



**O.P. JINDAL GLOBAL**  
INSTITUTION OF EMINENCE DEEMED TO BE  
**UNIVERSITY**  
A Private University Promoting Public Service



*Celebrating the Quindecennial of  
Institution Building for Nation Building*



*Prepared by*

**OFFICE OF SUSTAINABILITY  
O.P. JINDAL GLOBAL UNIVERSITY**

A hand holding a small green seedling with soil, symbolizing growth and future.

## JGU'S MISSION

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Building the Future  
of India and the  
World.



# JGU'S VISION

An aerial photograph of a large university campus. In the center, a tall flagpole flies the Indian national flag. The campus is lush with green trees and lawns. In the background, several modern university buildings are visible under a cloudy sky. A red brick path leads towards the flagpole. In the foreground, there are more trees and a small sign that reads 'SPEED LIMIT 20 KMPH'.

A World-Class  
University Creating  
Global Leaders.



**I**mpact



**D**iversity



**E**xcellence



**A**cademic Freedom



**S**ustainability



## CORE VALUES OF JGU





**NET ZERO**  
BY 2035



**500+**  
COURSES ON  
THE SDGs



**2223**  
RESEARCH  
PUBLICATIONS  
ON THE SDGs



**813.5**  
Mwh  
RENEWABLE ENERGY  
GENERATION



**2850**  
KLD  
TOTAL SEWAGE  
TREATMENT PLANT  
CAPACITY



**63%**  
GREEN COVER  
ON THE CAMPUS

# TABLE *of* CONTENTS

<b>1</b>	<b>Background</b>	<b>11</b>
1.1	Thinking Globally, Acting Locally: The SDGs	12
1.2	Role of Higher Education Institutions in Achieving the SDGs	13
<b>2</b>	<b>A Year in Review</b>	<b>14</b>
2.1	Key Institutional Highlights	15
2.2	Faculty and Student-led Initiatives & Engagement	19
<b>3</b>	<b>Research on the SDGs</b>	<b>25</b>
3.1	Research Overview	26
3.2	Tracking Research Progress on the SDGs	27
3.3	Research Funding for the SDGs	32
3.4	Institutional Outputs: SDGs under JGU's Research Centres	36
3.5	Leading Sustainability Researchers	45





## **4 Teaching & Learning 52**

---

4.1 Degree Programmes in Sustainability 53

---

4.2 University-wide Courses on the SDGs 55

---

## **5 Campus Features & Facilities 57**

---

5.1 Preserving Open Spaces 58

---

5.2 Water 59

---

5.3 Energy 61

---

5.4 Waste 62

---

## **6 Healthcare & Accessibility 64**

---

6.1 Health & Well-being 65

---

6.2 Accessibility 67

---

## **7 The Road Ahead 68**

---

7.1 Key Priorities for the Next Year 69

---

7.2 Climate Action Plan 70

---

7.3 Governance & Assessment 72

---

7.4 The Way Forward 73

---





## CHANCELLOR'S MESSAGE

### MR. NAVEEN JINDAL

Chancellor, O.P. Jindal Global University

The seeds of sustainability are best sown in the fertile grounds of higher educational institutions, for these institutions are meeting grounds for different generations of people with diverse perspectives. They also offer a shared space for nurturing excellence and fostering innovation to address the most pressing challenges that the world faces today. I consider the establishment of O.P. Jindal Global University (JGU) in 2009, a momentous occasion in my life as a tribute to my father, Shri O.P. Jindal, who was my inspiration. As a university, JGU is not only adopting the best national and international practices to contribute towards the achievement of the Sustainable Development Goals (SDGs), but it is also preparing our present generation to care for sustainability so that our future generations do not have to suffer.

The JGU Sustainable Development Report 2024 adequately highlights the efforts of the university in this regard. It outlines the numerous activities and initiatives undertaken during April 2023-March 2024, with a commitment to fast-tracking the SDG projects that have been initiated. I firmly believe that this report will inspire people from around the world to commit themselves to the cause of sustainability.

## PROLOGUE FROM THE VICE CHANCELLOR

### PROFESSOR (DR.) C.RAJ KUMAR

Vice Chancellor, O.P. Jindal Global University



I believe that there is no alternative to sustainability. With this belief and realisation that we incorporated sustainability as one of the core values that guide the governance of O.P. Jindal Global University (JGU). This transformative decision is aimed at enhancing the already formidable efforts of the university to implement the 17 Sustainable Development Goals (SDGs) within the JGU campus, so that the world we live in becomes a better place. In recognition of our responsibility to ensure that the future decision-makers work towards inclusivity, JGU is incorporating SDGs into all its existing and new courses and programmes across all the schools, centres and institutes of the university.

As we celebrate the 15th anniversary of JGU this year, I am immensely grateful to all the stakeholders who have worked tirelessly towards the growth and development of this world-class university. I am particularly indebted to our benefactor and Founding Chancellor, Mr. Naveen Jindal, for inspiring us to tread the path of sustainability with his exemplary leadership and work for the welfare of the people of India and our home planet. I am also confident that with the contribution of the faculty, students and staff of JGU and the support of our partners from around the world, we can substantially increase the contribution of higher educational institutions towards the attainment of the SDGs.





## PREFACE FROM THE REGISTRAR

**PROFESSOR DABIRU SRIDHAR PATNAIK**

Registrar, O.P. Jindal Global University

The Sustainable Development Report 2024 underlines O.P. Jindal Global University's unwavering commitment to implementing the Sustainable Development Goals (SDGs). Be it in areas of energy conservation, reduction in carbon footprint, community empowerment, promotion of gender equality, providing decent work, or increasing well-being, the efforts of the university in all areas of teaching and learning, community engagement, research, and governance and administration are aligned with the goal of maximising our contributions towards planetary well-being.

It also presents a roadmap of the responsibilities that JGU will bear as it embarks on a journey of fulfilling the aspirations for providing world-class education to the youth. This report highlights our resolve to leave no stone unturned in our aim to create social impact, advance economic welfare, and protect the environment. I congratulate the Office of Sustainability at JGU, led by Professor Padmanabha Ramanujam, Dean of Academic Governance for this pathbreaking initiative.

## FOREWORD *of the* DEAN OF ACADEMIC GOVERNANCE

**PROFESSOR PADMANABHA RAMANUJAM**

Dean, Academic Governance  
O.P. Jindal Global University



In nurturing inquisitive minds, fostering partnerships for research and innovation, and churning out a path of progress for all, the common thread that binds all of O.P. Jindal Global University's (JGU's) activities is sewn into the fabric of sustainability. On the Sustainable Development Goals (SDGs) alone, JGU's researchers have contributed to 2,223 publications so far. The JGU Sustainable Development Report 2024 highlights these important achievements.

The major steps that JGU has undertaken in the past year towards promoting sustainability include measuring and managing greenhouse gas (GHG) emissions, deploying The Assessment of Sustainability Knowledge (or TASK), and investing in interdisciplinary research, energy conservation, and wastewater treatment, among others.

Significantly, JGU also organised 'The G20 Universities Impact Summit: Implementing SDGs and Beyond' in August 2023 in New Delhi in collaboration with the Association of Indian Universities, the Times Higher Education of the United Kingdom, and the Jindal Global Centre for G20 Studies.

These snapshots of the wide-ranging efforts of JGU only point to the strong determination of the administration to continue working towards building a world that would be far better than the one we are living in today.

# INTRODUCTION TO THE SUSTAINABLE DEVELOPMENT REPORT

The 2030 Agenda has parallels with JGU's own foundations. One of the three constituents of JGU's Strategic Vision 2029 is sustaining our public service mission. JGU has also defined 5 pillars for achieving institutional excellence which can serve as a blueprint for the implementation of sustainability. Two of the pillars are directly aligned with the UN's core principles underpinning the agenda: enabling inclusive and sustainable institutional growth, and expanding opportunities for public service.

As a multi-disciplinary and research-oriented university, JGU's mission is harmoniously attuned to the needs of implementing the 17 SDGs. From responding to the global challenges through relevant interdisciplinary curriculum and cutting-edge research, adopting sustainable solutions for campus infrastructure, following policies to promote gender equality, non-discrimination & safety at work, establishing attractive conditions to ensure decent work for all to empowering local communities and forging partnerships with global organisations, JGU has integrated all the social, economic and environmental perspectives of the SDGs in its functioning.

These path-breaking initiatives of JGU have paved the way for it to become a role model for implementation of SDGs by higher educational institutions in India. JGU is working on a mission mode to help its students, scholars as well as individuals and organisations outside JGU to acquire the critical skills required for successful implementation of the SDGs.

Some of the major initiatives that JGU has undertaken during April 2023-March 2024 include the incorporation of the GHG Protocol Corporate Accounting and Reporting Standard for measuring and managing greenhouse gas (GHG) emissions, introduction of Sustainability Literacy Test for students and employees, acquisition of new tools and establishment of training programmes for boosting research on SDGs and incorporation of SDGs in all core and elective courses.

Other major steps that JGU is taking to fast-track the implementation of the SDGs include promotion of eco-friendly transportation through electric vehicles and charging infrastructure, LEED (Leadership in Energy and Environmental Design) certification for buildings and reduction of carbon footprint, among others.

The Sustainable Development Report 2024 offers a complete overview of JGU's past year's efforts towards making the world a better place to live in.







**BACKGROUND**

# THINKING GLOBALLY, ACTING LOCALLY

## THE SDGs

In common parlance, the concept of sustainability often gets narrowly associated primarily with measures aimed at restoring environmental health. But the 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, encompasses social and economic sustainability as well, in addition to environmental sustainability. By integrating these three broad perspectives into the 17 SDGs, the world leaders agreed to work towards making the Earth a better place to live in for everyone by 2030. Unfortunately, the progress towards achieving the SDGs in the mid-point of 2030 has been far less than promising.

While the world leaders adopted the 2030 Agenda with the goal of leaving no one behind, the Sustainable Development Goals Report 2023 showed that almost half the world was lagging behind. “Progress on more than 50 per cent of targets of the SDGs is weak and insufficient; on 30 percent, it has stalled or gone into reverse. These include key targets on poverty, hunger and climate,” the report said.

Hit by persistent inflations, unfavourable interest rates and heightened uncertainties, the outlook on the global economy is far from bright, an indicator that does not augur well for achieving the goal of decent work and economic growth. Faced with the triple crisis of climate change, pollution and biodiversity loss, the improvements in the uptake of natural capital and reduction in deforestation have also been modest, underlining the need for ramping up efforts to root out the causes of these interconnected crises. Rise in geopolitical tensions and debilitating effects of the growth in external debts of developing countries have posed obstacles in the path of fostering partnerships for the SDGs.

The Sustainable Development Goals Report 2023 pointed out that the medium-high- and high-technology industries demonstrated robust growth rates in the midst of global manufacturing growth slowdown.

Overall, as the UN Secretary-General, António Guterres, pointed out in his remarks at the 2023 High-Level Political Forum (HLPF) on Sustainable Development, “only 15 percent of the targets are on track, with many going into reverse.” And as is the case with most global challenges, the lack of progress in achieving the SDGs is hurting the poor and the vulnerable the most.





