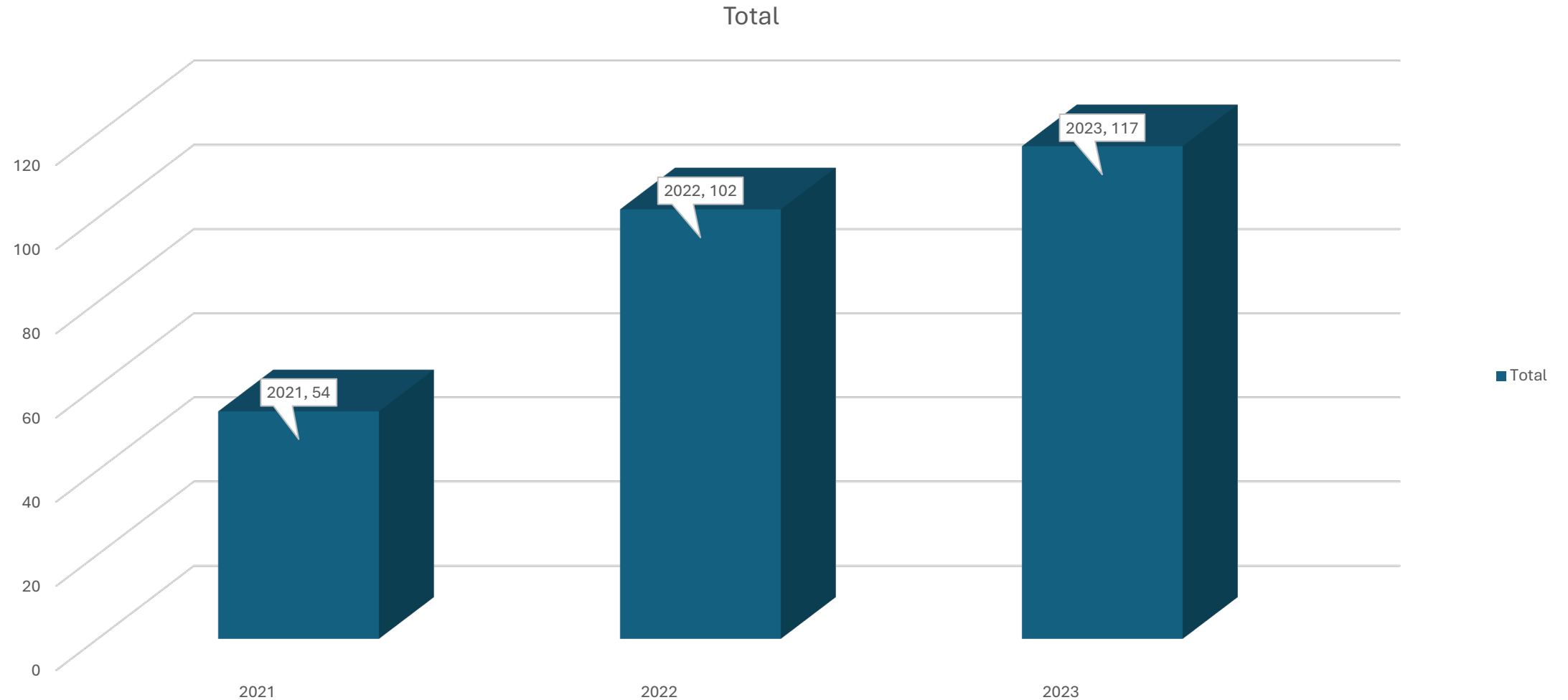
International collaborations led by Manipal University Jaipur encompass extensive research initiatives that analyze the policies, interventions, and practices implemented worldwide to address the Sustainable Development Goals (SDGs). Through comparative studies, the effectiveness of various strategies is assessed, illuminating successful methodologies while identifying opportunities for enhancement. This thorough examination enables Manipal University Jaipur to pinpoint international best practices that can be adopted and tailored to different contexts. These collaborative endeavors facilitate the sharing of knowledge and experiences among a variety of nations. Manipal University Jaipur acts as a platform for disseminating success stories, lessons learned, and challenges encountered in the quest for SDGs. Such exchanges cultivate a vibrant environment for the cross-fertilization of ideas and solutions, resulting in the development of innovative strategies that can be applied globally. The collective insights gained from comparative analysis form the foundation for establishing international best practices. By integrating successful strategies and innovative methodologies from diverse regions, Manipal University Jaipur plays a vital role in crafting comprehensive strategies that transcend geographical boundaries.

