




**AMITY**  
UNIVERSITY  
— GURUGRAM —

## REPORT ON SUSTAINABLE DEVELOPMENT GOAL



**SDG 2**  
**Year 2022-23**



Amity University Haryana (AUH) is steadfast in its commitment to the United Nations Sustainable Development Goal 2: Zero Hunger. Our institution fosters a culture of empathy and social responsibility, aimed at improving the lives of vulnerable populations, including children, women, and the elderly.

SDG 2 is a global priority, recognizing the urgent need to ensure food security and eradicate hunger. In response to this imperative, AUH has undertaken several initiatives. Students and faculty members actively participate in food drives, promoting food security and minimizing food waste on campus. Furthermore, our university has established a sustainable agriculture program on our extensive campus land, implementing eco-friendly farming practices.

## TEACHING AND LEARNING

Amity University offers a diverse range of degree programs in Dietetics and Applied Nutrition, including BSc, MSc, and PhD options. To promote public health and wellness, students from the Amity School of Hospitality and the Food Nutrition and Dietetics department organize community outreach programs, educating the public on the importance of healthy and nutritious diets.

To enrich the academic experience, the university offers elective courses in Nutrition and Dietetics. Furthermore, internships are an integral part of the curriculum for students in both the School of Hospitality and the Nutrition and Dietetics department, providing valuable practical experience.

PROGRAMME NAME	LINK
B.Sc. (Dietetics & Applied Nutrition)	<a href="https://www.amity.edu/gurugram/bsc-dietetics-applied-nutrition">https://www.amity.edu/gurugram/bsc-dietetics-applied-nutrition</a>
M.Sc. (Dietetics & Applied Nutrition)	<a href="https://www.amity.edu/gurugram/msc-dietetics-and-applied-nutrition">https://www.amity.edu/gurugram/msc-dietetics-and-applied-nutrition</a>
Ph.D. in Dietetics & Applied Nutrition	<a href="https://amity.edu/phd/campuses.aspx">https://amity.edu/phd/campuses.aspx</a>
Bachelor of Hotel Management	<a href="https://www.amity.edu/gurugram/bachelor-of-hotel-management">https://www.amity.edu/gurugram/bachelor-of-hotel-management</a>

## RESEARCH


SDG 2 aims to end hunger, achieve food security, and improve nutrition. To achieve this ambitious goal, research and innovation are essential. Faculty members and students are actively participating in the key areas of research significant to SDG2 addressing Zero Hunger: List of few research publications in terms of journal papers, books/ book chapter and patents are given below in tables.



<b>S. No.</b>	<b>Name of Faculty/Scientist</b>	<b>Title of paper</b>	<b>Name of Journal</b>	<b>Research Paper/Article or any thing which you would like to mentioned</b>	<b>National/ International</b>	<b>Date of Publication (DD-MM-YYYY)</b>	<b>Year of Publication</b>
1	Dr Pooja Thakur	Impact of Liquor Ban on Scheduled Caste Women and Children in Bihar, Review of Research	Review of Research	Resercah article	international	Jan-22	Jan-22
2	Dr Pooja Thakur	"Self Help Groups a Game changer in Women's Lives in Bihar"	Janak: A Journal of Humanities	Resercah article	International	2022	2022
3	Dr. Anu Gauba	TRENDS AND ISSUES IN PUBLIC HEALTH	WORLD JOURNAL OF ADVANCE HEALTHCARE RESEARCH	ORIGINAL ARTICLE	International	JAN, 2022	JAN, 2022
4	Dr. Anu Gauba	Systematic Review of Neonatal Pain Management with 25% Dextrose Versus Direct Breast Feed Milk During Painful Procedure.	Indian Journal of Public Health Research & Development	RESEARCH ARTICLE	International	JAN, 2022	JAN, 2022
5	Dr. GK Rao	Natural protein-based electrospun nanofibers for advanced healthcare applications: progress and challenges	3 Biotech	Research Article	International	2022	2022
6	Dr. Hariprasath Pandurangna	Role Transition Experiences of Newly Graduated Nursing Students in Oman- a Cross-Sectional Study	International Journal of Early Childhood Special Education	Research Article	International	Apr 2022	Apr 2022
7	Dr. Luxita Sharma	Fortification of traditional rice vermicelli with the plant greens to enhance its nutritional value	International Journal of Biology, Pharmacy and Allied Sciences	Research paper	International	2022	2022
8	Dr. Luxita Sharma	Potential role of tinospora cordifolia in management of COVID-19: A systematic review	International Journal of Health Sciences,	Research	International	27-Jun-22	27-Jun-22