# ROLE OF HIGHER EDUCATION INSTITUTIONS IN ACHIEVING THE SDGs

With barely six years remaining to achieve the SDGs and the distance that the world needs to cover in these years appearing to be long and arduous, the role of higher education institutions (HEIs) has become crucial in clearing the path for implementing the goals across the world. The HEIs are uniquely positioned to augment the efforts of the world in addressing each of the challenges that nations face in their efforts to implement the SDGs. There are four broad areas through which HEIs can make a positive impact: a) Teaching and Learning, b) Research, c) Engagement, and d) Governance and Administration. The multiplicity of roles that HEIs can play in this endeavour include, but not limited to, the following:

- 1** Research & Development for faster implementation of SDGs
- 2** Eliciting the participation of the youth in SDG implementation
- 3** Empowering communities through outreach
- 4** Increasing awareness
- 5** Fostering partnerships
- 6** Becoming a role model for youths and other organisations
- 7** Running advocacy programmes
- 8** Aligning university policies with SDGs
- 9** Aligning university expenditure and consumption with SDGs

One unique advantage of HEIs is that the actions that they undertake do not get limited to the physical campus of the institutions. They have the potential to have far wider implications. For example, the measures it can take to reduce the gender gap through research and actions on ground can not only inspire other organisations to undertake similar exercises, they can also have a lasting impact on the minds of the future decision-makers pursuing education and training in that institution. Moreover, the sustainable policies of HEIs with regard to housing, transportation, security, infrastructure and culture can have a direct impact on the local community. Similarly, as an employer, HEIs have the opportunity to offer attractive working conditions in line with SDG 8 of achieving full and productive employment and decent work for all. In fact, the impact that actions of HEIs can have span all the 17 SDGs. HEIs can also serve as incubation centres for innovations that the world desperately needs, to address the mounting challenges of achieving the SDGs in a time-bound manner. Finally, the importance of HEIs in fostering partnerships for the goals cannot be overstated as collaborations with multiple stakeholders are key to expanding opportunities for students and driving the change that the world needs to see.



A large wind turbine stands on a grassy hill in the foreground. In the background, a city with many high-rise buildings is visible across a body of water, with mountains in the distance. The sky is a mix of blue and purple, suggesting sunset or sunrise. The foreground is filled with green ferns.

# A YEAR IN REVIEW

# KEY INSTITUTIONAL HIGHLIGHTS

## Accounting & Reporting of GHG Emissions

Universities play a transformative role in teaching and research towards climate change. But as large organisations with significant carbon footprint, it is also our responsibility to lead by example and work towards a net zero emissions goal.

For the financial year 2023-2024, we measured Scope 1 and Scope 2 emissions produced by the institution. Scope 1 emissions cover the Greenhouse Gas emissions that the university makes directly, while Scope 2 emissions are the emissions the university makes indirectly.

To carry out the accounting and reporting of Greenhouse Gas emissions, JGU opted for the GHG Protocol Corporate Accounting and Reporting Standard. Greenhouse Gas Protocol establishes comprehensive global standardised frameworks to measure and manage Greenhouse Gas emissions from private and public sector operations, value chains and mitigation actions. Greenhouse Gas Protocol supplies the world's most widely used greenhouse gas accounting standards.

For the next year, JGU is ambitiously looking to target Scope 3 emissions in order to achieve our next zero emissions by the year 2035. This exercise demands extensive interdepartmental collaboration and reimagining of our policies, systems and processes.

<b>SCOPE 1</b>	<b>37419.04</b>	<b>61.14%</b>
<b>SCOPE 2</b>	<b>23780.17</b>	<b>38.86%</b>
<b>TOTAL EMISSIONS</b>	<b>(t CO<sub>2</sub>e) 61199.21</b>	





## The First Indian University to Partner with Sulitest For **TASK** Certification



The Sustainability Literacy Test, known as Sulitest in short, was recognized as one of the first initiatives presented at the UN Partnerships for Sustainable Development Goals; and in 2017, recognized as a contributor to the revision of the UN 2030 Agenda at the High Level Political Forum (HLPF). Sulitest has been declared the “TOEFL for Sustainable Development” as it allows students to understand and demonstrate their knowledge of sustainability with an internationally recognised certification.

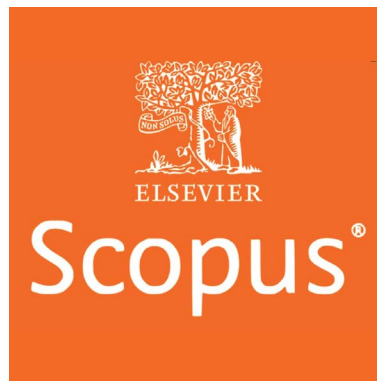
The Assessment of Sustainability Knowledge (or TASK) is informed by Sulitest’s model of sustainability knowledge, in which it is stated that all individuals should know and understand the planetary boundaries (earth system), the main foundations of human welfare, and the multiple interlinkages existing between these dimensions. By participating, students at JGU will not only be showcasing their commitment to sustainable education but also benchmarking their knowledge against global standards.

With the deployment of TASK, JGU will be able to measure the impact of our educational programmes across all schools. We plan to engage faculty members already working with sustainability education and innovative pedagogies to be ambassadors, while promoting the tool across the board and holding space for discussions. We also plan to engage the sustainability-focused student clubs for motivating the student community to engage with sustainability education.

We hope that by being amongst the first to be certified with this international standard of sustainability knowledge, JGU students will feel empowered to tackle sustainability related challenges in any career path they choose.



## Institutional Subscription to SciVal for Greater Research Impact



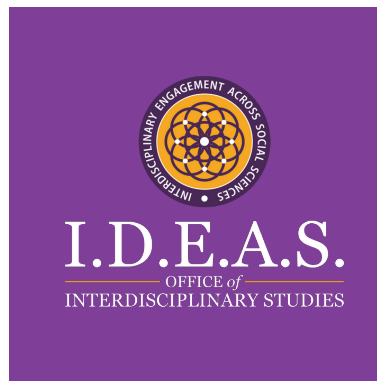
To increase JGU's research impact, the Office of Rankings, Benchmarking and Institutional Transformation in collaboration with the Office of Research (Projects, Grants and Publications) purchased SciVal. The Office of Research (Projects, Grants and Publications), was established in April 2020, with an objective to promote research activities and provide assistance to the various members of JGU on matters of research in a coordinated manner at the university level.

SciVal acts as a powerful tool for researchers. It goes beyond basic research analysis by directly connecting research efforts to the UN Sustainable Development Goals (SDGs). Using keyword and citation analysis, SciVal will help JGU researchers understand how their work aligns with specific SDGs, maximising the real-world impact of their research. SciVal identifies emerging trends and hot topics in sustainability research, keeping researchers at the forefront of the field and allowing them to address the most pressing challenges.

Collaboration is key in sustainability research, and SciVal will facilitate this by helping JGU researchers discover and connect with colleagues worldwide who share similar research interests. This will foster the exchange of ideas and the development of richer, more impactful projects that bridge disciplinary boundaries. Looking beyond academia, SciVal will empower JGU to benchmark its research performance in sustainability areas against peers.



## Launch of IDEAS, the Office of Interdisciplinary Studies



Drawing from the Latin meaning of the word interdisciplinary (inter means “between” and disciplina means “knowledge or teaching”), IDEAS is positioning itself “between fields of knowledge” in the social sciences. We seek to operate in this transitional intellectual space, incubating research “between disciplinary fields” where convergence in thought, praxis, and expertise will create and form the body of work produced by each Research Constellation.

Our goal at IDEAS is to identify, match disciplinary interests and build a supportive environment for the ideation and execution of innovative research that is led both by academic thought and praxis-informed priorities.

IDEAS as a think-space will serve as an institutional foundation at JGU for affiliated researchers to build integrated multi-disciplinary connections both within the University, and also with other stakeholders (policy think-tanks, social organisations, distinguished scholars, international academic partners, other research-based networks).

Given the expansive growth of a diverse range of scholarships and research areas within our University faculty, the establishment of IDEAS as a think-space is to foster an interdisciplinary space for creative expressions, while promoting cross-pedagogical learning, building dynamic, interdisciplinary thought-architecture that goes beyond normative axes of mainstream (social sciences) scholarship.

To this end, IDEAS has strategically launched six new Research Constellations based on a diverse range of research themes.

✓ Experimental Research Design and Pedagogy Methods Lab

✓ Politics, Society and History

✓ Understanding Indian Economy

✓ Transitional Spaces, Culture and Media Studies

✓ Geopolitics and Strategies

✓ Justice, Urban Systems and Technology





# FACULTY & STUDENT-LED INITIATIVES: TEACHING, LEARNING & PUBLIC ENGAGEMENT

Our community of staff and students aspire for excellence in making meaningful impact through their research action, outreach and collaboration. Below are some of the latest key highlights, demonstrating some of the most stimulating ideas and engaging initiatives led by our faculty and students.



## Workshop on the Measurement of Poverty and Inequality in India by Prayaas

Prayaas is an initiative by the Centre for New Economics Studies at JGU to engage students in the spirit of "knowing" to expand the breadth of their intellectual knowledge. The workshop was aimed at anyone who is interested in gaining a comprehensive understanding of poverty (and inequality) issues, especially in India. The objective of the workshop was to equip the participants with the major conceptual issues in the measurement, and to give them a hands-on experience of poverty computation with a couple of Indian datasets.



## Food for a Healthy Planet

JGU hosted distinguished delegates from the University of Melbourne. The delegation took part in a joint workshop on 'Food for a Healthy Planet' and interacted with the students regarding study opportunities at the University of Melbourne.

## Empowering Biodiversity Research

Jindal School of Environment and Sustainability (JSES) hosted a guest lecture on "Empowering Biodiversity Research: The Crucial Role of Citizen Science" by Arjun C.P., Ph.D. Research Scholar, Indian Institute of Information Technology and Management, Kerala



### 3 GOOD HEALTH AND WELL-BEING



## MoU with Haryana Government to Enhance Healthcare Initiatives

The Department of Health, Government of Haryana, and the Jindal Institute of Behavioural Sciences (JIBS) signed a memorandum of understanding (MoU) to enhance collaboration in various healthcare initiatives. The formal signing ceremony, held in Chandigarh on February 6, aims to bridge the gap between academic research and practical healthcare solutions. Under the MoU, both entities have outlined key areas of collaboration aimed at bolstering community health, mental well-being, and awareness campaigns aligned with government initiatives.

### 4 QUALITY EDUCATION



## Workshop on 'Reimagining Educational Praxis: Bridging Learning Research and Instructional Design' by Centre for Learning and Innovative Pedagogy (CLIP)

CLIP organised a faculty workshop on March 1, 2024, aimed at enhancing educational practice through the fusion of learning research and instructional design. The workshop covered the key pedagogical concepts: memory, metacognition, and motivation, led by Professor Derick Hall Lindquist. Through jigsaw discussions, Professor Tanushree Sharma facilitated a session on applying instructional design effectively.

