

# Report on SDG 3

## Progress Towards Health and Wellbeing



Daffodil International University

September 2023

# Progress Towards Health and Wellbeing

**SDG3:**

Sustainable Development Goal 3, regarding "Good Health and Well-being", is one of the 17 Sustainable Development Goals established by the United Nations in 2015. The official wording is: To ensure healthy lives and promote well-being for all at all ages.

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## Progress Towards Health and Wellbeing

### DIU's Contributions & Progress:

Number of Graduates in Health disciplines	800+
Total graduates in all disciplines	5300+
Number of academic departments in public health disciplines	3
Publication of Academic Journal: DIU Journal of Allied Health Sciences	2 Issues
Number of Students in Health disciplines	Around 2,500
Number of Total Students	Around 17,000

### Smoking Free Campus

DIU has implemented a smoking-free campus policy guidelines to ensure a healthy environment within and surrounding of the campus.



Policy guidelines link: <https://sustainability4d.daffodilvarsity.edu.bd/guidelines-on-smoking-free-campus>

### Collaboration with World Health Organization (WHO) for Technical Support for the 5th Malaria Joint Monitoring Mission (JMM-5):

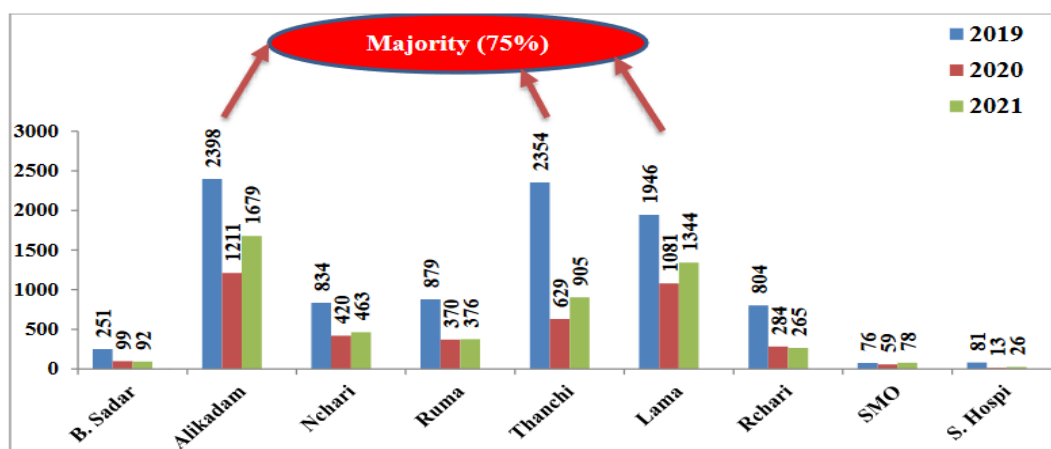


Figure-3: Bandarban Upazila-wise Case Distribution: 2019 – 2021

Under the collaboration between World Health Organization (WHO) and DIU, the Public Health Department of the university provided unbiased recommendations for the National Malaria Elimination efforts in the country. The DIU researchers contributed to the:

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1. analysis of existing program data, and relevant documents pertaining to health systems, private sector, other public sector organizations to provide relevant recommendations, based on their expertise local knowledge.
2. expert technical inputs based on relevant local context to develop the checklists, and other technical documents during the preparatory phase of the JMM.
3. field visits to Dhaka/Gazipur, Bandarban, Cox's Bazar, Rajshahi / Chapai Nawabganj, Sylhet etc. stakeholder meetings, dissemination meetings to support the national program and international experts in their technical and advocacy efforts.
4. drafting of the final JMM-5 report and include relevant implementable recommendations, based on their knowledge of the country context.