The variety of approaches observed among nations creates a rich environment for generating new ideas and adaptive practices. This ongoing process of innovation and adaptation is essential for refining and evolving strategies to effectively address the dynamic challenges associated with the SDGs. The insights gained from comparative analysis and the establishment of international best practices significantly influence the global efforts toward achieving the SDGs. Policymakers, governments, NGOs, and international organizations leverage this collective knowledge to inform their interventions and policies.

# International/National Collaboration

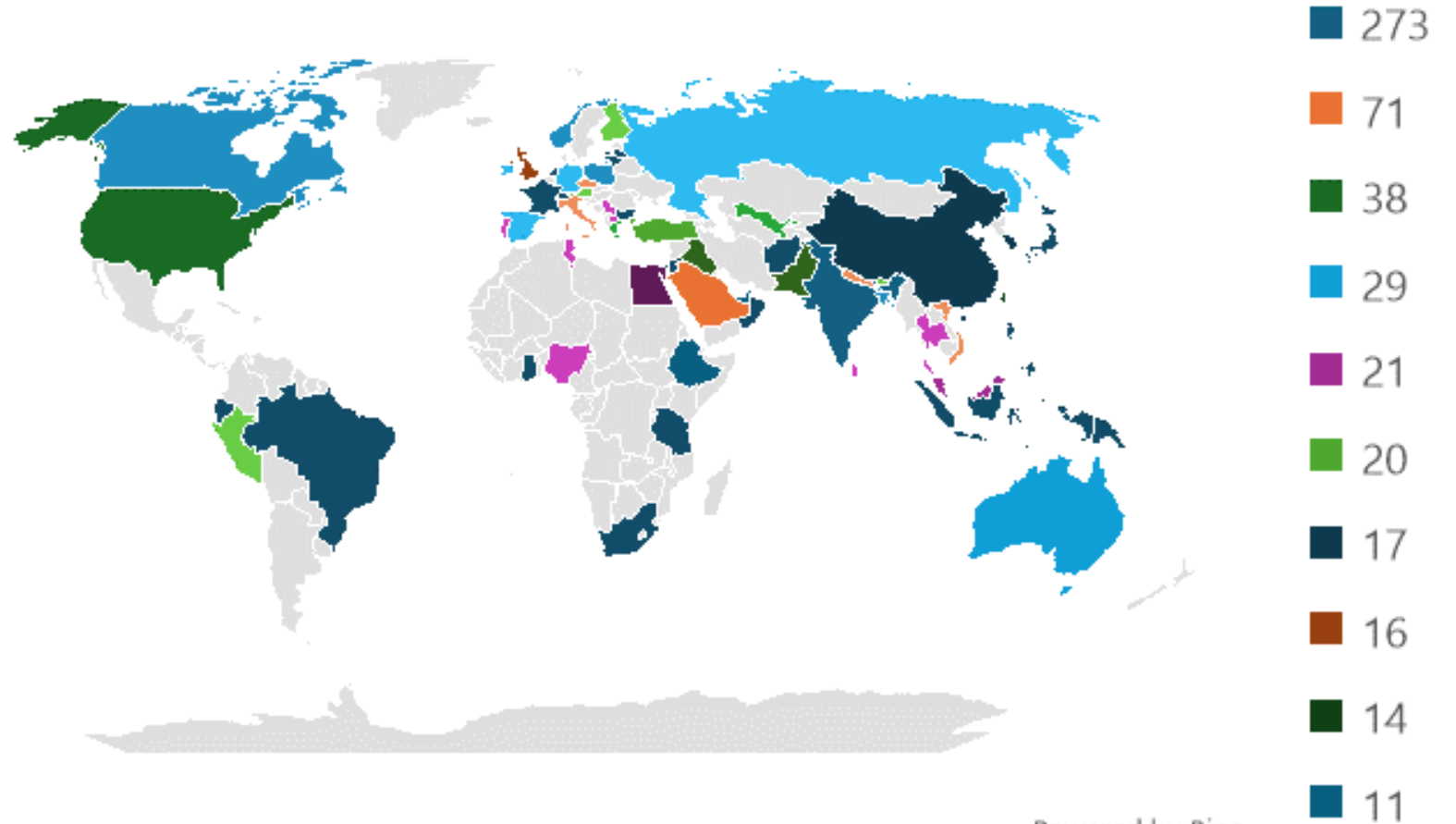


# Measure of International collaboration for Research focuses on Sustainability



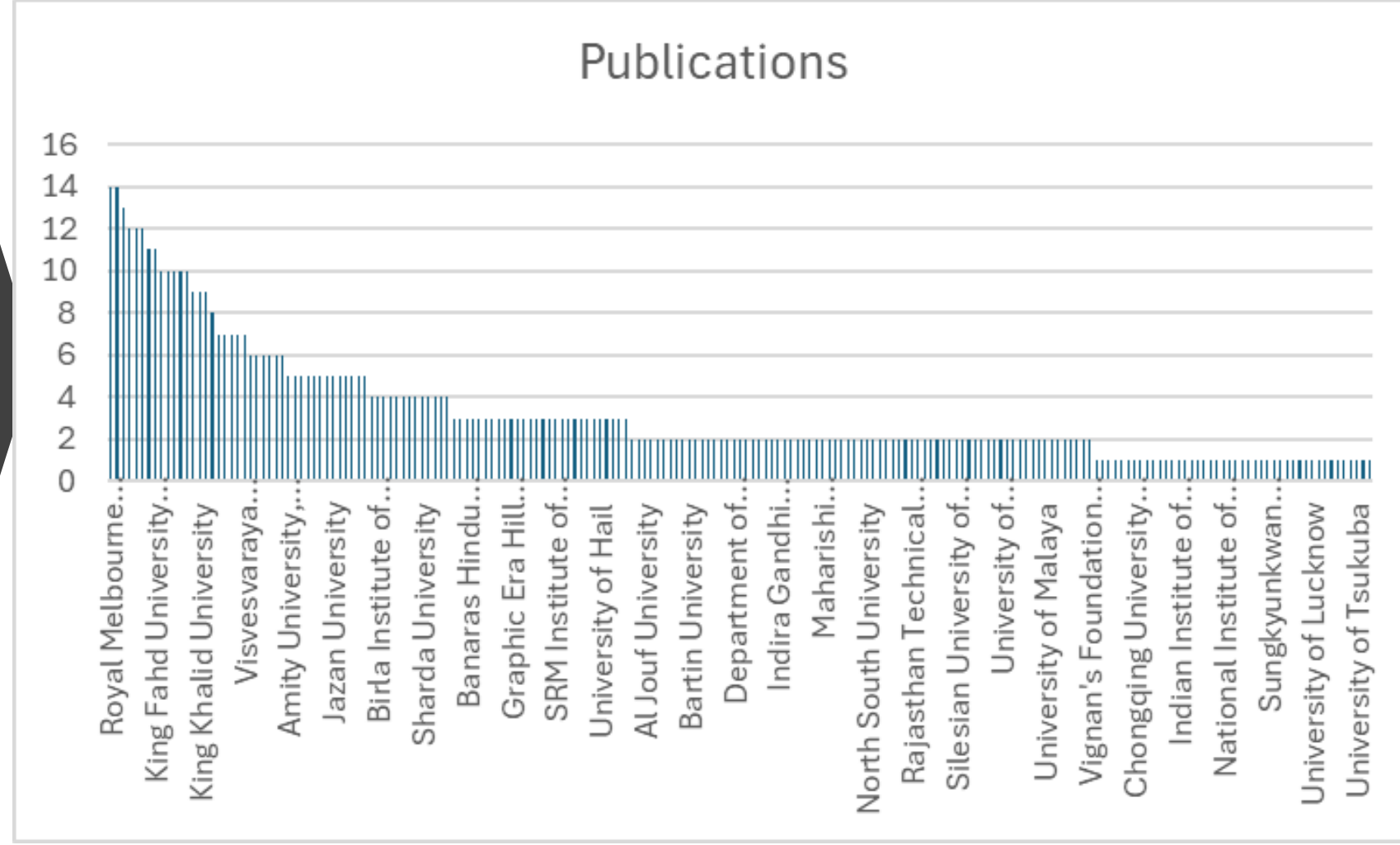
## International research collaboration in 2023

Measure of International collaboration for Research focuses on Sustainability



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Measure of International collaboration for Research focuses on Sustainability