### 5 GENDER EQUALITY



## E-magazine by the Centre for New Economic Studies

Titled "Sahithya: Gender, Caste and The Culture of Silence" this exploration seeks to delve into these crucial aspects by drawing from various secondary sources and interviews, shedding light on the subversion of hegemony, the role of language in agency, and the value of autobiographical storytelling in Dalit women's writing.



Scan to read  
'Swabhimaan'

## 'Applying a Sociological Lens for a Gender Inclusive Pedagogical Approach in Education'

Professor Sneha Kadyan's latest magazine article, "Applying a Sociological Lens for a Gender Inclusive Pedagogical Approach in Education" in the latest issue of the magazine - "World's Most Influential Social Scientists of 2023" by IMPAAKT Publishing. In this comprehensive piece, she encourages educators to use inclusive language and teaching materials, promotes discussions about gender-related topics, and ensures that classroom policies and practices are free from discrimination and bias, fostering a safe and inclusive space for all students to learn and thrive.





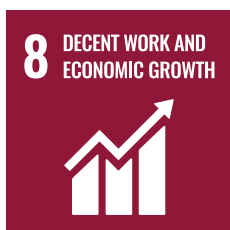
## Community Engagement Workshop on 'Water, sanitation, Health and Education: SDGs Learning and Training'

As a part of the course and in line with the UN Sustainable Development Goals (SDG 4 and 6) 'Clean Water and Sanitation', JSES students led by the course instructor Professor (Dr.) Pankaj Jha organised this community engagement workshop in September at the Government Primary School (Jagdishpur Village, Sonipat) for the school students and teachers.



## JGU-Auroville Winter School on Environmental Sustainability

Course highlights of this 1 week immersive experience at Auroville in January 2024 included GHG accounting from different sources and practices, on-site demonstration, field work and hands-on training, renewable energy applications and energy conservation, green buildings and green transport, community-based waste management and recycling/composting, water conservation and biological wastewater treatment, and organic farming and ecological restoration.



## Capacity-building for NGOs, Businesses and Government

The vision of Jindal Institute of Leadership Development and Executive Education (JILDEE) is to draw upon the best of the intellectual resources available at JGU along with its eight schools in collaboration with its national and international academic partners, with a view of promoting leadership development and executive education within corporations, government agencies, inter-government, public sector and non-government organisations, regulatory bodies, and other institutions.



## Jindal Global Business School (JGBS) Recognised as the First Fairtrade Business School in India

The Jindal Global Business School, for the period 2023-25, has committed to joining the Fairtrade Campus programme. A Fairtrade Campus is committed to raising awareness and engagement of the faculty and students with the concepts of Sustainability and Fairtrade. JGBS has also committed to sourcing more and more campus procurement on Fairtrade terms. Procuring Fairtrade Certified materials implies that greater sustainability is ensured for the environment along with creating a positive impact for the smallholder farmers and agricultural workers involved in the value chains.

## JGBS Conclave on 'AI: Reshaping Industries and Business Practices'

The event saw many industry experts sharing their deep knowledge and views to bridge the gap between academia and industry trends in artificial intelligence.







## Exploring the Politics of Development in Indian General Elections' by Conversations in Development Studies (CIDS)

The peer-reviewed, quarterly research journal publication produced by the research team of the Centre for New Economics Studies (CNES), Jindal School of Liberal Arts and Humanities (JSLH), published an issue exploring the politics of development in Indian general elections.



Scan to read 'CIDS'



Scan to read 'AEI'

## Access (In)Equality Index 2024 Report

The CNES research team created this report with the objective to create an index to capture inequality among households and individuals by looking at access to various opportunities (capabilities), thus measuring uneven distribution of deprivations across the states and union territories in India.



## Panel Discussion on 'Urban Development: Injustices and Resistances in our Cities' by the Office of Interdisciplinary Studies (IDEAS)

JUST (Justice, Urban Systems and Technology) is a research constellation under IDEAS which aims to work towards creating just cities by examining how public spaces, technologies, and urban development reinforce or transform social inequalities. The panel discussion focussed on key issues concerning the research group - urban development, justice, and technology.



## Responsible Production and Consumption: Towards Green & Circular Growth Mission of G20 India'

Sponsored by Indian Council of Social Science Research (ICSSR), the prime objective of this workshop was to enable social science researchers to contribute as change-makers through impactful research that solves the existing problems in the field of social sciences (including but not limited to human behavioural studies, education, business management, and economics). The workshop specifically emphasised hands-on result-oriented sessions that prepare the ground for policy research enabling the transition towards responsible production and consumption: towards green & circular growth mission of G20 India.

## E-waste Collection Drive

JSES, English Language Centre (ELC)-JGLS and E[co]work collaboratively hosted an E-Waste Collection Drive on the campus. The event aimed at supporting micro-entrepreneurs (directly supporting the growth and empowerment of informal e-waste dismantlers through E[co]work), as well as providing an opportunity to engage with like-minded individuals and organisations who are passionate about environmental conservation and sustainable practices.





## Techclimate Policy Case Competition

Jindal School of Government and Public Policy (JSGP) and the Policy Corner JSGP organised this event in collaboration with Hertie School, Berlin. In the final round of the competition, schools of JGU presented their unique ideas on the theme "Harnessing AI and Technology to improve Climate Governance and SDG 13 achievements". We got a wide bouquet of ideas presented from sustainable agriculture to lab grown meat to pollution surveillance technology.



## 'Adam's Bridge: Sacrality, Performance, and Heritage of an Oceanic Marvel

The book authored by Professor (Dr) Arup K. Chatterjee, unifies a consortium of themes, ranging across ecological and livelihood sustainability, environmentalism, soteriology, economic and geostrategic history, and the United Nations Convention on the Law of the Sea, in conceptualising a compellingly nuanced chronicle for India's enchanted 'bridge.'



## Public Lecture on Deconstructing Environmental Justice

The Centre for Environmental Law and Climate Change hosted a webinar featuring Prof. (Dr.) MK Ramesh on "Deconstructing Environmental Justice - Struggles of those who are Unrecognized and Unspoken About."



## Panel Discussion on 'Criminal Justice System: Myths, Realities and Disappointments'

On the occasion of the release of the book by Dr. R. K. Raghavan, IPS (Former Director, Central Bureau of Investigation and Former High Commissioner of India to Cyprus) a panel discussion was held at the JGU Campus on the theme of "Criminal Justice System in Contemporary Perspective".



## The Voice of the Global South Week

Jindal Centre for the Global South (JCGS), in collaboration with the Jindal India Institute (JII) and the Centre for Middle Eastern Studies at the Jindal School of International Affairs (JSIA) organised 'The Voice of the Global South Week' from 6th to 11th March 2024. JCGS promotes the unity of the South in achieving the SDGs while recognizing the diversity of national interests and priorities. The programme featured the '(Re)discovering the Global South Exhibition', panel discussions and film screening.





## The G20 Universities Impact Summit

JGU in collaboration with the Association of Indian Universities, the Times Higher Education of the United Kingdom, and the Jindal Global Centre for G20 Studies, organised 'The G20 Universities Impact Summit: Implementing SDGs and Beyond' on August 23 in New Delhi. The much-anticipated Times Higher Education Impact Report was released at the conference. The summit underlined the necessity of universities working together internationally to implement SDGs. The inaugural address for the G20 Universities Impact Summit was given by Dr. Subhas Sarkar, Minister of State for Education, Government of India.

## World Universities Summit

JGU organised the summit on 'Universities of the Future: A Global Partnership for Social Justice and Sustainable Development' from February 19 to 21. Organised by the International Institute for Higher Education Research & Capacity Building (IIHED) of JGU, the fourth edition of the Summit was a hybrid event, which included two days of 25 virtual thematic sessions, followed by a Higher Education Leaders' Conclave at JGU's campus on February 21.





RESEARCH  
ON THE  
**SDGs**

# RESEARCH OVERVIEW

Overall  
Scholarly  
Output

2816

Scholarly  
Output on the  
SDGs

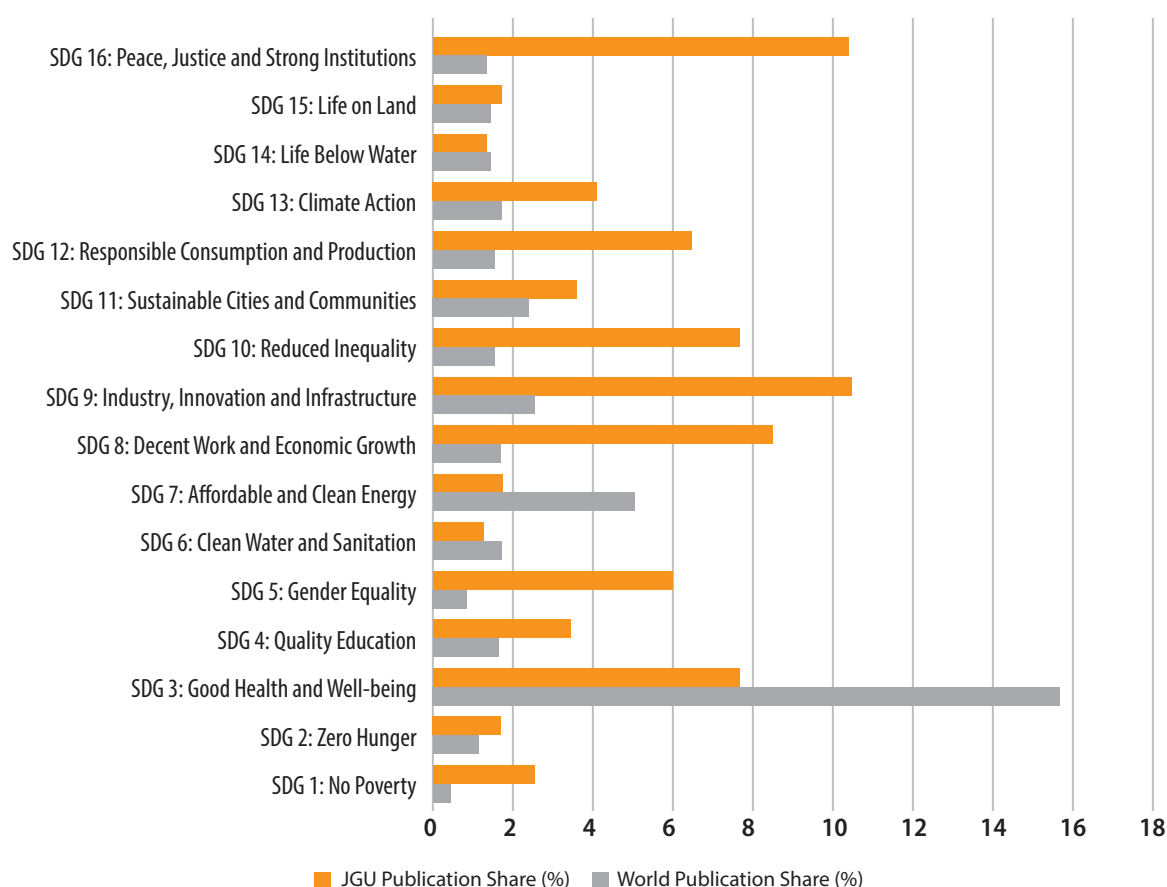
2223

SDGs with Relative  
Activity Index\*  
Higher than  
Global Average

12

Proportion of scholarly output contributing to progress towards the SDGs

JGU vs WORLD



\* Relative Activity Index (RAI) is defined as the share of an entity's publications in a subject area, relative to the global share of publications in the same subject.