### International Collaborations:

<b>Harvard Medical School, USA</b>	Working with Dr Abdulla Al- Mamun of Harvard Medical School, USA and Dr Moniruddin Chowdhury of AIMST University, Malaysia, in a research project entitled “Challenges and prospects for stem Cells therapy: A qualitative investigation”.
<b>Birmingham City University, United Kingdom</b>	a. Research collaboration with Dr Salim Khan, Department for Therapies and Public Health, Faculty of Health, Education, and Life Sciences, BCU, UK, entitled “Religiosity and Its Association with the Pattern of COVID-19 Management and Prevention Strategies among the COVID-19 Positive Patients in Urban Bangladesh” b. DIU MPH students conducted 20 researches in collaboration with Dr Salim Khan, Head, BCU, UK.
<b>University of illinois urbana-champaign, USA</b>	Working with Dr Omar Khaium in a research project entitled” Mental Health Status, Familial and, Social, Workplace Challenges, and Perceived Preventive Coping Strategies among Higher Socio-Economic Married Working Women in Bangladesh: A Qualitative Investigation”
<b>University of New Mexico, USA</b>	Conducting research with Md. Shahinuzzaman, PhD Fellow, on ‘The relationship between counterintuitive workplace behaviour by employees and health and safety management systems in the readymade garment industry of Bangladesh’
<b>Texas A&amp;M University College of Medicine, USA</b>	Doing research with M. Nasir Uddin, PhD, FAHA, Professor of Medical Physiology on Lung Cancer.
<b>AIMST, Malaysia</b>	Working with PROFESSOR DR SRIKUMAR P S and Prof. Moniruddin Chowdhury in the project titled ‘Medical Education in Bangladesh: Current Problems and the way forward’.

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### Collaboration with Bangladesh Medical Research Council



The Public Health Department of DIU has been conducting a research project entitled “Health problems of University Students Due to Smartphone Addiction” in collaboration with Bangladesh Medical Research Council (BMRC) under HPNSP. Prof. Dr. Md. Shahjahan from the Public Health Department of DIU is leading the project to identify the health-related problems resulting from excessive use of smartphones and how the problem can be solved.

### National Collaborations:

<b>Bangabandhu Sheikh Mujib Medical University (BSMMU), Dhaka</b>	Working with Dr Sayeed Ahmed, Consultant, BSMMU in research project entitled “Mental health problems and hypertension in the elderly: Barriers to Hypertension Control: a mixed method approach”.
<b>Shaheed Monsur Ali Medical College, Dhaka</b>	Involved with Dr. Mosharof Hossain, Registrar, Shaheed Monsur Ali Medical College, in a research project entitled “Investigating the Nutritional Status among the Adolescent Girls living in the Slums and Its Association with Mental Health: A Mixed Method Approach”.
<b>Bangladesh University of Engineering &amp; Technology (BUET), Dhaka</b>	Working with Pro Dr Md. Mahabubul Alam Talukder of Accident Research Institute, BUET, in a research project entitled “Compliance Level of Tobacco Control Law in Public Transportation: Realizing Ways to Overcome”.
<b>Sheikh Russel National Gastroenterology Institute &amp; Hospital, Dhaka</b>	Working with Dr Md Ismail Gazi of Sheikh Russel National Gastroenterology Institute & Hospital in few research projects entitled “Traditional healing practices for jaundice in Bangladesh”.

### Local Collaborations of DIU Medical Center to ensure Good Health and Wellbeing of Students and Staff

1. The DIU Medical center has local collaboration with CARDIO CARE SPECIALISED & GENERAL HOSPITAL, UTTARA, DHAKA. Under the collaboration, every student, Teachers, and Employees get a 30% discount on every medical test and consultancy.



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2. The DIU Medical center has local collaboration with IBN SINA DIAGNOSTIC & IMAGING CENTER. Under the collaboration, every student, Teachers, and Employees get a 30% discount on every medical test and consultancy.

Link: <https://daffodilvarsity.edu.bd/medical/medical-center-collaboration>

### Collaboration with National Liver Foundation (Bhabanipur Project)



In order to create a research hub where different public health interventions will be able to apply, the Department of Public Health of Daffodil International University has been working in collaboration with the National Liver Foundation at Bhabanipur area located at Birulia, Savar of Bangladesh.

### Collaboration with BCSIR, Government of Bangladesh

The Department of Public Health of DIU has been working with the Bangladesh Council for Scientific and Industrial Research (BCSIR) on a research project entitled “Seroprevalence Survey of anti-SARS-CoV-2 IgG antibodies response in Bangladesh: A population-based epidemiological study”.



### Collaboration with WHO-Bangladesh to Organize WHO's World Health Assembly Simulation 2023



As part of celebration for 75<sup>th</sup> anniversary of WHO, Bangladesh Medical Students' Society (BMSS) in partnership with the Department of Public Health of Daffodil International University organized the mega event on "WHO Simulation 2023" with support from the World Health Organization Bangladesh. The WHO Simulation 2023 was an opportunity for the medical students to come together and share their experiences and knowledge to better prepare for and respond to health emergencies.