## BOOKS & BOOK CHAPTERS

S. No.	Name of Faculty/Scientist	Title of Book Chapter	Title of the Book	Book / Book Chapter	National / International	Date of Publication (DD-MM-YYYY)	Year of Publication	Evidence (Upload) • Web Link of the Paper • Any additional information
1	Dr. Luxita Sharma	Book	Psycho Nutrition Fevers and Immunity ( Nutrition and COVID 19)	Book	National	2022	2022	
2	Dr. Luxita Sharma	Book Chapter	Role of Functional Foods in Cardiovascular Disease Prevention	Book Chapter	International	02-Dec-22	02-Dec-22	<a href="https://doi.org/10.1007/978-981-19-2366-1_18">https://doi.org/10.1007/978-981-19-2366-1_18</a>
3	Dr. Luxita Sharma	Book Chapter	Role of Functional Foods in Human Health and Disease Prevention	Book Chapter	International	02-Dec-22	02-Dec-22	<a href="https://doi.org/10.1007/978-981-19-2366-1_14">https://doi.org/10.1007/978-981-19-2366-1_14</a>
4	Prof. (Dr) Indu Shekhar Thakur	Book Chapter	Nitrogen and phosphorus management in cropland soils along with greenhouse gas (GHG) mitigation for nutrient management	Book Chapter	International	2022	2022	10.1016/B978-0-12-823500-3.00014-5
5	Subrata Pal	Chapter	Aromatic Photography : Possibilities in Future Food Marketing	Chapter	National	2022	2022	



6	Dr. Kaustav Bandyopadhyay	Chapter	Early Stages of Seed Development in Medicago truncatula : Lessons from Genomic Studies.	Chapter		2022	2022	<a href="https://link.springer.com/chapter/10.1007/978-3-030-90757-0_11#citeas">https://link.springer.com/chapter/10.1007/978-3-030-90757-0_11#citeas</a>
7	Dr. Kaustav Bandyopadhyay	Chapter	Seed Maturation Events in Medicago truncatula : Focus on Desiccation Tolerance	Chapter	International	2022	2022	<a href="https://link.springer.com/chapter/10.1007/978-3-030-90757-0_12">https://link.springer.com/chapter/10.1007/978-3-030-90757-0_12</a>

## PATENTS


Sr. No.	Name of Inventors	Title	Complete/ Provisional	Date of Submission	Application No.	Patent Published	Status
1	Luxita Sharma , Dhananjay Sharma, Amity Medical School, AUH, Manesar. E-mail: lshrama@ggn.amity.edu, Ph: 9717296338	'A FICUS RELIGIOSA SOUP POWDER COMPOSITION WITH PROTEIN ISOLATE AND METHOD THEREOF'	Provisional	15-07-2022	202211040599	19-01-2024	Published
2	Luxita Sharma, Dhananjay Sharma, AUH, Manesar	"A HIGH FIBER PICKLE DEVELOPED FROM FICUS RELIGIOSA"	Registered	01-Jul-22	L-120840/2023	27-01-2023	Filed

## HEALTHY AND AFFORDABLE FOOD CHOICES

Amity University Haryana is dedicated to promoting the health and well-being of its students and the local community. The Faculty of Nutrition and Dietetics oversees the quality and safety of food served on campus, ensuring that it meets the highest standards of nutrition and hygiene. The Amity School of Hospitality Management provides catering services for a range of campus events, offering a variety of healthy and delicious meal options. To accommodate the diverse dietary needs of students, the campus offers eight different food service points.

<https://www.amity.edu/gurugram/cafeteria-and-food-courts>



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1. Rupeats (Mess)
  2. Cook House (Cafeteria)
  3. Sanskriti (Cafeteria)
  4. Deja Brew (Cafeteria)
  5. Military Canteen
  6. Hashtag (Food Van)
  7. Dosa Plaza
  8. Fruit & Juice Shop



Amity University campuses offer affordable, nutritious vegetarian meals. The typical One Deluxe Thali costs approximately Rs. 90 (about \$1). Menus and prices are determined in collaboration with university administration, student representatives, and cafeteria vendors.

To ensure food safety and hygiene, cafeterias adhere to strict guidelines. A variety of food options, including fruit juices, shakes, and hot/cold beverages, are available at three cafeterias, a fruit juice shop, a food truck, and eateries within the hostel complex. These outlets operate from 8 AM to 9:30 PM daily. Additionally, hostel blocks have tuck shops (open until 11:30 PM) and 24/7 snack vending machines for convenience.