# TRACKING RESEARCH PROGRESS IN THE LAST FOUR YEARS

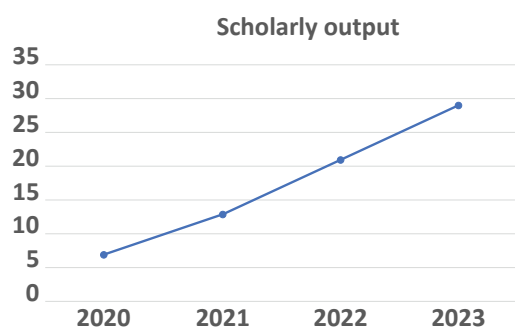
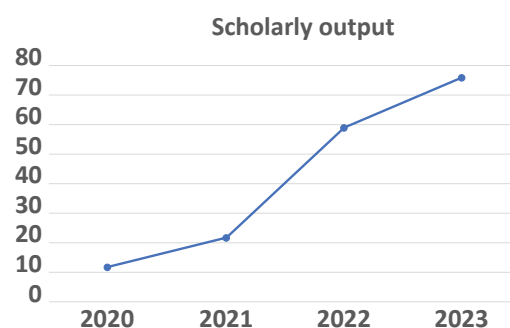
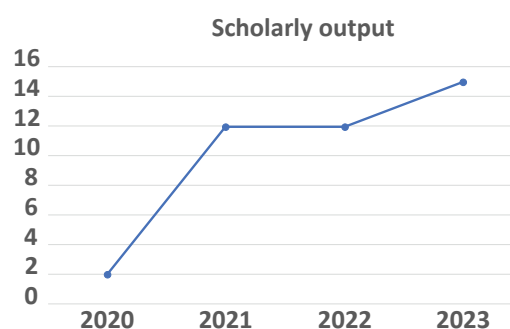
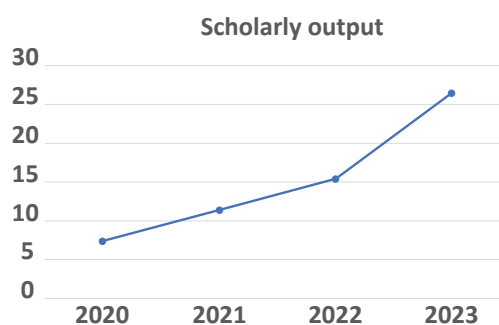
JGU is a research-driven university fostering excellence in teaching, research, and community service. The university promotes high-quality interdisciplinary research in a vibrant and plural environment. We believe that universities are uniquely placed to lead by contributing to the SDGs through the generation of new knowledge and evidence-based solutions through the expertise of their researchers.

The UN Sustainable Development Report 2023 presented the SDG Index and Dashboard to track the annual progress of all 193 UN Member States towards the SDGs. When the population-weighted world average performance by goal was measured, it showed that none of the goals are on track to be achieved globally by 2030.

We looked at India's trend arrows to compare the priorities on the country-level, with the progress JGU is making in terms of our scholarly output on the SDGs in recent years. This exercise helped in assessing our own pace of progress and our strengths and weaknesses.





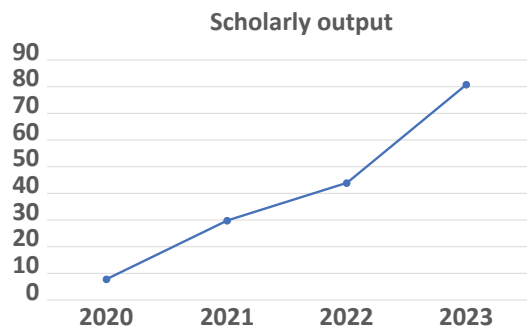
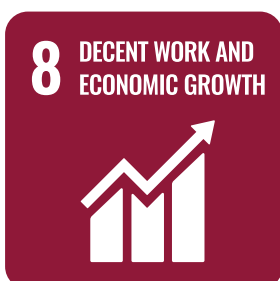
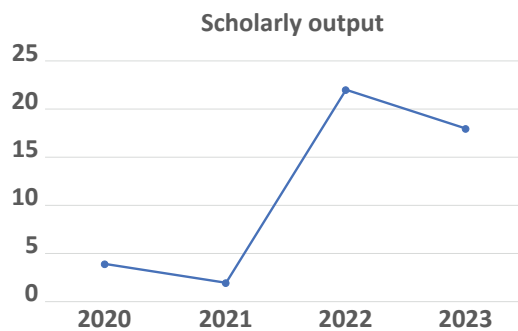
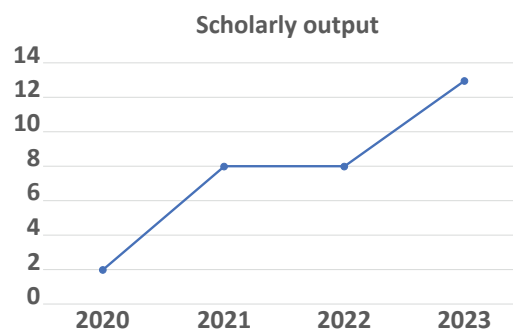
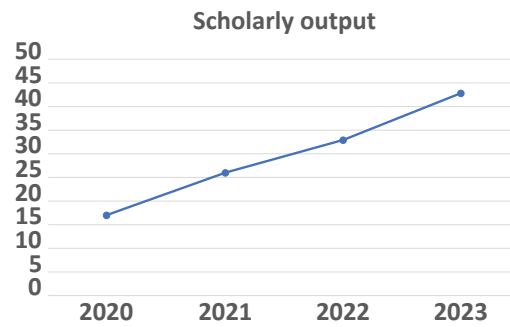


Stagnating

Moderately  
Improving

On Track or  
Maintaining SDG Achievement



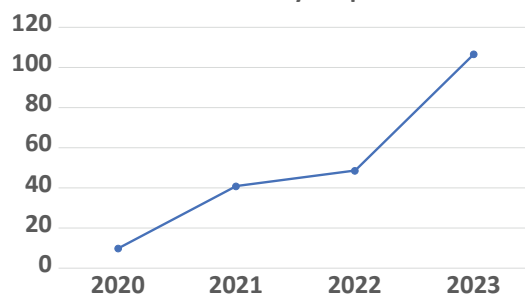


Decreasing

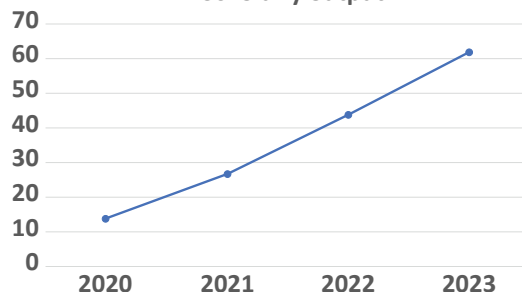
Moderately  
Improving

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE

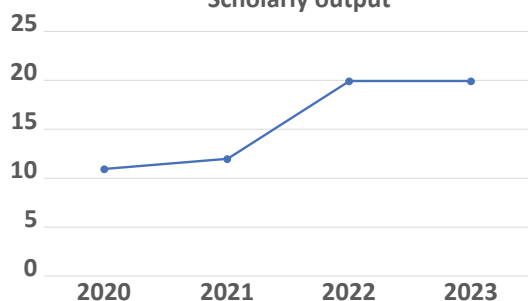
Scholarly output

**10** REDUCED  
INEQUALITIES

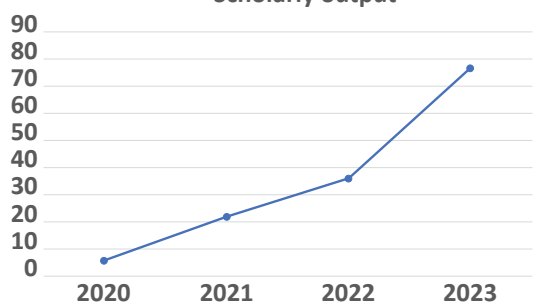
Scholarly output

**11** SUSTAINABLE CITIES  
AND COMMUNITIES

Scholarly output

**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION

Scholarly output



Decreasing

Stagnating

Moderately  
ImprovingOn Track or  
Maintaining SDG Achievement

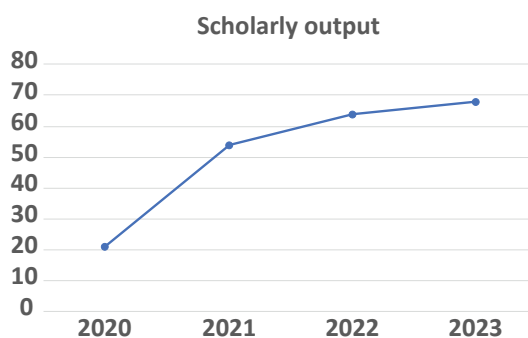
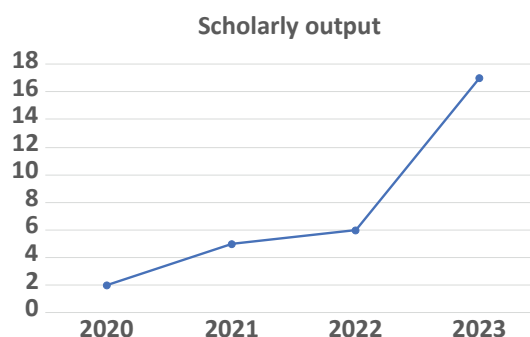
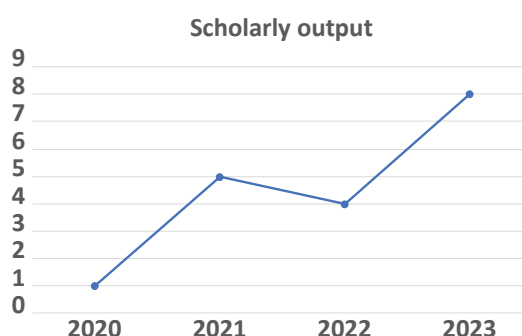
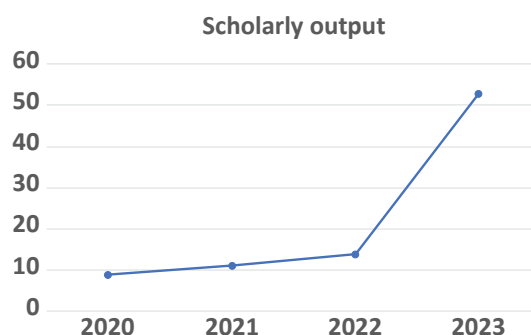


## The SDGs

## JGU's Research Output Dashboard

## JGU's Research Contribution

## India's Dashboard



Decreasing

Stagnating

Moderately Improving

On Track or Maintaining SDG Achievement



# RESEARCH FUNDING FOR THE SDGs

JGU researchers are actively involved in eight sustainability-focused projects, collaborating with various research councils, industrial partners and other sponsors, such as The British Council's Going Global Partnerships Grant, the National Institute of Health Research (U.K.), and the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany. These collaborations ensure that the university's research endeavours align with the Sustainable Development Goals (SDGs) while contributing to broader sustainability objectives.