WHO Link: <https://www.who.int/bangladesh/news/detail/16-05-2023-who-s-world-health-assembly-simulation-2023>

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### Outreach Activities on Health Issues:

#### The Hepatitis 'B' Virus or Liver Cirrhosis Immunization Program Arranged by DIU



One in every twelve people of the world are affected by Hepatitis 'B'. The Hepatitis 'B' Virus or Liver Cirrhosis Immunization Program was arranged by Social Business Students' Forum (SBSF) of DIU and managed by Family and Community Empowerment Support (FACES). This was organized as part of DIU's social responsibility with the motto of elimination of hepatitis B thinking about the health and safety of everyone including the students of the University. The three doses of the vaccine were given by arranging three camps between May to August 2022. More than one thousand students, employees, faculty and local community people got Hepatitis 'B' vaccine under the program. There is a need to be fully aware of this virus and getting vaccinated against 'Hepatitis B' virus helps to protect ourselves and our surroundings, and our families

#### Daffodil Bandhushobha (Student Club) provides free healthcare Services to Local Community

Daffodil Bandhushobha has provided free healthcare to more than two hundred poor and underprivileged people in the areas adjacent to Daffodil International University in Ashulia, Dhaka. On the occasion of Prothom Alo's 25th anniversary, this program was held on October 31 as a part of 'One Good Work'.



#### Community Awareness Programme on Dengue Disease





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A community awareness programme to prevent the deadly outbreak of Dengue Disease in Bangladesh was organized by the Department of Public Health of Daffodil International University. A rally was held with the presence of DIU Vice Chancellor, Deans, Heads, Faculty, Employees and students. The team also went home to home of loca community to make them aware of the dengue fever, its causes, remedies and preventive measures to interrupt the massive outbreak of the disease.

### Collaboration with Ministry of Health, GoB to Prevent Massive Outbreak of Dengue Disease



A scientific seminar on 'Dengue: Country Overview and Clinical Management' was held in the Daffodil Smart City, Ashulia on 23 June 2022, which was organized by the Department of Public Health, Daffodil International University (DIU), supported by the Directorate General of Health Services (DGHS), Ministry of Health and Family Welfare, Government of Bangladesh. The country's renowned entomologist and Professor of Jahangirnagar University Professor Dr. Kabirul Bashar delivered the keynote paper at the seminar.



### Community Health Outreach: Free Check-up Campaign in Daffodil Smart City

Daffodil International University, in alignment with UN Sustainable Development Goals, conducted a successful "Community Health Outreach" event, focusing on Goal 3 (Good Health and Well-being) and Goal 17 (Partnerships for the Goals). Collaborating with the DIU Medical Center and Department of Public Health, the event provided free medical check-ups, healthcare advice, and educational sessions to over 120 local residents. The university's commitment to social responsibility and access to quality healthcare was evident in this initiative, which marks the beginning of ongoing efforts to support the community's well-being. Stay tuned for more updates on their mission to create a healthier and happier community.

### DIU Faculty Contributed to the Major Medical Journals of Bangladesh





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Prof. Dr. Md. Shahjahan, Department of Public Health Department of Daffodil International University contributed to the workshop on "Orientation of Editors and Reviewers of Four Major Medical Journals of Bangladesh " as an expert in this field. He is also contributing to the DIU Journal of Allied Health Sciences.

### DIU Medical and Fitness Center:

Medical Center	01 (with required amenities)
Emergency Health support	Yes
Ambulance service in campus	01 (24/7)
Full time doctors (Resident)	03 (MBBS)
Full time nurses (Resident)	03
Full time Psychologists	02
Number of students received healthcare services	2000+
Number of staff received healthcare services	500+
Number of students received fitness/Gym facilities	1000+
Number of staff received fitness/Gym facilities	100+
First Aid Box	Available in every department

Daffodil International University (DIU) strictly complies with emergency as well as first aid as and when needed. DIU Medical Center always aims at ensuring prompt healthcare support for all the Students, Teachers, Officers and Staff. DIU has full-time doctors and psychologists who are dedicatedly serving to ensuring the physical health and mental health fitness of its students, staff, and faculty members.



A 3-storeyed well-equipped DIU Medical Centre is situated in both main campuses and at the permanent campus. Students, teachers and other employees receive treatment & medical advice here.