# Research Projects

Sr. No	Name of Project	Name of Govt. Agency	Name of MUJ faculty	Aligned SDG
1	Commercial Utilization Of End-of-life Tyres To Produce High Value Chemicals And Fuel Using Integrated Technology	Department Of Science & Technology (DST), Government Of India	Dr. Anees Ahmed Yunus Khan	SDG-7
2	Providing Low Cost Solution And Appropriate Management Framework For The Reject Disposal Of Community-based Ro Plants In Many Areas Of Rajasthan	Department Of Science & Technology (DST), Government Of India	Dr Monika Sogani	SDG-6&13
3	Cinema Main Bhartiya	Indian Council Of Social Science Research (ICSSR)	Dr Amit Sharma	SDG-11
4	Development And Utilization Of High Value Products From Waste Resources: Circular	Department Of Science & Technology (DST), Government Of India	Dr Rohit Jain	SDG-12
5	Sequential Adsorption Of Mixture Of Dyes In A Multibed Adsorption System Using A Low-cost Adsorbent	SERB Power Grant		SDG13
6	Computational Study Of Nanoalloy Clusters For Potential Applications In Energy Sector	Science And Engineering Research Board (SERB)	Dr Prabhat Ranjan	SDG-7
7	Hybrid Irrigation System For Smart Agriculture Using Iot	Unnat Bharat Abhiyan Centre For Rural Development And Technology IIT Delhi	Dr Devershi Pallavi Bhatt	SDG-9
8	In Silico Identification, Design And Evaluation Of Small Molecule Inhibitors Against Nicotinamidase (Pnca) And Nicotinate Phosphoribosyltransferase (Pncb) From Methicillin Resistant Staphylococcus Aur	Indian Council Of Medical Research ,New Delhi	Dr Sandeep Kumar Srivastava	SDG-12, SDG 9 & SDG 13

Sr. No	Name Of Project	Name Of Private Agency/ Industries	Name Of MUJ Faculty	Aligned SDG
1	Biofabrication And Performance Evaluation Of Sustainable Biocomposites	Quantaplast Polymer Pvt Ltd	Dr Subrata Bandhu Ghosh	Sdg-11 & Sdg 12
2	New Products From Pomegranate	Rham Food And Processors (Opc) Private Limited	Dr Mousumi Debnath	SDG-12
3	Harnessing The Potential Of Polyhydroxyalkanoates (Pha) From Rhodopseudomonas Palustris As Sustainable Resource For Production Of Bioplastics	Royal Institution Mcgill University	Dr Monika Sogani	Sdg-7 & Sdg 13
4	Development Of Flexible Sensors	Chipsor Labs Private Limited	Dr Sanchita B Ghosh	Sdg-7 & Sdg 12

Name of the organisation with whom MoU is signed (MoU is Existing or MoU is new)	Nature of MoU (Industry/Academic)	National/International
IAESTE	Academic	International
Ranka Public Charitable Trust	Academic	National
Ranka Public Charitable Trust	Academic	National
Semi Conductor Laboratory, Department of Space	Academic	National
Good Host Spaces Pvt. Ltd.	Industry	National
Mercury Communication Design PVT LTD	Industry	National
University of Florida	Academic	International
Tripura University Agartala	Academic	National
CSIRO-Commonwealth Scientific Industrial Research organization	Academic	International
Sothern Federal University Russia	Academic	International
National Law College Nepal	Academic	International
NIT Warangal	Academic	National
M. Nalbandan State University of Shirak Foundation	Academic	International



Name of the organisation with whom MoU is signed (MoU is Existing or MoU is new)	Nature of MoU (Industry/Academic)	National/International
A. Mridul, Architect, Jodhpur	Industry	National
Dronah	Industry	National
Konkan Bamboo & Cane Development Centre (KonBAC)	Industry	National
Bio Forensic Research Centre Italy	Academic	International
HTMi Hotel & Tourism Management Institute, Switzerland	Academic	International
International University of Business Agriculture and Technology, Bangladesh	Academic	International
University of Wales Trinity Saint David (UWTSD), Wales	Academic	International
Cyberops	Industry	National
Mahatma Gandhi Medical College and Hospital, Mahatma Gandhi University of Medical Sciences, RIICO Institutional Area, Tonk Road	Academic	National
RVS Chennai Padmavathy School of Architecture, Chennai, Tamilnadu	Academic	National
University of KwaZulu-Natal, South Africa	Academic	International
Inforsuccess 3D Existing	Industry	International
Rajasthan Studio	Industry	National
Mahila Housing SEWA Trust, Ahmedabad	Industry	National
University of Calabria	Academic	International
Quess Corp. Limited	Industry	National
ISDC	Industry	International
ACCA	Industry	International