## UK-India Education and Research Initiative (UKIERI)

13 CLIMATE ACTION



### Project

Understanding geohazard processes and their impacts across India

### Principal Investigator

Dr. Rahul Devrani

### Department

Jindal School of Environment and Sustainability

Project Value : 7289000 INR

## The British Council Going Global Partnerships Grant, 2021-22 (In collaboration with King's College, London)

13 CLIMATE ACTION



### Project

Transnational Remedies for Environmental Harm with Clinical Legal Education

### Principal Investigator

Professor Dipika Jain

### Department

Jindal Global Law School

Project Value : 20000 GBP



## National Institute of Health Research, U.K. (In collaboration with Imperial College, London)

3 GOOD HEALTH  
AND WELL-BEING



### Project

Health Financing Fragmentation and Universal Health Coverage in Brazil, Colombia, Mexico and India (NIHR150067)

### Principal Investigator

Professor (Dr.) Indranil Mukhopadhyay

### Department

Jindal School of Government and Public Policy

Project Value : 523839 GBP

## Wellcome Trust (In collaboration with King's College, London)

13 CLIMATE  
ACTION



### Project

Mechanistic Trial of Problem Solving and Behavioural Activation for Youth Depression

### Principal Investigator

Dr. Kanika Malik

### Department

Jindal School of Psychology & Counselling

Project Value : 354200 GBP

## RoundGlass India Center - Seattle University

16 PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



### Project

Access to Justice in Punjab

### Principal Investigator

Professor Dipika Jain

### Department

Jindal Global Law School

Project Value : 43062 USD



## Indian Council of Social Science Research

7 AFFORDABLE AND  
CLEAN ENERGY



### Project

Identification and Analysis of Barriers in Adoption of off Grid Solar Powered Agriculture Pumps by Individual Farmers in Haryana and Western Uttar Pradesh Region.

### Principal Investigator

Dr. Deepak Sangroya

### Department

Jindal Global Law School

Project Value : 1158000 INR

## Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, Germany

12 RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



### Project

Global Project "Support of the Export Initiative for Green Technologies (BMU)"

### Principal Investigator

Professor (Dr.) Milindo Chakraborty

### Department

Jindal School of Government and Public Policy

Project Value : 36419 USD





## Chemonics Group UK Ltd, UK

10 REDUCED INEQUALITIES



### Project

Women, Conflict and Healthcare: Access, Negotiation and Agency in the Indo-Myanmar Borderland

### Principal Investigator

Professor (Dr.) Samrat Sinha

### Department

Jindal Global Law School

Project Value : 35000 GBP

## European Commission

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



### Project

European Borders - Security, Solidarity, Responsibility (RADAR)

### Principal Investigator


Professor (Dr.) Raffaella Puggioni

### Department

Jindal School of International Affairs

Project Value : 50000 EUR





# **INSTITUTIONAL OUTPUTS: SDGs UNDER JGU'S RESEARCH CENTRES**



# Centre for Sustainability



## Objectives

Being a part of a global university that aspires to achieve the highest standard of academic credentials, Jindal School of Government and Public Policy (JSGP) considers foray into “sustainability” a fait accompli. Governance of sustainability and the implications of SDGs in designing effective public policy interventions cannot be overemphasised. The Centre for Sustainability housed within JSGP is thus a timely effort by the school to contribute meaningfully to the challenges of achieving Agenda 2030. Being a research-led School, it will engage its students in both academic and action research to understand and disseminate the possible pathways to sustainable development that capture the pluralities in approaches to achieving the goals, rather than looking for a one size fits all solution.

## Focus Areas

Global warming and climate change

Threat of increasing incidence of zoonotic diseases

Increasing inequality with economic, racial, religious and gendered ramifications

## Researcher Profile

Professor (Dr.) Milindo Chakrabarti



## Researcher Spotlight

Scholarly Output		Citation Count	Citation per Publication	H-Index
8		16	2.0	3
S.No	Top 5 Topics by Scholarly Output between 2018-2024	Worldwide Prominence Percentile		
1	Energy Transition; Innovation system; Sustainability	99.86		
2	Wind Power; Electricity Storage; Arbitrage	99.89		
3	Consumption Growth, Renewable Energy Consumption, Economic Growth	99.72		
4	Entrepreneurial Activity; New Firm Formation; Economic Growth	98.32		
5	Inflation Uncertainty; Economic Growth; Macroeconomic Volatility	73.10		



# Center for Environment, Sustainability and Human Development (CESH)

## Objectives

Center for Environment, Sustainability and Human Development (CESH) – a transdisciplinary environmental research centre established at JSLH that actively engages students from across the campus. The main focus of research group is to merge environmental sciences with social studies, economics, policy, politics, climate, food, air, water, sanitation and several others to come up with ideas about the (a) governing factors, natural and anthropic, affecting human sustainable development, (b) spatio-temporal dimensions of the factors over varied scales and (c) potential pathways to address the challenges. A major thrust of our research is to devise and test latest geospatial modelling tools and techniques to map ‘hotspots’ of environment-induced socioeconomic changes, characterise temporal trends, identify main driving factors and develop strategic interventions.

## Focus Areas

Devising and testing of the latest geospatial modelling tools and techniques to map ‘hotspots’ of environment-induced socioeconomic changes

Characterisation of temporal trends

Identification of the main driving factors and development of strategic interventions.

## Researcher Profile

Professor (Dr.) Sriroop Chaudhuri



## Researcher Spotlight

Scholarly Output		Citation Count	Citation per Publication	H-Index
30		670	22.3	15
S.No	Top 5 Topics by Scholarly Output between 2018-2024	Worldwide Prominence Percentile		
1	Tank Irrigation; Groundwater; Water	89.03		
2	Hygiene; Sanitation; Diarrheal Disease	98.09		
3	Food Pantries; Program Participation; Family Characteristic	95.05		
4	Soil; Soil Compaction; Tractors	94.01		
5	Street Trees; Urban Forests; Green Infrastructure	98.35		





Researcher Profile

Professor (Dr.) Mimi Roy



Researcher Spotlight

Scholarly Output	Citation Count	Citation per Publication	H-Index
17	516	30.4	12

S.No	Top 5 Topics by Scholarly Output between 2018-2024	Worldwide Prominence Percentile
1	Water Supply; Irrigation System; Groundwater Resource	82.21
2	Food Insecurity; Prevalence; Household	91.19
3	Smallholder; Innovation Adoption; Agricultural Technology	97.84
4	Water Supply; Rural Population; Household	95.55
5	Heavy Metal; Phytoremediation; Hyperaccumulation	94.97



# Centre for New Economics Studies



## Objectives

Espousing the philosophy of how contemporary economic theories look at socio-economic problems in a variety of ways, the Centre for New Economics Studies (CNES) through its research and activities aims to focus more on exploring the diversity of the scholarship on economics. At CNES, students and young researchers are not only exposed to the basic foundations of economic reasoning and thought but are exposed to the inter-disciplinary application of the discipline of economics in fields of political science (via political economy), psychology (via behavioural economics), history (via economic history), legal studies (via law and economics) etc.

## Focus Areas

Ethnocentric and experiential approach to development studies, economic and social policy evaluation

Linking economic theory with historical experience(s) and empirical observation under a robust, experimental environment of research.



Scan to read  
'Avarohana', by Team  
Swabhimaan of CNES

## Researcher Profile

Professor (Dr.) Deepanshu Mohan



## Researcher Spotlight

Scholarly Output		Citation Count	Citation per Publication	H-Index
11		33	3.0	2
S.No	Top 5 Topics by Scholarly Output between 2018-2024	Worldwide Prominence Percentile		
1	Informality; Post-Soviet; Russia	58.05		
2	Hygiene; Sanitation; Diarrheal Disease	98.09		
3	Fair Trade; Global Value Chains; Global Production Networks	99.03		
4	IMF; World Bank; Investment Banks	93.03		
5	Dalits; Elections; Prime Minister	87.01		



# Centre for Research on Digital Circular Economy for Sustainable Development Goals (DCE-SDG)



## Objectives

The aim of this centre is to create the first CE knowledge hub in India that will strengthen regional, national and transnational partnerships between industries and academia. The centre conducts evidence-based research with beneficiaries – academic researchers, industry practitioners, and policymakers to systematically align the capacity-building needs, policies and roles of each beneficiary to facilitate transition from linear to circular economy for UN SDGs. Developing capabilities to implement CE will create new skilled jobs and increase employability which is linked to the UN Sustainable Development Goal [SDG8], facilitating economic growth. CE will also alleviate environmental issues caused due to carbon emissions, by reducing the use of virgin materials, and eliminating waste in production, by converting them into renewable energy synchronised to SDG 2, 6, 7, 9, 11, 12, and 13.

## Focus Areas

Innovations and Business Models for transforming businesses from Linear economy to Digital Circular Economy for Economic, Environmental and Social Development.

Digital technologies (Blockchain, IoT, AI applications) that drives Circular Economy for Responsible Economic, Environmental and Social Development.

Circular Economy and Sustainability Performance Measurement and Audit Framework facilitating consolidated assessment of economic, socially responsible, and environmentally friendly business practices.

Water, Energy and Food Nexus for Digital and Circular Economy for Responsible Economic, Environmental and Social Development.

Diversity, Equality, and Inclusion (DEI) and Business Ethics in driving Digital and Circular Economy for Responsible Economic, Environmental and Social Development.

Cross-disciplinary issues in driving Digital and Circular Economy for Responsible Economic, Environmental and Social Development.

Digital Circular Economy in Entrepreneurial opportunities for Responsible Economic, Environmental and Social Decisions.



Researcher Profile

Professor (Dr.) Sachin Kumar Mangla



Researcher Spotlight

Scholarly Output		Citation Count	Citation per Publication	H-Index
220		1232	54.7	64
S.No	Top 5 Topics by Scholarly Output between 2018-2024		Worldwide Prominence Percentile	
1	Supply Chain; Environmentally Preferable Purchasing; Green Practices		99.93	
2	Disruption; Supply Chain Disruptions; Dual Sourcing		99.09	
3	Industrial Symbiosis; Sustainable Development; Circular Economy		99.09	
4	Big Data; Business Intelligence; Supply Chain Management		99.07	
5	Closed-Loop Supply Chain; Remanufacturing; Reverse Logistics		99.08	





# Centre for Environmental Law and Climate Change (CELCC)



CENTRE FOR ENVIRONMENTAL LAW AND CLIMATE CHANGE

## Objectives

The Centre for Environmental Law and Climate Change (CELCC) has the vision to educate, equip and raise awareness about ecological justice and climate change. It focuses on research on contemporary legal issues involving the environment and climate change and aims to advocate environmental conservation and regeneration. Further, it seeks to enhance environmental law and policy consciousness through collaborative actions involving students, the community and faculty. The Centre's main objective is to build effective networking among stakeholders, undertake activities to create sensitivity among students, conduct training and capacity-building programmes, provide consultancy on environmental issues, and create an environmental law community with focus on transforming environmental justice into ecological justice.

