

December Newsletter

2025
ISSUE#47



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“A dull mind gets bored easily.
A curious mind expands forever.”

— Maxime Lagacé

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News

Egypt at Venice Architecture Biennale



Nile University hosted a distinguished guest lecture by the First Prize winners of the Egyptian Pavilion at the 2025 Venice Architecture Biennale, one of the world's most prestigious architectural events. Hosted by Prof. Dina Shehayeb, ARUD Program Director, and the instructors of the Theory of Architecture courses, the session featured Dr. Arch. Salah Zikri (ABIAT Architects), Arch. Ebrahim Zakaria (L'Interno Architects), and Arch. Emad Fikry (INTARC Architects), all alumni of the Faculty of Engineering, Cairo University.

Titled "Let's Grasp the Mirage: The Egyptian Participation at La Biennale di Venezia 2025 – From Concept to Reality," the lecture traced the pavilion's journey from early conceptualization in Cairo to on-site execution in Venice. The speakers shared valuable insights into design development, implementation challenges, and audience engagement, offering students and faculty a rare, practice-based perspective on international architectural representation. Nile University is proud to be the first academic institution the team chose to visit, fostering meaningful dialogue with its academic community.

NU Eagles collaboration with Project MANAS

We are excited to announce NU Eagles collaboration with Team Project MANAS from Manipal Institute of Technology, India! Together, we will explore VTOL and eVTOL technologies, advancing the future of sustainable aerial mobility in line with our SDG goals.

This partnership will focus on innovations in vertical takeoff and zero-emission flight, paving the way for cleaner skies and smarter mobility.



News

Dr. Ahmed Madian at the AI Caravan Regional Summit

Nile University is proud to highlight Dr. Ahmed H. Madian, ECE Program Director, Nile University and Chairman of the IEEE Egypt Section, as a distinguished speaker at the AI Caravan Regional Summit, held in Cairo, Egypt from 11–13 December 2025.

The summit brings together regional and international leaders in technology and innovation, providing a platform for collaboration, research, and professional development. Dr. Madian shared his insights on the future of engineering, emerging technologies, and the pivotal role of global communities like IEEE in shaping the digital landscape of tomorrow.

His participation reflects Nile University's commitment to advancing cutting-edge research, technology leadership, and regional engagement in the engineering and innovation ecosystem.



NUICPC: From Nile University to ECPC, and All the Way to ACPC

The journey of NU ICPC Community continues with pride and passion! We are incredibly proud to share the achievement of our outstanding teams who represented Nile University at the ACPC 2025, one of the most prestigious competitive programming competitions across Africa and the Arab world.

Reaching the pre-final stage of the competition was no easy feat. It was the result of relentless effort, long hours of practice, and unwavering determination to overcome every challenge. ACPC is not just a competition; it is a powerful learning experience that sharpens problem-solving skills, enhances algorithmic thinking, and tests the ability to analyze data efficiently under intense pressure. Our teams proved their exceptional skills, resilience, and high level of competence.

We would like to extend our deepest gratitude to the supporters who believed in our teams' potential and turned their hard work and persistence into reality:

- NU SU – Nile University Student Union
- Innovators Support Fund (ISF) – صندوق رعاية المبتكرين والنوابغ
- QNB Bebasata

Thank you for your continuous support and belief. You remain a true source of hope and inspiration.

- Abdelrahman ElAtroush
- Ahmed Ashraf

Team 7agra War2a M2s:

- Doaa Mahdy
- Iren Nabil
- Mostafa Mokhtar



News

Nile University Research Spotlights at IRC Expo



Nile University proudly showcased a pioneering research project at the IRC Expo, presented in the presence of H.E. the Prime Minister and H.E. the Minister of Higher Education and Scientific Research. The project was represented at the Expo by Dr. Irene Samy and Eng. Hany Elesawy, highlighting the university's commitment to impactful, cutting-edge research.