Name of the organisation with whom MoU is signed (MoU is Existing or MoU is new)	Nature of MoU (Industry/Academic)	National/International
Vision Automation Solutions	Industry	national
King Mongkut's University of Technology North Bangkok	Academic	International
Institute of Nano Science and Technology, Mohali	Academic	National
SUNWAY UNIVERSITY MALAYSIA	Academic	International
Jorge Basadre Grohmann National University, Peru	Academic	International
SmarDen	Industry	national
Nelson Mandela African Institution of Science and Technology (NM-AIST), Tanzania	Academic	International
CTU Prague	Academic	International
Floodkon LLP Noida	Industry	National
Truechip Solutions	Industry	National
CESI France	Academic	International
IIT Guwahati	Academic	National
Indian Society for Training & Development(ISTD)	Industry	National
The Board of Trustees for Illinois State University	Academic	International
The Design Classes (TDC)	Industry	National

Name of the organisation with whom MoU is signed (MoU is Existing or MoU is new)	Nature of MoU (Industry/Academic)	National/International
Celebal Techonology provate Technology	Industry	National
Kalvium	Industry	National
Regional Centre for Biotechnology	Industry	National
Rajiv Gandhi Centre of Advanced Technology (R-CAT)	Industry	National
Indian Institute of Arbitration & Mediation, India	Industry	National
CNR-NANOTEC	Industry	International
Village Square (New MoU)	Industry	National
Istituto Marangoni	Academic	International
University St Kliment Ohridski Bitola	Academic	International
Mahindra&Mahindra	Industry	National
Universitatea Titu Maiorescu	Academic	International
Bhargava Psychiatric Hospital	Industry	National
Oracle Academy	Industry	National
Northstar Edtech Pvt. Ltd.	Industry	International
Grasim Industries Ltd.	Industry	National
Strathclyde University	Academic	International
CIPET	Industry	National
Indian Chemical Council	Industry	National
einfochips	Industry	National

<b>Name of the organisation with whom MoU is signed (MoU is Existing or MoU is new)</b>	<b>Nature of MoU (Industry/Academic)</b>	<b>National/International</b>
Intel	Industry	National
Altair	Industry	National
Hafele India Private Limited	Industry	National
GROHE	Industry	International



Research  
Collaboration from the  
year 2021-2023

# Research metric details for SDG 17: Partnerships for the Goals

401–600

SDG Rank (THE)

67.5–75.3

SDG Score (THE) ⓘ



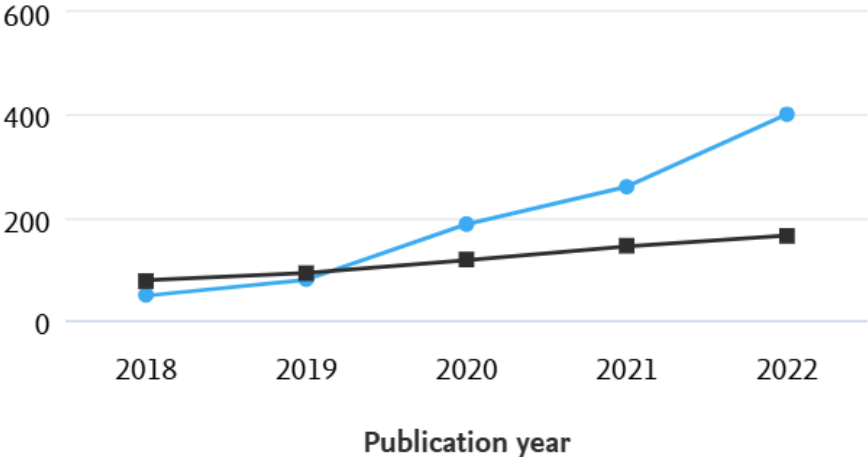
Research metric ⓘ	Weight (%)	Value	Metric rank percentile ⓘ
Scholarly Output (THE)	13.55%	975	63rd
Co-authorship with Low or Lower-middle Income Countries (THE)	13.55%	0.041	26th

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# Research metric details for SDG 17: Partnerships for the Goals

## Scholarly Output (THE)

[+ Add to Reporting](#)