## Focus Areas

Environment

Sustainable Development

Climate Change

## Researcher Profile

Professor (Dr.) Tony George



## Researcher Spotlight

Scholarly Output	Citation Count	Citation per Publication	H-Index
20	48	2.0	04

S.No	Top 4 Topics by Scholarly Output between 2018-2024	Worldwide Prominence Percentile
1	Procuratorates; Criminal Law Procedure; China	77.39
2	Tank Irrigation; Groundwater; Water	89.11
3	Elinor Ostrom; Sustainability; Common Pool Resources	78.04
4	Water Rights; Political Ecology; Peru	92.06



# Jindal Centre for the Global South (JCGS)



## Objectives

Jindal Centre for the Global South is affiliated to the Jindal School of International Affairs. Achieving the Sustainable Development Goals (SDGs), particularly poverty eradication, requires national policies, an international and regional cooperation that supports development efforts.

Research centres that are focusing on the Global South studies are very few in the Southern globe in comparison to their number in the Northern countries. Jindal Centre for the Global South aims to fill this gap and conducts policy-oriented research, dialogue and training in the social, economic and political key issues across countries of the Global South with a special emphasis on South-South Cooperation and its underpinning development opportunities for the Global South countries.

## Focus Areas

Addressing Global South development challenges

Mapping innovative finance for development mechanisms

Assessing the role of South-South Cooperation in addressing the 2030's Global Agenda for sustainable development

## Researcher Profile

Professor (Dr.) Hebatallah Adam



## Researcher Spotlight

Scholarly Output	Citation Count	Citation per Publication	H-Index
2	4	2.0	1

S.No	Top Topics by Scholarly Output between 2018-2024	Worldwide Prominence Percentile
1	Financial Inclusion; Banks; Finance	98.67
2	Monetary Transmission; Credit; Inflation	73.29



# LEADING SUSTAINABILITY RESEARCHERS





## Professor (Dr.) Maharaj K. Pandit

Scholarly Output	Citation Count	Citation per Paper	h-index
74	3201	43.25	26



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Environmental Impact Assessment; China; Land Use Change	75.59
2	Invasive Species; Biological Invasion; Soil Biota	97.77
3	Phylogeography; Genetic Divergence; DNA	91.33
4	DNA Barcoding; Invasive Species; Metabarcoding	99.57
5	Climate Change; Aves; Environmental Niche Modeling	98.68



## Professor (Dr.) Sachin Kumar Mangla

Scholarly Output	Citation Count	Citation per Paper	h-index
220	12107	54.8	64



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Supply Chain; Sustainable Development; Industry	99.80
2	Sustainable Development; Environmental Impact Assessment; Circular Economy	99.98
3	Supply Chain; COVID 19 Epidemic; Industry	99.62
4	Big Data; Decision-Making; Data Analytics	99.68
5	Supply Chain; Risk Management; COVID-19	99.88







## Professor (Dr.) Ramamoorthi Jayaraj

Scholarly Output  
**129**

Citation Count  
**1181**

Citation per Paper  
**9.2**

h-index  
**19**

**3** GOOD HEALTH  
AND WELL-BEING



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Meta-Analysis; Bayes Theorem; Random Effects Model	96.16
2	Mouth Tumor; Cancer Staging; Squamous Cell Carcinoma	93.59
3	Meta-Analysis; Reproducibility; Research Design	99.06
4	MicroRNA; Tumor Marker; Gene Expression Profiling	96.04
5	Signal Transduction; Notch Signaling Pathway; Cell Proliferation	97.02



## Dr. Mousumi Mukherjee

Scholarly Output  
**20**

Citation Count  
**26**

Citation per Paper  
**2.8**

h-index  
**04**

**4** QUALITY  
EDUCATION



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Rabindranath Tagore; Indians; Religion	28.77
2	Consumers; Case Study; Rhetoric	84.84
3	Online Learning; E-learning; COVID-19	99.90
4	International Education; Case Study; Educational Policy	62.29
5	Private Education; Right to Education; Educational Policy	72.95





## Professor Dipika Jain

Scholarly Output

22

Citation Count

166

Citation per Paper

7.5

h-index

5

5 GENDER  
EQUALITY



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Indians; Gender Minorities; Transgender	72.18
2	Induced Abortion; Attitude to Health; Health Service	23.60
3	Induced Abortion; Maternal Mortality; Health Service	89.15
4	Personhood; Induced Abortion; Value of Life	69.95
5	Turkey; Women's Status; Patriarchy	68.81

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## Dr. Sanjay Chaudhary

Scholarly Output

21

Citation Count

295

Citation per Paper

14.0

h-index

9

6 CLEAN WATER  
AND SANITATION



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Intrapreneurship; Firm Performance; Entrepreneurial Orientation	98.81
2	Open-Innovation; Research and Development; Innovation Process	99.46
3	Firm Performance; Relationship Marketing; Market Orientation	97.14
4	Entrepreneurial Ecosystems; Regional Development; Entrepreneurship	98.5
5	Family Business; Case Study; Ownership	99.6





## Scholarly Output

37

## Citation Count

730

### Citation per Paper

## 19.7

## h-index

15



## Scholarly Output

26

### Citation Count

31

### Citation per Paper

## 1.2

## h-index

3





## Professor (Dr.) Mimi Roy

Scholarly Output

17

Citation Count

516

Citation per Paper

30.4

h-index

12



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Water Supply; Irrigation System; Groundwater Resource	82.21
2	Food Insecurity; Prevalence; Household	91.19
3	Smallholder; Innovation Adoption; Agricultural Technology	97.84
4	Water Supply; Rural Population; Household	95.55
5	Heavy Metal; Phytoremediation; Hyperaccumulation	94.97



## Professor (Dr.) Sriroop Chaudhuri

Scholarly Output

30

Citation Count

670

Citation per Paper

22.3

h-index

15



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Tank Irrigation; Groundwater; Water	89.03
2	Hygiene; Sanitation; Diarrheal Disease	98.09
3	Food Pantries; Program Participation; Family Characteristic	99.05
4	Soil; Soil Compaction; Tractors	94.01
5	Street Trees; Urban Forests; Green Infrastructure	98.35







## Professor (Dr.) Keerty Nakray

Scholarly Output

37

Citation Count

63

Citation per Paper

1.7

h-index

5

1 NO POVERTY



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Family Policy; Gender Equality; Welfare	83.36
2	Distribution System; Food Security; Subsidy	61.09
3	Programme for International Student Assessment; Testing; Educational Policy	95.14
4	Disability Studies; Ableism; Discrimination	88.01
5	Interest Groups; European Community; Lobbying	85.55

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## Dr. Aliya Naz

Scholarly Output

24

Citation Count

512

Citation per Paper

21.3

h-index

12



S.No	Top 5 Topics by Scholarly Output between 2018- 2023	Worldwide Prominence Percentile
1	Carbon Sequestration; Mangrove Forests; Climate Change	99.47
2	Heavy Metal; Soil Pollution; Environmental Monitoring	99.69
3	Sundarbans; Climate Change; Global Warming	51.52
4	Heavy Metal; Water Pollutant; Environmental Monitoring	85.93
5	Compressive Strength; Geopolymers; Inorganic Polymer	99.94





# TEACHING & LEARNING



# DEGREE PROGRAMMES IN SUSTAINABILITY

## UNDERGRADUATE

### B.A. (Hons.) Environment & Sustainable Development

Through a multidisciplinary approach, the B.A. (Hons.) Environment & Sustainable Development programme equips students with a strong understanding of environment and sustainability policies, practices, economic frameworks, and scientific aspects. They will acquire the necessary skill sets to critically analyse environment and sustainability issues including climate change mitigation and adaptation, environmental pollution and health.

### B.Sc. (Hons.) Environment & Sustainable Development

The programme is designed with a comprehensive curriculum that includes foundational courses, science courses, and practical and laboratory components. The programme also provides ample opportunities for hands-on learning and intensive internships to enhance the learning experience. Students will develop technical, mathematical, architectural, and scientific skills required to critically analyse gaps in achieving the UN SDGs.





## POSTGRADUATE

### LL.M. in Environmental Law, Energy & Climate Change

The Centre for Environmental Law (CEL), established as an integral part of WWF India, in collaboration with JGU launched the LL.M. in Environmental Law, Energy and Climate Change. The LL.M. programme is developed to integrate Indian and global perspectives on aspects of national and international environmental law, climate change and energy, and emphasises on international, transnational and comparative approach to study the subject. The programme aims to equip the students with skills for global research enabling them to adapt, innovate and apply their knowledge to national and international legal issues in areas of law.

## DOCTORAL

### Ph.D. Programme

The Jindal School of Environment & Sustainability (JSES) is working to lead the world towards a sustainable future with innovative teaching, practice-based learning and impact-driven Ph.D. research. The primary goal of JSES is to offer students a concentration in environment and sustainability studies with opportunities to explore how humans interact with the environment, including physical, biological, economic, philosophical, social and legal elements.