Link: <https://daffodilvarsity.edu.bd/medical/diu-medical-center>

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### DIU Ambulance service:

Link: <https://drive.google.com/file/d/107wygkITaRtg6BqcbmhqwGG33DI3XtNq/view?usp=sharing>

### DIU Medical Center sexual and reproductive health-care services



DIU Medical Center provides sexual and reproductive health-care services including information and education services. The center has full time doctors (both male and female) to provide necessary sexual and reproductive health-care services of both male and female students and employees. The local residents also get sexual and reproductive health-care services on some programme basis.

Details	Picture	Details	Picture
Dr. Aysha Akhter M.B.B.S (Army Medical college Jashore), CMU Medical Officer		Dr. Md. Fazlay Rabbi Rakib MBBS(DU),CMU,NTOM, AO(SWITZERLAND) Medical Officer	
Sushanta Kumar Ghose Physiotherapist Email: physiotherapist@daffodilvarsity.edu.bd		Ruhul Amin Razu Medical Assistant Email: ruhul.mc@daffodilvarsity.edu.bd	
Neha Azmiry Medical Assistant Email: neha.mc@daffodil.hospital		Toufika Jahan Medical Assistant Email: toufika.mc@daffodil.hospital	

Medical doctors and nurses 24/7

List of Medical Staff: <https://daffodilvarsity.edu.bd/medical/medical-personnel>

### Collaboration with Government on Premarital Sexual Behavior and associated risk on reproductive health Research



Dr. Md. Kamrul Hossain, Associate Professor of DIU, as a consultant, collaborated with the Planning Commission under the Ministry of Planning, Government People's Republic of Bangladesh in research on premarital sexual behavior and associated risk on reproductive health. He also delivered a presentation on the perception of female students of universities on premarital sexual behavior and associated risks

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on reproductive health at the Social Science Research Council of the Planning Commission highlighting the findings and recommendations of the research project. The findings of the research project will pave the way for reducing the risk associated with premarital sex and reproductive health of females.

**Academic Program on Sexual Health offered by Public Health Department of DIU: Course code: MPH-5145**

Link: <https://daffodilvarsity.edu.bd/departement/ph/program/23/2/graduate>

### **Collaboration with KIT Royal Tropical Institute, Netherlands on Sexual and Reproductive Health and Rights (SRHR)**

A seminar on the “Resilience through Information on SRHR & Empowerment (RISE) Programme” was held in the Daffodil Smart City, Ashulia on 09 November 2022 in collaboration with KIT Royal Tropical Institute, Amsterdam, Netherlands.



Anke Van Der Kwaak, Team leader on Sexual and Reproductive Health and Rights, KIT Royal Tropical Institute, Amsterdam and Ophelia Chatterjee, SRHR Expert, KIT Royal Tropical Institute, Amsterdam, Netherlands conducted a session on Sexual and Reproductive Health and Rights. The students of different departments of DIU had an opportunity to interact with the SRHR experts and learnt a lot on Sexual and Reproductive Health care services.


### **Support Service by DIU Psychological Center**

The professional mental health experts of DIU Psychological Center help us to reveal the insight and understanding of DIU’s students, faculty members, and administrative employees’ difficulties and make a positive change scientifically. The services of the center facilitate transformation as a self-independent person, and to deal with different kinds of life challenges effectively.

1000+ students received mental health support and psychological support services from the center in 2022
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60+ Staff received mental health support and psychological support services from the center in 2022
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<p><b>Bilkis Khanam</b></p> <p>Psychologist Office of the Director of Students' Affairs Daffodil International University Contact: 01847140065 Email: <a href="mailto:psychologist@daffodilvarsity.edu.bd">psychologist@daffodilvarsity.edu.bd</a></p>	
<p><b>Rakibul Hasan Sourav</b></p> <p>Psychologist Office of the Director of Students' Affairs Daffodil International University Contact: 01847334932 Email: <a href="mailto:psychologist2@daffodilvarsity.edu.bd">psychologist2@daffodilvarsity.edu.bd</a></p>	

The center provides psychological counseling and mental health support to all students, faculty members, and administrative employees of DIU. Whatever the case will be, DIU's psychologists carefully listen to their concerns and strive to assist them in developing strategies that help to deal with mental challenges.