The showcased work focuses on the manufacturing of tendon-driven soft robotic fish, a cutting-edge bio-hybrid robotics approach that integrates flexible materials, bio-inspired design, and precise actuation. This innovative research supports future applications in scientific research, education, and sustainable industrial innovation, offering promising solutions inspired by natural systems.

The project was developed at the Bio-Hybrid Soft Robotics Laboratory at Nile University, the only laboratory in Africa established based on the MIT Media Lab model. The lab fosters interdisciplinary, application-driven research at the intersection of robotics, advanced materials, and biological inspiration, positioning Nile University as a regional leader in next-generation robotics research.

Dr. Irene Samy Champions Women's Leadership in Science

Nile University is proud to highlight the participation of Dr. Irene Samy, Director of the SESC Center, as a speaker at the Arab Women in Science Platform: From Insight to Impact, an inspiring initiative led by UNESCO in partnership with AASTMT.

The platform brought together distinguished leaders, scientists, and change-makers from across the Arab region, all committed to advancing gender equality and inclusive leadership in science. Dr. Samy contributed to high-level discussions focused on moving beyond dialogue toward real, measurable impact, emphasizing the importance of leadership, collaboration, mentorship, and innovation in empowering women in scientific and professional fields.

Her participation reflects Nile University's continued commitment to supporting initiatives that foster equity, excellence, and sustainable progress in science. The exchange of perspectives with regional and international experts enriched the dialogue and reinforced the collective responsibility to create enabling environments where Arab women can thrive as scientific and institutional leaders. We are grateful to Dr. Irene Samy for representing Nile University and contributing her insights to this meaningful platform, which marks an important step toward a more inclusive and impactful scientific future.



EVENTS



Events

Tarek Khalil Garden, Job Action Day 3rd Edition



The Skills and Employability Enhancement Center SEEC at Nile University has successfully hosted the third edition of the Job Action Day on Monday, December 1st, 2025, at Tarek Khalil Garden. This is an annual event that aims to equip NU students with practical skills, professional guidance, and real-world exposure to prepare them for future careers.

Job Action Day 3rd Edition brought together industry professionals, certified career coaches, and HR experts who delivered a series of impactful sessions designed to support students' employability and professional readiness.

The event included:

- Career Coaching Sessions where students participated in group coaching sessions focused on career planning, resume development, and interview preparation. Coaches provided tailored feedback to help students identify strengths, clarify career goals, and build confidence.
- Mock Interviews where HR professionals conducted simulated job interviews, allowing students to experience real interview environments and receive constructive feedback on communication, presentation, and interview techniques
- C.V. Review Support stations helped students refine their resumes to meet industry standards and highlight their achievements effectively.

Throughout the day, about 200+ students also had the opportunity to build networks, engage with professionals, and explore career pathways in multiple fields. SEEC continues its commitment to empowering Nile University students through initiatives that bridge the gap between academic learning and market expectations.

Events

Royal Maxim Palace Kempinski – Edugate University Fair

Nile University actively participated in the Edugate fairs held in both Alexandria and Cairo over the course of four days. During these events, our dedicated team provided prospective students and their families with comprehensive information about the various schools within the university, including details on tuition fees, scholarship opportunities, and insights into student life. The fairs served as an excellent platform for engaging with the community and highlighting the unique offerings of Nile University, demonstrating our commitment to fostering higher education and empowering future leaders.



IG Club Fair in Crowne Plaza West Cairo - Arkan

The IG Club Fair provided a unique opportunity for personalized engagement with students and parents. This event fostered one-on-one communication, creating an open and interactive environment. Our team was able to thoroughly explain admission and academic pathways, supporting families in making informed decisions about joining Nile University.



Movenpick Cairo Media City, EDU Gate West Fair

Edugate West provided an excellent opportunity for Nile University to connect with perspective students and candidates seeking Nile University as a choice for their higher-education journey. During the fair, our team met with parents and students, explaining the admission process, faculties available and everything in between. We look forward to participating in other fairs, expanding the word about Nile University.