# UNIVERSITY-WIDE ELECTIVE COURSES DIRECTLY ADDRESSING THE SDGs



**1** NO POVERTY



**NUMBER OF ELECTIVES 13**

**COURSE SPOTLIGHT :**  
Legal Empowerment of the Poor

**2** ZERO HUNGER



**NUMBER OF ELECTIVES 03**

**COURSE SPOTLIGHT :**  
Food and Water Security

**3** GOOD HEALTH AND WELL-BEING



**NUMBER OF ELECTIVES 10**

**COURSE SPOTLIGHT :**  
Gerontology: Lifestyle for Longevity Political Economy of Agriculture

**4** QUALITY EDUCATION



**NUMBER OF ELECTIVES 84**

**COURSE SPOTLIGHT :**  
Examining Higher Education Policy: Skills, entrepreneurship and technical education in India

**5** GENDER EQUALITY



**NUMBER OF ELECTIVES 36**

**COURSE SPOTLIGHT :**  
Women Artists, Male Gaze, Literary Forms

**6** CLEAN WATER AND SANITATION



**NUMBER OF ELECTIVES 02**

**COURSE SPOTLIGHT :**  
Law of Rivers



**7** AFFORDABLE AND  
CLEAN ENERGY



**NUMBER OF ELECTIVES 05**

**COURSE SPOTLIGHT :**  
Energy Security and Diplomacy

**8** DECENT WORK AND  
ECONOMIC GROWTH



**NUMBER OF ELECTIVES 116**

**COURSE SPOTLIGHT :**  
Growth, Development, and  
Employment: Data systems in  
India

**9** INDUSTRY, INNOVATION  
AND INFRASTRUCTURE



**NUMBER OF ELECTIVES 75**

**COURSE SPOTLIGHT :**  
Technology and Innovation in  
Global Business

**10** REDUCED  
INEQUALITIES



**NUMBER OF ELECTIVES 35**

**COURSE SPOTLIGHT :**  
Building Empathy and Inclusion:  
Fostering a Disability-Inclusive  
Mindset

**11** SUSTAINABLE CITIES  
AND COMMUNITIES



**NUMBER OF ELECTIVES 06**

**COURSE SPOTLIGHT :**  
Dynamics of Global Change and  
Local Responses

**12** RESPONSIBLE  
CONSUMPTION  
AND PRODUCTION



**NUMBER OF ELECTIVES 05**

**COURSE SPOTLIGHT :**  
Navigating Environmental  
Justice Challenges in Electronic  
Waste Management and Circular  
Economy Practices

**13** CLIMATE  
ACTION



**NUMBER OF ELECTIVES 14**

**COURSE SPOTLIGHT :**  
Climate Change, Human  
Rights and Blue Economy in  
Developing Countries

**14** LIFE  
BELOW WATER



**NUMBER OF ELECTIVES 08**

**COURSE SPOTLIGHT :**  
Maritime Environmental History

**15** LIFE  
ON LAND



**NUMBER OF ELECTIVES 04**

**COURSE SPOTLIGHT :**  
Biodiversity Conservation:  
Human and Policy Dimensions

**16** PEACE, JUSTICE  
AND STRONG  
INSTITUTIONS



**NUMBER OF ELECTIVES 223**

**COURSE SPOTLIGHT :**  
India's Role in UN Peace Keeping





5

# CAMPUS FEATURES & FACILITIES







# PRESERVING OPEN SPACES

## GREEN COVER & TREE INVENTORY



**Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation and halt biodiversity loss**

63% of the JGU campus is under green cover, compared to 55% in the previous year. This green cover is maintained by a team of gardeners undertaking hoeing, weeding, watering, cleaning, lawn mowing, hedge cutting, bush cutting, manuring, pruning with anti-termite, weedicide and insecticide treatment. As a result, our campus is host to a wide variety of species of flora and fauna.



**BUILT-UP AREA: 234842 SQ. M**

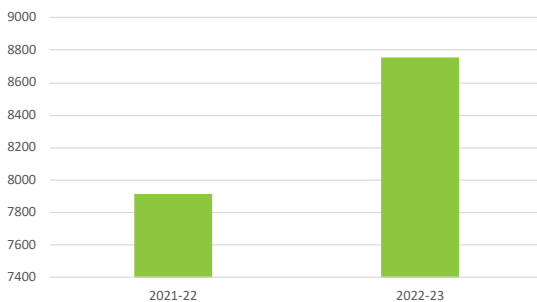


**130000+ PLANTS AND SHRUBS**

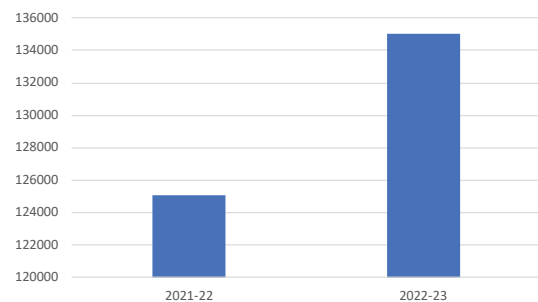


**55% → 63% GREEN COVER IN 2023**

Number of Trees on the Campus



Number of Shrubs on the Campus



## NO SMOKING POLICY

Smoking, including the use of tobacco products, electronic cigarettes, or any other smoking apparatus, is strictly prohibited anywhere on the university campus premises. This prohibition extends to all indoor and outdoor areas without exception.





# WATER

*Water used in the past year: 439521 KL*

*100% water recycled/reused*

## WATER CONSCIOUS PLANTING



**Ensure availability and sustainable management of water and sanitation for all**

There are 132966 shrubs and trees on the campus. JGU prioritises water-conscious planting. Only treated wastewater is used for plants and no fresh water or domestic water is used. Plant species in the campus that consume less water include *Mitragyana parviflora* (Kadamb), *Bauhinia purpuria*, *Erythreana indica*, *Ficus infectoria*, *Dalbergia sisso*, *Terminalia arjuna* and *Cassia siamea*.

## WATER USAGE & RECYCLING

### Domestic Water



Bore wells are employed on the campus for the ground water abstraction, this groundwater is then fed to the pump rooms to transform abstracted hard water to soft water by processing the hard water via multigrade filters and activated carbon filters basically to remove the calcium and magnesium contents in water. This processed soft water is ready for use for domestic purposes (hostel washrooms, residential quarters, swimming pool, kitchen and academic block washrooms).

### Drinking Water



This soft water is fed to the Reverse Osmosis (RO) plants to obtain drinking water. RO does this by removing contaminants and minerals in the water by using stages of purification filter. Reverse osmosis removes the sodium ions, odours and colours - Reverse osmosis removes the impurities that cause odours and colours in your water.





## Reusing Wastewater



The water released after use in hostel washrooms, kitchens and residential areas becomes grey water or waste water. This wastewater is then fed to the sewage treatment plants to undergo various physical, chemical, and biological processes to remove contaminants and produce treated wastewater that is safe enough for horticulture and irrigation purposes.

## Free Drinking Water

There are more than 220 water fountains and water coolers installed across the campus. The free drinking water is available for all staff members, students and visitors.



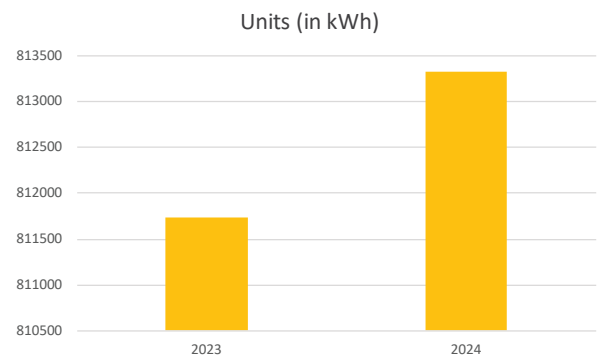


# ENERGY

813329 kWh renewable energy generated in 2023



**Ensure access to affordable, reliable, sustainable and modern energy for all**



## SOLAR PANELS



JGU is committed to its vision of nurturing socially responsible leaders through an eclectic and sustainable approach serving the local and regional communities. JGU has focused on planned interventions in the domain of energy such as power generation from solar energy, solar water heating, energy conservation measures that demonstrate its alignment with the programmes /mission of the energy sector as highlighted under the Haryana State Action Plan on climate change.

## EV CHARGING STATIONS

There are currently 15 EV charging ports on the campus. The entry of personal vehicles is strictly restricted. Only battery operated golf carts are used within the campus.





## Ensure sustainable consumption and production patterns

Garbage is segregated at sources through trio bins installed around the campus. Waste is recycled through composting of solid waste, sewage treatment and 100% of utilisation of treated water for horticulture. Horticulture waste is utilised for manure formation.

## WASTE SEGREGATION

All campus waste is segregated through trio bins kept indoors and outdoors. The amount of waste sent to landfills and the quantity recycled is recorded systematically. This data is used to analyse the effectiveness of waste management practices and set achievable recycling targets.



## DISPOSAL OF HAZARDOUS WASTE

Biomedical waste from the JGU Health Centre is segregated as per Government norms. The waste is collected by our vendor on alternate days.





## NO PLASTIC USE POLICY

JGU has introduced a strict 'No Plastic Use Policy' and 'Policy on Minimisation of Disposable Items' to minimise, rather, gradually eliminate the use of non-biodegradable plastic to promote environmental sustainability and well-being across the University. The sale of single use plastic water bottles is banned on the campus. The presence of water refilling stations across the campus helps strengthen the policy.





# HEALTHCARE & ACCESSIBILITY





# HEALTH & WELL-BEING



**Ensure healthy lives and promote well-being for all at all ages**

## HEALTH CENTRE

JGU Healthcare's mission is to help students, faculty and staff to achieve and maintain healthy lives, and restore wellness/health to maximum attainable levels by providing best primary medical care. Awareness on prevention and early detection of diseases, wellness and promoting healthy living practices through lifestyle modifications is a routine via emails, media, verbal discussions, and pamphlets. JGU Healthcare is headed by an eminent consultant surgeon, and a team of well-experienced residential medical officers, and nursing staff is available 24/7 for providing health services to the JGU community with care, compassion, and commitment.

## PARTNERSHIPS FOR SUBSIDISED HEALTHCARE

JGU Health Centre has established local collaborations, ensuring access to specialised healthcare services for our students, staff and their family members. Tie-ups with prestigious hospitals enhance the quality of healthcare services provided for the betterment of health for all. An in-campus pharmacy ensures the availability of quality medical equipment and medicines required by students, staff and their family members. There are regular health checkup camps at subsidised prices.



## CENTRE FOR WELLNESS AND COUNSELLING SERVICES

Counselling is a journey of the client and therapist. It is a process of sharing, listening, talking, and guiding in an environment of mutual trust and respect. CWCS offers a strictly confidential environment wherein an individual can share his/her thoughts, emotions, and concerns with the hope of coping with what has been challenging to them. It provides everyone with a space free of judgement and labelling. CWCS provides both individual and group counselling services to the students, faculty, and staff members of JGU. Our Counsellors provide crisis intervention, psychometric assessments, short-term psychotherapy, group therapy, meditation & relaxation, and referral services. We also offer consultation to students, faculty, and staff who are concerned about the well-being of other students. In addition to its counselling services, CWCS establishes continuous engagement with the JGU community through its awareness and outreach activities.

## PARTNERSHIPS FOR MENTAL HEALTH SUPPORT



### YourDOST

JGU's collaboration with YourDOST aims to act as an enabler in fulfilling academic, social and personal potential of the JGU Community. YourDOST offers a range of services that includes Stress Management; Time Management; Confidence Building; Career Coaching; Relationship Management; Sexual Wellness and much more. The Counsellors will guide everyone in gaining understanding and insight to develop emotional resilience and put into effect real change in individual behaviour, if the circumstances so require.



### 'SUKOON'

'Sukoon' is committed to reimagining the way mental healthcare is delivered in India. They believe that everyone deserves access to high-quality, evidence-based and personalised care. 'Sukoon' firmly believes that mental health is as important as physical health and through a compassionate, personalised approach to mental healthcare, they hope to add deep value to all lives at the JGU.