**DIU Psychological Center link:** <https://dsa.daffodilvarsity.edu.bd/index.php/services-we-offer>

### Courses Available at DIU Psychological Center:

1. Course: Compassionate Communication: A Psychological Approach to Improve Relationship
2. Course: Overcoming Procrastination: Become More Productive
3. Course: Anger Management
4. Course: How to Say No and How to Propose

**Course link:** <https://dsa.daffodilvarsity.edu.bd/index.php/psychological-resources>

### Events and Training on Mental Support Organized by DIU Psychological Center:



To observe World Suicide Prevention Day 2023, DIU Psychological Center organized an awareness session on "Creating a Supportive Campus Community". Our talented Well-being Warriors peer support team showcased role plays and engaging dialogues to educate and raise awareness among participants.



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The Interactive Session on "Performing Arts and Life" for mental wellbeing was conducted by two visiting experts Mr. Ashesh Malla, Director & Founder, Sarvanam Theater & Dr. Sabitri Kakshapati, Professor of theater & Literature, Trivubhan University.



A day-long training session on- Basic Psycho-social Support Skills for Teachers was conducted by Dr. Lipy Gloria Rozario, Counseling Psychologist and Faculty, Department of Educational and Counseling Psychology, University of Dhaka. The session was attended by more than 30 faculty members of DIU to be introduced with the basic psycho-social support skills & techniques for responding to students' psychological & emotional issues so that they can identify students in need of additional academic or personal counseling.



DIU Psychological Center in collaboration with Friedrich Naumann Foundation (NGO) organized a 4 days long residential workshop on The Art of Being More Tolerant

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DIU Psychological Service Center organized a workshop on "Mindfulness" with the aim of helping participants to gain attentional control, cultivate a nonjudgmental perspective of emotions, thoughts and body sensations and increase the ability to live in the present moment fully rather than focusing on the past or future. 30 students from different departments attended this workshop.



DIU Psychological Service Center arranged a workshop on ANGER MANAGEMENT & EMOTIONAL GROWTH to help the students learn the anger management skill and lead them toward their emotional growth.

### Free Certificate Short Course on "Boost Your Mental Well-being"



**Syed Mizanur Rahman**  
Director, Students' Affairs  
Daffodil International University



**Md. Ejaj-Ur- Rahaman**  
Deputy Director  
Human Resource Development Institute - HRDI



**Md. Abu Tareque**  
Psychologist  
Daffodil International University



**Bilkis Khanam**  
Psychologist  
Daffodil International University

For taking care of our minds, we all should know how we can keep our minds free and out of stress. From the psychological aspect, taking care of our mind is not that easy and not that too staffy. To know what kind of steps we should take to take care of our minds and families with the best basic knowledge of psychology, the Psychological Service Center under the Office of the Director of Students' Affairs (DSA Office) offers a short certificate course for the students for overcoming the situation and giving instant support to their family with free of cost.



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Link: <https://pd.daffodilvarsity.edu.bd/event/boost-your-mental-wellbeing-2020-06-19-2020-06-26-62/page/introduction-certified-short-course-boost-your-mental-wellbeing>

### Seminar on how to Manage Your Mind and Achieve Your Best Self



Dr. Moniruddin Chowdhury, Associate Professor, Faculty of Medicine, AIMST University, Malaysia delivered his insightful as well as thoughtful lecture on how to Manage Your Mind and Achieve Your Best Self to ensure the mental health of the students. The students received life-changing motivation and directives to improve their mental health and shape their future careers.

### Research Project on Mental Health Status and its Determinants among Higher Socio-Economic Married Working Women in Bangladesh



Mr. Md. Imdadul Haque, Assistant Professor, Department of Public Health, DIU is conducting research on Mental Health Status and its Determinants among Higher Socio-Economic Married Working Women in Bangladesh in connection with Md. Golam Dostogir Harun, Associate Scientist, Emerging Infections, Infectious Diseases Division, icddr,b and alumnus of DIU. One of the MPH students, Ms. Mukta Rani, is also working on the research project under their guidance.