ACHIEVEMENTS



Achievements

Nile University Shines at IEEE Egypt Section ExCom

We proudly congratulate Prof. Ahmed H. Madian (Chairman), and Dr. Mohamed Saeed Darweesh (Secretary) from Nile University on their election to the IEEE Egypt Section ExCom (2026–2027).

A well-deserved achievement that reflects their leadership, dedication, and impact on the engineering and technology community. Wishing them continued success in this important role!



Dr. Lobna Said Elected to IEEE Africa Council Leadership

Nile University congratulates Dr. Lobna Said, Program Director of Microelectronics System Design (MSD) at Nile University, on her election as Secretary of the IEEE Africa Council for the 2026–2027 term.

This achievement reflects her exceptional leadership, commitment to advancing engineering and technology, and her impactful contributions to the regional and international scientific community. We are proud to see our faculty playing a vital role in shaping the future of innovation across Africa.

Wishing you continued success in this prestigious role!



Excellence Recognized: Best Paper Honor at IEEE ICECS 2025

Congratulations to Dr. Ahmed Soltan and Eng. Mohamed A. Elshiemy for receiving the Third Best Paper Award at the IEEE International Conference on Electronics, Circuits and Systems (ICECS 2025), held from 17–19 November 2025 in Marrakech, Morocco.

Their awarded paper, titled: “A Reconfigurable and Scalable Ultra-Low-Power RISC-V Architecture Based on System Requirements for Battery-Based IoT Devices,” stood out among 150 papers accepted in this highly competitive conference, making this achievement truly exceptional.



Achievements

Dr. Sahar Selim Honored by L'Oréal-UNESCO

Nile University is delighted to celebrate the outstanding achievement of Dr. Sahar Selim, Assistant Professor at the School of Information Technology and Computer Science (ITCS), on her selection for the prestigious L'Oréal-UNESCO For Women in Science Egypt Young Talents Program (2024–2025).

Chosen among six exceptional Egyptian researchers, Dr. Sahar was recognized for her remarkable scientific contributions and dedication to advancing research excellence. This highly competitive program honors talented young women across the Middle East who are making meaningful impacts in scientific research and innovation.

The L'Oréal-UNESCO initiative plays a vital role in empowering women in STEM by celebrating their achievements, supporting their academic journeys, and providing funding for research projects that contribute to scientific progress and societal development. Nile University is proud to support and celebrate Dr. Sahar's success, which reflects the strength and impact of our academic community.



Eng. Yahia Ahmed Shines at IEEE CASS Seasonal School

We are proud to celebrate Eng. Yahia Ahmed, a research assistant at NISC Research Center, a Master's student in the Microelectronics System Design (MSD) program and Teaching Assistant in the ECE program at Nile University, for his remarkable achievement as a speaker at the 2025 IEEE Circuits & Systems Society (CASS) Seasonal School. The event was hosted by the German University in Cairo (GUC) and sponsored by IEEE CASS.

Yahia delivered an insightful talk on Quantum Machine Learning, aligning with the school's theme, "Hardware Meets Algorithms: Building and Automating AI Accelerators." His participation reflects both his dedication and the strong technical foundation developed through his academic journey at Nile University.

This accomplishment highlights the university's commitment to empowering students to contribute to high-impact scientific and professional communities and demonstrates the growing influence of our young researchers in cutting-edge technology fields.



Achievements

Advancing IoT Innovation: Dr. Mai Sallam Awarded OIC-COMSTECH Young Women Research Grant

Nile University proudly congratulates Dr. Mai Osama Sallam, Assistant Professor and faculty member at Nanoelectronics Integrated Systems Center (NISC), Nile University, on being awarded the OIC-COMSTECH Young Women Research Grant 2025–2026—a prestigious recognition supporting outstanding young women researchers across OIC member states.