975

The number of publications at the university related to SDG 17

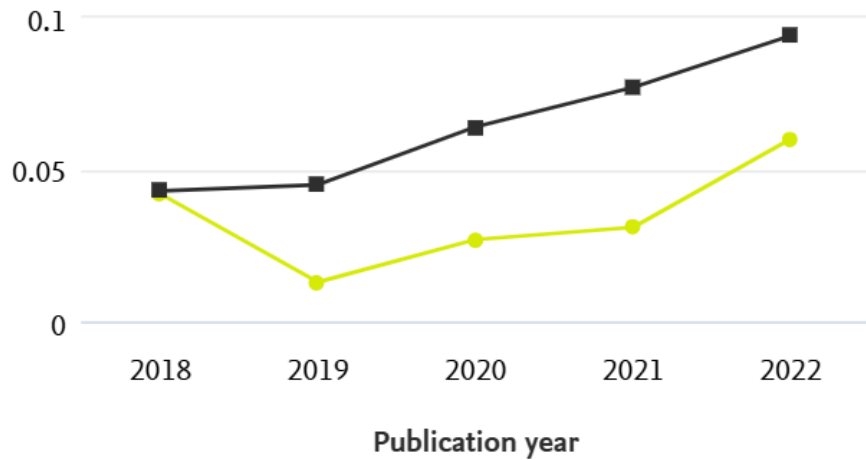
[View list of publications](#)

Metric name	2018	2019	2020	2021	2022
● Publications	48	79	187	260	401
■ Median	78	92	117	144	165

# Research metric details for SDG 17: Partnerships for the Goals

## Co-authorship with Low or Lower-middle Income Countries (THE)

[+ Add to Reporting](#)



**0.041**

The ratio of the university's Scholarly Output where one or more co-author is associated with a university that is based in a low or lower-middle income country

[View list of publications](#)

Metric name	2018	2019	2020	2021	2022
● Co-authorship ratio	0.042	0.013	0.027	0.031	0.060
■ Median	0.043	0.045	0.064	0.077	0.094



## Geographical Collaboration ⓘ

[Metric guidance](#)[↓ Your Analysis](#)[Save changes](#)[+ Add to Reporting](#)[Export ▾](#)

International, national and institutional collaboration by Manipal University Jaipur in the selected year range.



Metric		Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact
International collaboration	23.5%	815	8,611	10.6	1.50
Only national collaboration	44.5%	1,543	8,605	5.6	1.14
Only institutional collaboration	29.7%	1,032	3,919	3.8	0.94
Single authorship (no collaboration)	2.3%	81	423	5.2	1.05

## Overall

[Metric guidance](#) [+ Add to Reporting](#) [Export](#) ▾

Collaboration of Manipal University Jaipur with different sectors in the selected year range.

Academic-corporate  Academic-government  Academic-medical  Academic-other  Academic only



Metric		Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact
Academic-corporate collaboration	0.8%	28	155	5.5	0.74
No academic-corporate collaboration	99.2%	3,443	21,403	6.2	1.17

## Overall

[Metric guidance](#) [+ Add to Reporting](#) [Export](#) ▾

Collaboration of Manipal University Jaipur with different sectors in the selected year range.

Academic-corporate  Academic-government  Academic-medical  Academic-other  Academic only



Metric		Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact
Academic-government collaboration	4.3%	149	1,419	9.5	1.23
No academic-government collaboration	95.7%	3,322	20,139	6.1	0.00

## Overall

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Collaboration of Manipal University Jaipur with different sectors in the selected year range.

Academic-corporate  Academic-government  Academic-medical  Academic-other  Academic only



Metric	Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact	
■ Academic-medical collaboration	0.4%	13	37	2.8	0.35
■ No academic-medical collaboration	99.6%	3,458	21,521	6.2	0.00

## Overall

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Collaboration of Manipal University Jaipur with different sectors in the selected year range.

Academic-corporate  Academic-government  Academic-medical  Academic-other  Academic only



Metric	Scholarly Output	Citations	Citations per Publication	Field-Weighted Citation Impact	
■ Academic-other collaboration	0.2%	7	76	10.9	1.50
■ No academic-other collaboration	99.8%	3,464	21,482	6.2	0.00

## Yearly breakdown

Collaboration of Manipal University Jaipur with different sectors over time.

Type of collaboration	2021	2022	2023	Overall
■ Academic-corporate collaboration	5	12	11	28
■ ♦ Academic-government collaboration	46	48	55	149
■ ▲ Academic-medical collaboration	3	4	6	13
■ ▼ Academic-other collaboration	2	3	2	7
■ ● Academic only collaboration	748	1,118	1,338	3,204
Total	801	1,181	1,408	3,390