#### Contributions to Knowledge:

The researchers of Daffodil International University conducted research and subsequently published the research results in reputed journals that contributed to the knowledge domain of SDG-3. Below is a highlight of such contribution:

SL	Article Title
1	Essential oils as valuable feed additive: A narrative review of the state of knowledge about their beneficial health applications and enhancement of production performances in poultry
2	Recognizing novel drugs against Keap1 in Alzheimer's disease using machine learning grounded computational studies
3	Monkeypox Disease: History, epidemiology, threat Assessment, and Management Strategies

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4	Changing Patterns in the Spread of Human Monkeypox: A Dangerous New Development in Disease Epidemiology
5	Major Advances in Monkeypox Vaccine Research and Development – An Update
6	An overview on Monkeypox, Current Paradigms and Advances in its Vaccination, Treatment and Clinical Management: Trends, Scope, Promise and Challenges
7	Noise Pollution, its Causes and Health Consequences in Bangladesh
8	Spatial Distributions and Risk Assessment of the Natural Radionuclides in the Granitic Rocks from Gabal Gattar II, Eastern Desert, Egypt
9	Bioactivities of <i>Vitex negundo</i> (Linn) leaf Crude and Fractionated extracts
10	Knowledge of HIV/AIDS among married women in Bangladesh: analysis of three consecutive multiple indicator cluster surveys (MICS)
11	Tetraspanin-enriched Microdomain Containing CD151, CD9, and TSPAN 8 – Potential Mediators of Entry and Exit Mechanisms in Respiratory Viruses Including SARS-CoV-2
12	The Inhibition of SARS-CoV-2 and the Modulation of Inflammatory Responses by the Extract of <i>Lactobacillus sakei</i> Probio65
13	Breast Cancer Classification by Using Multi-Headed Convolutional Neural Network Modeling
14	Assessment of Perception and Barriers toward Orthodontic Treatment Needs in the Saudi Arabian Adult Population
15	Hospitalization and Mortality by Vaccination Status among COVID-19 Patients Aged $\geq 25$ Years in Bangladesh: Results from a Multicenter Cross-Sectional Study
16	Recent Trends and Developments in Multifunctional Nanoparticles for Cancer Theranostics
17	Antidiabetic Potential of Commonly Available Fruit Plants in Bangladesh: Updates on Prospective Phytochemicals and Their Reported MoAs
18	Footwear and insole design parameters to prevent occurrence and recurrence of neuropathic plantar forefoot ulcers in patients with diabetes: a series of N-of-1 trial study protocol
19	Proteomic Signature and mRNA Expression in Hippocampus of SAMP8 and SAMR1 Mice during Aging
20	Utilization of Knowledge Management as Business Resilience Strategy for Microentrepreneurs in Post-COVID-19 Economy
21	Molecular and Phytochemical Characterizations of <i>Cichorium intybus</i> L. in Diverse Ecogeographical Regions of Kashmir Himalaya
22	Artificial Intelligence in Pediatric Cardiology: A Scoping Review
23	Design and Parametric Analysis of a Wide-Angle and Polarization Insensitive Ultra-Broadband Metamaterial Absorber for Visible Optical Wavelength Applications
24	Evaluations of Paranasal Sinus Disease Using Multidetector Computed Tomography in Taif City, Saudi Arabia
25	Pre-COVID-19 knowledge, attitude and practice among nurses towards infection prevention and control in Bangladesh: A hospital-based cross-sectional survey
26	COVID-19 related anxiety and its associated factors: a cross-sectional study on older adults in Bangladesh



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27	Recent poliovirus outbreaks and vaccination: A perspective
28	Legionella pneumonia in Argentina: A disease cluster to worry about
29	Health risk assessment and source apportionment of potentially toxic metal(loid)s in windowsill dust of a rapidly growing urban settlement, Iran
30	Novel insights on the role of VCAM-1 and ICAM-1: Potential biomarkers for cardiovascular diseases
31	Analysis of seven selected antidepressant drugs in post-mortem samples using fabric phase sorptive extraction followed by high performance liquid chromatography-photodiode array detection
32	Role of gut hormones in diabetes mellitus: An update
33	A decade's worth of impact: Dox loaded liposomes in anticancer activity
34	Biochemical and Pharmacological aspects of Ganoderma lucidum: Exponent from the in vivo and computational investigations
35	The burden of chronic diseases and patients' preference for healthcare services among adult patients suffering from chronic diseases in Bangladesh
36	Colon cancer and colorectal cancer: Prevention and treatment by potential natural products
37	Current Overview on the Potency of Natural Products for Modulating Myeloid-derived Suppressor Cells Dependent Cold Tumors
38	The Association Between the Risk of Breast Cancer and Epigallocatechin-3-Gallate Intake: A Literature Review of a Potential Chemopreventive Agent
39	Naphthoquinones and derivatives as potential anticancer agents: An updated review
40	Common human diseases prediction using machine learning based on survey data
41	Assessment of breast dose and cancer risk for young females during CT chest and abdomen examinations
42	Recent Advances in Epidermal Growth Factor Receptor Inhibitors (EGFRIs) and their Role in the Treatment of Cancer: A Review
43	The use of polygenic risk scores as a covariate in psychological studies
44	Evaluation of root canal morphology in permanent maxillary and mandibular anterior teeth in Saudi subpopulation using two classification systems: a CBCT study
45	Antenatal depression among women with gestational diabetes mellitus: a pilot study
46	Association between depressive symptoms and poor sleep quality among pregnant women in Northern Rural Bangladesh: a community-based cross-sectional study
47	Genomic profiling and network-level understanding uncover the potential genes and the pathways in hepatocellular carcinoma
48	Electrochemical Biosensor Based on L-Arginine and rGO-AuNSs Deposited on the Electrode Combined with DNA Probes for Ultrasensitive Detection of the Gastric Cancer-Related PIK3CA Gene of ctDNA
49	Pharmacophore-based virtual screening approaches to identify novel molecular candidates against EGFR through comprehensive computational approaches and in-vitro studies