Dr. Sallam's awarded project, titled "Next Generation Miniaturized Antennas using Spoof Surface Plasmon Polaritons for Scalable IoT Networks," demonstrates strong scientific merit and showcases innovative research in advanced communication technologies and Internet of Things (IoT) applications. The project reflects her commitment to developing scalable and efficient solutions that address the evolving demands of next-generation connectivity.

This achievement highlights Nile University's dedication to fostering research excellence, innovation, and the empowerment of women in science and engineering. Dr. Sallam's work is expected to contribute meaningfully to strengthening research capacity and supporting technological advancement at both the national and regional levels.

Nile University extends its best wishes to Dr. Mai Sallam for continued success in her research endeavors and future academic achievements.

STUDENT LIFE



Student Life

Nile University Students Visit Egypt Defence EXPO (EDEX)



Nile University organized a student visit to the Egypt Defence EXPO (EDEX) as part of its ongoing efforts to expose students to real-world industries and advanced technologies.

EDEX is one of the leading international exhibitions in the fields of defense, security, and technological innovation. During the visit, students explored a wide range of exhibits highlighting the latest developments in defense systems, aerospace engineering, cybersecurity, artificial intelligence, and advanced manufacturing.

The exhibition provided valuable insights into how cutting-edge technologies are designed and applied in real-world scenarios. Students also had the opportunity to interact with industry experts and learn about current trends, challenges, and career opportunities within the defense and technology sectors.

This experience helped bridge the gap between academic knowledge and practical applications. Such visits reflect Nile University's commitment to experiential learning and student development beyond the classroom. By engaging with global exhibitions like EDEX, students gain broader perspectives, enhanced awareness, and inspiration to pursue innovation and excellence in their future careers.

Microsoft Student Club: InspireX Event



InspireX was a technical event organized by the Microsoft Learn Student Ambassadors at Nile University (MLSA-NU), held on December 6, 2025. The event featured an immersive workshop, and a series of tech talks focused on Artificial Intelligence and Data Science, designed to provide students with practical technical knowledge and insights into current industry trends.

Student Life

NIMUN: IC Recruitment Booth



This month, NIMUN established a dedicated recruitment booth on university grounds to formally launch delegate applications for our upcoming International Conference (IC'26). Strategically designed to attract aspiring student leaders, the booth serves as an information center where students can learn about councils & topics, conference logistics, and the diplomatic skills they will acquire. The initiative aims to onboard a diverse group of delegates eager to tackle global challenges.

ELS and Royal International School On Campus Visit

Our student recruitment team collaborated with a couple of schools to host on-campus visits for secondary education students, giving them the chance to explore the campus, learn about the academic programs NU offers and live a day as a university student firsthand. Students got to meet faculty, see facilities, and engage with university students and staff.

School Visits to Engage with Our Academic Community

During December we had the pleasure of visiting several schools, including:

- Heritage International School
- Ramses College for Girls
- Notion International School
- Smart International School in Fayoum
- Kipling School
- NIS OWest
- Ethos International School
- Stars School
- St. Fatima
- Westview International Language School
- Scholars School

During these visits, we introduced students to Nile University's academic programs, campus life, and future opportunities.

Our friendly interactions allowed us to answer questions and address any inquiries from students and parents. These school visits not only help students gain a comprehensive understanding of Nile University but also support them in making confident decisions about their higher education journey.



Student Life

NU Discovery Tours

Nile University's Discovery Tour offers prospective students and their families a unique chance to experience the university's vibrant campus, facilities, and community. Led by student ambassadors, visitors walk through buildings, research labs, library, and sports facilities while meeting faculty members and getting their questions about academic programs, student life, admissions, scholarships, and campus culture answered.



Enactus: Change-Makers' Arena



ChangeMakers' Arena was a dynamic event designed to reflect the true spirit of Enactus Nile and engage students from across universities. We began with an interactive booth announcing the event, proudly supported by our Golden Sponsor EA2 Communications, whose contribution strengthened both the booth activities and the main event.