## ETHICAL AND SUSTAINABLE FOOD PURCHASES

AUH campus contributes to the local community by producing fresh, organic food. The agricultural land yields a variety of produce, while the dairy farm provides fresh milk. The farm's approximately 94 cows produce around 180-190 liters of milk daily, benefiting university faculty, students, and nearby residents.



*Variety of cows in the dairy farm at AUH*



The cowshed showcases innovative approaches to sustainable agriculture. A 3 cubic meter biogas digester transforms cow dung into biogas for cooking, and the bio-slurry enriches the soil. A biogas-powered lamp illuminates the organic vegetable garden, demonstrating the farm's commitment to harnessing renewable energy sources.



*Inauguration of Bio-light at AUH, 6th Aug 2021*

## **EVENTS AND OUTREACH**

Guest Lecture on Microbial Molecular Diagnostics & Antimicrobial Resistance

Department of Medical Lab Technology, Amity Medical School, Amity University Gurugram organized guest lecture on Microbial Molecular Diagnostics & Antimicrobial Resistance held on 25th May 2023.

Dr. Priyanka Sharma, Ph.D., Microbiologist & Bioinformatics Researcher at Indian Council for Medical Research (ICMR), New Delhi talked about introduction of molecular techniques, its broad prospective and need of novel research for dealing with infectious diseases. The lecture was very knowledgeable to the students and faculties with comprising the molecular techniques, its need and steps to conduct good research.

A session of question and answer was arranged in which participants asked their questions and were clarified by the guest greatly.

Total 50 students 3 faculties attended the lecture. Overall, it was very informative session.





Amity University Haryana  
Amity Medical School  
Department of Medical Laboratory Technology

*Invites you to attend*

Guest Lecture by  
**Dr. Priyanka Sharma, Microbiologist &**

Bioinformatics Researcher, Indian Council for Medical Research  
(ICMR), New Delhi



**"Microbial Molecular Diagnostics & Antimicrobial Resistance"**

25th May 2023 from 11:30AM-12:30 PM

Venue: D-423, D Block, 4<sup>th</sup> Floor, AMS, AUH

*Join us and update your knowledge on challenges & possible solutions for  
Antimicrobial Resistance with advancement in Microbial Molecular Diagnostics*

For more information & query please contact-

Event Coordinator

Dr. VIKRAM SINGH

HOD, Medical Lab Technology (MLT)  
Amity Medical School, Amity University Haryana  
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## **AMITY MEDICAL SCHOOL ORGANIZED ONE DAY WORKSHOP AND RECIPE COMPETITION HELD ON 19TH MAY 2023**

Department of Dietetics and Applied Nutrition, Amity University Gurugram, organized one day workshop and Recipe Competition on theme "Millet with Maggi masala-ae-magic" by Nestle Maggi held on 19th May 2023.

The event was organized to make students create innovative recipes with millets and Maggi Masala-e-magic selected by Nestle Maggi team. The method and ingredients used in cooking healthy and nutritious recipes was observed by the panel of judges. The students had kept all the ingredients ready for easy preparation and cooking of their recipes and were seen very enthusiastic while cooking their dish. Some students were even seen cooking regional cuisines and all the participants came up with creative and nutrient rich millet incorporated recipes. Ms. Vinny demonstrated various healthy recipes by using different nestle products like steamed dahi pudding, nutri chaat, schezwan noodles.

Winner of the competition are Ms. Divya, MDAN 4th semester, won the first prize. 2nd prize was given to Ms. Kunika, MDAN 4th semester. Mr. Dhananjay Sharma, Ph. D. scholar won the 3rd prize. Consolation prize was given to Ms. Riya Yadav, BDAN 2nd semester.





## WORKSHOP ON DIGITAL DIET CALCULATION FROM NSR-NUTRICAL

Department of Dietetics & Applied Nutrition organized workshop on **Digital Diet Calculation from NSR-NUTRICAL held on 9th May 2023**. The main objective of the program was to provide the more practical approach of diet planning to the DAN students. Mr. Nikesh Kumar, Consultant, Nutrition Research , NSR-Nutri Edu Tech Solutions Pvt. Ltd. Jain has started the workshop by giving brief of his company and its vision and mission. After that practical demonstration of the tool has been provided to the students. After the session, questions asked by students has been answered by the guest. Total 58 students and 3 students attended the session.