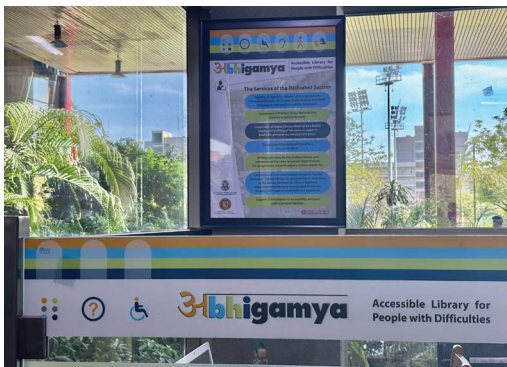
# ACCESSIBILITY



## DISABILITY SUPPORT COMMITTEE (DSC)

JGU endeavours to harness an inclusive learning environment for all its students. Students with a known disability, requiring different academic and other accommodations are required to register with the Disability Support Committee (DSC). The Committee provides a range of accommodations to the conditions identified by the Rights of Persons with Disabilities Act, 2016, Mental Health Care Act 2017 and UGC Guidelines. We provide support to students with a wide range of health and learning related conditions. These conditions include physical and movement-related difficulties, visual impairment, hearing impairment, medical conditions, specific learning difficulties and mental health conditions. The Disability Support Committee maintains strict confidentiality in its discussions and respects the privacy of the students.

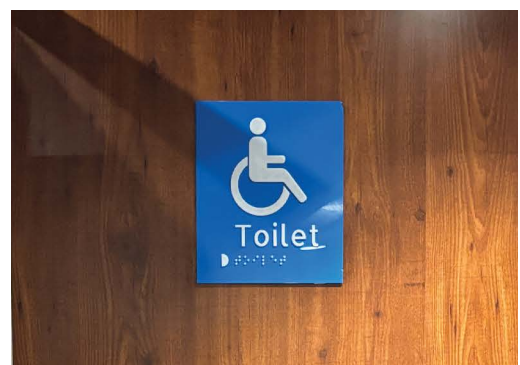
## ACCESSIBLE LIBRARY



The Global Library has an exclusive section, Abhigamya or Accessible Library, for members of the JGU community with special needs. Abhigamya is equipped with devices and software to convert text to digital braille, and audio books and vice versa. The service can be used for online learning as well. Any library material can be converted into digital braille.

## ACCESSIBLE INFRASTRUCTURE

Braille signage in elevators, accessible washrooms, wheelchairs on request, ramps to provide seamless movement and elevators are an integral part of the University infrastructure.





# THE ROAD AHEAD

# KEY PRIORITIES FOR THE NEXT YEAR



## INCORPORATING SDGs INTO ALL CORE & ELECTIVE COURSES

The SDGs are going to be incorporated into all courses taught at existing and new courses across all JGU schools. This project will involve thorough evaluation of the course material and the associated SDGs are going to be according to the Sustainable Development Goals they address. The course manuals will now include these linkages to ensure our teaching tackles real world challenges and to improve awareness amongst the students.

## SUSTAINABILITY GRANT FOR STUDENTS

A new programme will be designed to provide financial support and mentorship for the incubation and piloting of projects within the campus or local communities. Applications aligned with the university's immediate goals and with the maximum impact potential will be prioritised.

## STAFF AWARENESS & EDUCATION

During construction projects, we must start evaluating building materials and have a strict responsible sourcing policy. Our engineers, architects and facility maintenance teams should be encouraged to use products and services that are environmentally friendly, ethically procured and socially responsible. All purchasing decisions and partnerships with external vendors should be carried out after careful consideration of potential harm to the planet and people at any instance. All purchasers must be trained on how to select companies that have healthier and safer labour practices. All administrative departments should take into account the environmental impact of the products or materials purchased and how it may affect our progress towards the net zero target.

## OUTREACH & EVENTS

By involving the student council, various schools and departments, JGU will aim to increase the frequency and breadth of events associated with the SDGs. The events will range from specialised to general and exclusive to the public, so ensure that we involve as many JGU community members, external collaborators like local NGOs and communities as possible. We will host research workshops, guest lectures and publish white papers for a wider audience.





# CLIMATE ACTION PLAN



**Take urgent action  
to combat  
climate change  
and its impact**

## REDUCTION OF CARBON FOOTPRINT

According to UNEP, materials used in the construction of buildings account for around nine per cent of overall energy-related CO<sub>2</sub> emissions. As JGU's infrastructure continues to develop and expand, we have to maintain a ratio of carbon emissions to the Gross Internal Area. As we prepare to measure our Scope 3 emissions, all university-sponsored travel - a major contributor for emissions produced by universities - will be calculated as well.

## MEMBERSHIPS IN SUSTAINABILITY

JGU aims to cement our commitment towards mitigating climate change by joining globally recognized groups committed to the same goal. Participation in these groups will help our teams strengthen our skill sets, learn from best practices from top institutions, highlight our own contributions, exchange ideas and build valuable relationships for cross-border collaborations.

## SMART SUSTAINABLE BUILDINGS - GEOTHERMAL FIELD CONSTRUCTION

The university aims to prioritise sustainability in its future building projects, particularly through the adoption of green building practices. One key strategy to minimise energy usage involves implementing a Geoexchange system. This innovative approach harnesses the earth's natural heat and cooling capabilities via deep borehole drilling, facilitating efficient temperature regulation within buildings. Additionally, low carbon electric heat pumps will be utilised to further enhance energy efficiency.

## LEED CERTIFICATION

Since LEED (Leadership in Energy and Environmental Design) is the world's most widely used green building rating system and is aligned with JGU's goals to make our day-to-day operations sustainable in the aspects of transportation, water, energy, resources and indoor environment quality, the Office of Sustainability will work on acquiring appropriate certifications of our buildings.



## ISO CERTIFICATION

The university is exploring different ISO certifications to benchmark our processes in management, quality and sustainability across different functional units.

## MOVING TOWARDS ZERO WASTE

The university is monitoring the food and general waste produced during campus operations and exploring projects for significantly reducing and recycling waste as well as adopting a zero waste target year.

## AIR QUALITY MONITORING SYSTEM

Air quality index monitoring systems are going to be installed in the campus for daily monitoring of air quality levels for the wellbeing of the community.

## MAKING TRANSPORTATION MORE ECO-FRIENDLY

JGU has set up a three-phase plan for making the commute of visitors, staff and students more environmentally friendly. We will install more EV charging ports and make them accessible to all. We will continue to encourage all staff members to use shuttles instead of their personal vehicles for their daily commute to the campus. We are looking for collaboration opportunities with companies which can support greener travel around the country for our employees.



# GOVERNANCE & ASSESSMENT



**Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels**

Achieving our sustainability targets demands for an extensive interdisciplinary collaboration between the schools and administrative departments of JGU. JGU's sustainability initiatives are overseen by the Office of Sustainability under the guidance of the Dean of Academic Governance.

The Office of Sustainability is a dedicated group of staff working together to promote sustainable practices and initiatives across the university campus and beyond. Founded on the principles of environmental stewardship, social responsibility, and economic viability, the office serves as a catalyst for fostering a culture of sustainability within the university community.

The mission of the Office of Sustainability encompasses various aspects of sustainability, including environmental conservation, resource management, social equity, and ethical governance. The sustainability staff collaborates with schools and administrative units across the university to share best practices and recommendations for ensuring consistent progress towards the Sustainable Development Goals. The team works closely with the Sustainability Committee, Office of Academic Governance and the Chief Administrative Officer to address sustainability related issues.





# THE WAY FORWARD

In every step we take towards planting the seeds of progress, building institutions and transforming lives, we will walk hand-in-hand, shoulder-to-shoulder with everyone we share our purpose with. The colours of collaborations and co-operation will paint our canvas of sustainability which, we hope, will show how best higher education institutions can contribute towards attainment of the SDGs.

In the coming years, we are committed to amplifying our efforts towards a dramatic reduction of carbon footprint and achieving net zero by 2035. After measuring Scope 1 and Scope 2 emissions, we are now preparing the ground for measuring Scope 3 emissions with the aim of closely monitoring the impact of our upstream as well as downstream activities in the value chain.

We are aware that good intentions won't be enough to cut harmful emissions. We will let bold actions to take those intentions to their logical conclusion.

From adoption of green building practices, working for LEED certification, moving towards zero waste and installing air quality monitoring system to making transportation eco-friendly by increasing access to EV charging infrastructure, we are determined to run all our future activities on the track of sustainability.

Topping our endeavours of infusing the multifarious aspects of sustainability in all our activities would be teaching, learning and research. We are not stopping at over 500 courses on SDGs that we already have. To ensure our teaching helps students tackle real world challenges, we are going to incorporate SDGs into all courses taught at existing and new courses across all JGU schools. From providing grants to boost projects focused on sustainability either within the campus or in the local community to increasing awareness among the staff and members of the wider society about the importance of aligning all activities with the SDGs, JGU's action plan is replete with measures meant for leaving our children a world which is far more peaceful and caring than the one we are currently inhabiting.



# CONTRIBUTE/PARTNER WITH US



**Strengthen the means of implementation and revitalize the global partnership for sustainable development**

We welcome potential business and research collaborators globally to encourage a mutually fruitful exchange of knowledge and best practices. Joint initiatives benefit, not only researchers but also student communities, allowing for greater mobility, educational opportunities and representation.

## OFFICE OF SUSTAINABILITY

The Office of Sustainability welcomes all JGU staff, students and alumni across all schools and institutes to keep us informed about any work that contributes to the 17 Sustainable Development Goals.

## OFFICE OF ACADEMIC GOVERNANCE

All Deans of the schools of JGU work closely with the Dean of Academic Governance to fulfil the academic goals and aspirations of each school and the university. The Office of Academic Governance provides leadership and promotes effective functioning of several important offices, including the Office of Sustainability.

## THE OFFICE OF THE DEAN OF RESEARCH (PROJECTS, GRANTS & PUBLICATIONS)

The office has a three-fold focus on projects, grants, and publications, with a particular emphasis on facilitating interinstitutional research collaborations.



Scan the QR code to get in touch.





# JGU RANKED IN TIMES HIGHER EDUCATION (THE) IMPACT RANKINGS 2024

**JGU RANKED FOR 10 SDGs  
2<sup>ND</sup> IN INDIA FOR SDG 16**

With a score of 77.8, JGU stood second for SDG 16 among all the Indian universities which were ranked in the Times Higher Education (THE) Impact Rankings 2024. JGU's stellar performance in areas related to SDG 16 is a testament to the university's significant contribution towards promoting peaceful and inclusive societies through its research, initiatives to ensure transparency and accountability in university governance, collaborations with government bodies to enhance public service delivery, and education which helps the youth to enter professions in law, civil enforcement and related fields.

- JGU has been ranked for 10 SDGs in the THE Impact Rankings 2024 – SDG 2, SDG 3, SDG 4, SDG 5, SDG 6, SDG 8, SDG 10, SDG 12, SDG 16, and SDG 17.
- For SDG 12 and SDG 16, JGU has been ranked 101-200 among all universities in the world.
- For SDG 2, SDG 5 and SDG 6, JGU has been ranked 301-400 in the world.


For these rankings, THE assesses universities against the United Nations' Sustainable Development Goals, using indicators across four broad areas: research, stewardship, outreach and teaching.


## SUSTAINABLE DEVELOPMENT GOALS








**O.P. JINDAL GLOBAL**  
[ INSTITUTE OF EMINENCE DEEMED TO BE  
**UNIVERSITY** ]  
*A Private University Promoting Public Service*


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