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50	An automatic on-line sol-gel pyridylethylthiopropyl functionalized silica-based sorbent extraction system coupled to flame atomic absorption spectrometry for lead and copper determination in beer samples
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### Activities and Events

#### Empowering Pharmaceutical Excellence: Recap of Pharma Fest 2023

The recently concluded Pharma Fest 2023, organized by the Department of Pharmacy at Daffodil International University (DIU), stands as a testament to the university's commitment to fostering pharmaceutical excellence and innovation. This three-day event not only facilitated knowledge sharing among students, academics, and industry professionals but also contributed to SDG 3 (Good Health and Well-being) by advancing discussions on the pharmaceutical industry's latest trends, challenges, and opportunities. Congratulations to DIU for promoting collaboration and excellence in this vital field!



#### Promoting Healthy Lifestyles: Unraveling the Power of Probiotics

In line with SDG 3 (Good Health and Well-being) and SDG 4 (Quality Education), Daffodil Smart City (DSC) proudly hosted the seminar, "Probiotics, The Hype of Healthy Lifestyle of New Generation." This collaborative effort with the Nutro Pharma Health Bee Club of the Faculty of Allied Health Sciences (FAHS) aimed to educate the new generation about the benefits of probiotics for a healthier life. Students from various departments eagerly participated in this event, where esteemed speakers, Dr. Arif Chowdhury Apou and Rajib Ruhan, shared their expertise. Thanks to all attendees for making this seminar a resounding success and staying tuned for more enlightening events ahead!



#### Fostering Well-being: Exploring Sports Nutrition & Diet in Ramadan for Sustainable Health

Daffodil International University organized a seminar titled "Sports Nutrition & Diet in Ramadan" in alignment with Sustainable Development Goals (SDGs) related to health and well-being. The event, led by multiple departments and the "Nutrition & Health Bee" Club, aimed to raise awareness about nutrition during Ramadan. Key speakers Dr. Arif Chowdhury Apou and Amena Jannat Nipa discussed sports nutrition and the role of diet in maintaining health and activity

levels. This initiative reflects the university's commitment to SDGs, particularly Goal 3 (Good Health and Well-being) and Goal 2 (Zero Hunger), by promoting healthy living through proper nutrition.

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### Inauguration of Health Informatics Research Lab at DIU: Advancing SDGs Through Healthcare Innovation

The inauguration of the Health Informatics Research Lab at Daffodil International University signifies a commitment to advancing healthcare innovation and contributing to the Sustainable Development Goals (SDGs). Dr. Sami Azam, Senior Lecturer at Charles Darwin University, Australia, shared his insights during the ceremony, highlighting the lab's potential to drive positive change in healthcare through research and technology.



### Nurturing Well-Being: DIU's Basic Psycho-social Support Skills Training



In line with SDG 3, Good Health and Well-being, Daffodil International University remains committed not only to academic excellence but also to the psychological and emotional well-being of its students. The Office of the Director of Students' Affairs organized a day-long training session titled "Basic Psycho-social Support Skills for Teachers" on August 31, 2022. The session, conducted by Dr. Lipy Gloria Rozario, a Counseling Psychologist, aimed to equip over 30 faculty members of DIU with essential psycho-social support skills and techniques. These skills will enable them to respond effectively to students' psychological and emotional challenges, ensuring their overall well-being.