## **EDUCATIONAL VISIT TO MEDICINAL GARDEN FACILITY AT AUH ORGANIZED BY AMITY INSTITUTE OF PHARMACY ON 29TH MARCH 2023**

The Amity Institute of Pharmacy (AIP) organized an educational visit to the Medicinal Garden Facility at Amity University Haryana on 29th March 2023. The event aimed to provide students with practical knowledge and insights into the therapeutic applications and various dosage forms of medicinal plants. Dr. Arun Mittal, Associate Professor at AIP, and Dr. Asim Kumar, Assistant Professor at AIP, served as the event coordinators, ensuring the successful execution of the visit.

During the visit, students had the opportunity to explore the Herbal Garden Facility at Amity University Haryana. They gained a real-time experience of observing the medicinal plants and their morphological features. The students were introduced to the genus, species, and medicinal uses of these plants. Dr. Mittal provided detailed explanations of the potential dosage forms that could be derived from these plants, as well as the active chemical constituents present and their pharmacological effects. The cultivation methods and processing techniques of medicinal plants were also discussed, with a particular emphasis on extraction techniques.



Amity Medical School & Dept. of Dietetics and Applied Nutrition Organized webinar on "Optimizing Nutrition for Good Health" by Ms. Shilpa Thakur Chadha, Senior Consultant Dietician, Asian Hospital



Amity Medical School & Dept. of Dietetics and Applied Nutrition Organized webinar on "Optimizing Nutrition for Good Health" by Ms. Shilpa Thakur Chadha, Senior Consultant Dietician, Asian Hospital

On August 17, 2022, a webinar was organised by Amity Medical School's Dietetics and Applied Nutrition department with Dr. Luxita Sharma, Associate Professor and Head as the coordinator

of the programme. "Optimizing Nutrition for Optimal Health" was the focus of the webinar with Ms. Shilpa Thakur Chadha, Senior Consultant Dietician, Asian Hospital. The Amity Medical School faculty, as well as undergraduate and graduate students, took part in this webinar.

The Amity Medical School hosted the webinar online on August 17, 2022. At the beginning of the event, Dr. Deepika Dhawan greeted the special guest and briefly introduced her. Attending the occasion were all of the HODs, faculty, Ph.D. scholars, and students from the Amity Medical School. Ms. Shilpa Chadha Thakur began the discussion by outlining the idea of nutrition and its foundational science. She continued by talking about the importance of nutrition for leading a healthy lifestyle and outlining the best nutritious meals to pick from. She gave advice on how to maintain good health. In the conclusion, Ms. Shilpa Chadha Thakur responded to numerous questions that students and faculty members had regarding the subject.

The significance of diet for optimum health was taught to students. Students improve their health and wellness by learning the fundamentals of nutrition. The information from the session would be helpful for the students while advising and counselling patients and clients, as well as in hospitals, the food business, and other settings. The activity was a success, as the children learned new information and had all of their questions about a balanced diet answered.



## COMMUNITY OUTREACH

Amity University Haryana (AUH) is dedicated to sustainable food practices and community engagement. The university has implemented a food waste reduction program, tracking food consumption patterns in campus canteens and cafeterias. An average of 40 kg of uneaten food is recovered daily and distributed to nearby underserved communities.

The student club Saakar, in collaboration with the Robin Hood Army, has been actively involved in addressing food insecurity. The club has successfully distributed food packets to 4 million individuals, contributing to the achievement of SDG 2.

Amity Medical School plays a vital role in promoting public health and nutrition education. Faculty members, including Dr. Luxita Sharma, have been instrumental in educating the local community about the prevention and management of malnutrition, healthy cooking techniques, and the dietary needs of diverse populations. Dr. Sharma's significant contributions to community health have been recognized with an award.

**Amity College of Nursing, Amity University Gurgaon, Organized Family Planning Awareness Campaign for the students.**



*Students explaining about Family Planning to the audience with the help of play and charts*

Amity College of Nursing, Amity University Gurgaon, orchestrated an awareness program on 'Family Planning' for B.Sc Nursing 5th-semester students on September 1, 2022. The primary objective was to impart knowledge to antenatal and postnatal mothers about various Family Planning methods, discussing their types, and emphasizing the importance of adopting such methods.

The initiative commenced with the assembly of antenatal and postnatal mothers attending the Antenatal and Gynecology OPD. The event's title and theme were introduced to the audience through a chart presentation and a speech. The students elucidated the significance, types, and techniques of different family planning methods using engaging and informative tools such as role plays and comprehensive audio-visual aids. The coverage included aspects like introduction, importance, advantages, types, and techniques of various family planning methods.





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