The arena then featured inspiring panel talks highlighting Enactus' achievements, personal journeys, challenges, and real experiences, creating an atmosphere filled with passion, memories, and genuine connection. The event continued with a competitive challenge open to NU students and non-NU students alike, encouraging diverse teams to participate.

Participants pitched their ideas before a distinguished judging panel of our respected doctors, simulating real Enactus competition standards. After intense and inspiring pitches, the first-place team was honored with a cash prize. ChangeMakers' Arena became an unforgettable experience filled with laughter, joy, commitment, and learning, involving and empowering all students to be part of the Enactus journey.

NU Students Shine at the Arab Biotechnology Conference

Congratulations to Our NU Stars, Proud to announce that Rawda Haitham and Alaa Ashraf from the Applied Biotechnology & Bioinformatics Department won Second Place in the Environment and Marine Track at the 11th Arab Conference of the Arab Association for Biotechnology, held under the patronage of the Ministry of Higher Education and Scientific Research at the National Research Center.



Student Life

Nile University Shooters Shine at the University League Championship

As part of the University League Shooting Championship (Rifle), held with strong participation from 25 universities and 75 male and female students, Nile University students delivered an outstanding performance that reflects excellence, focus, and determination. Nile University's champions demonstrated remarkable skill and discipline throughout the competition, proudly representing the university's intense national competition.

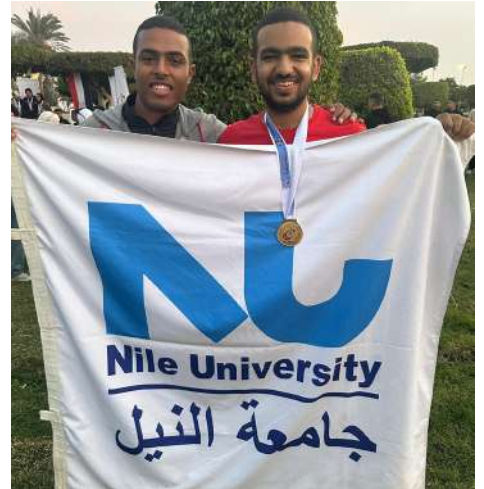
First Place:

The top honor was achieved by Mohamed Mostafa from the Faculty of Computer Science, who secured first place with an exceptional performance that showed precision and well-earned excellence.

Fourth Place:

A strong result was also achieved by Abdelrahman Mohamed from the Faculty of Business Administration, who claimed fourth place after competing at a high level against some of the best university shooters.

Congratulations to Nile University and sincere appreciation to our outstanding students for this proud achievement and honorable representation.



Field Visit to the 999 Military Factory

As part of Nile University's commitment to experiential learning and industry exposure, 36 second-year Mechanical Engineering students participated in an educational field visit to 999 Military Factory, affiliated with the Ministry of State for Military Production, on 29 December 2025.

The visit began with a warm welcome and introductory briefing from the factory's team, followed by a comprehensive guided tour across the different production sections of the facility. Students had the opportunity to explore the factory floor through a detailed factory walkthrough, gaining firsthand exposure to advanced machinery, manufacturing workflows, and industrial safety practices.



Throughout the visit, students engaged in Q&A around each machine, allowing them to connect academic concepts with real-life industrial applications. The experience provided valuable insights into production processes, operational efficiency, and the practical skills required in large-scale manufacturing environments.

This visit reflects the ongoing efforts of Nile University, through the Skills and Employability Enhancement Center (SEEC), to empower students with meaningful learning experiences beyond the classroom, enhance their technical awareness, and prepare them for future careers in the industrial sector.

We extend our sincere appreciation to the Ministry of State for Military Production and the team at 999 Military Factory for their cooperation and support in delivering an impactful and enriching experience for our students.

Student Life

Heritage-Driven Sustainable Urban Transformation

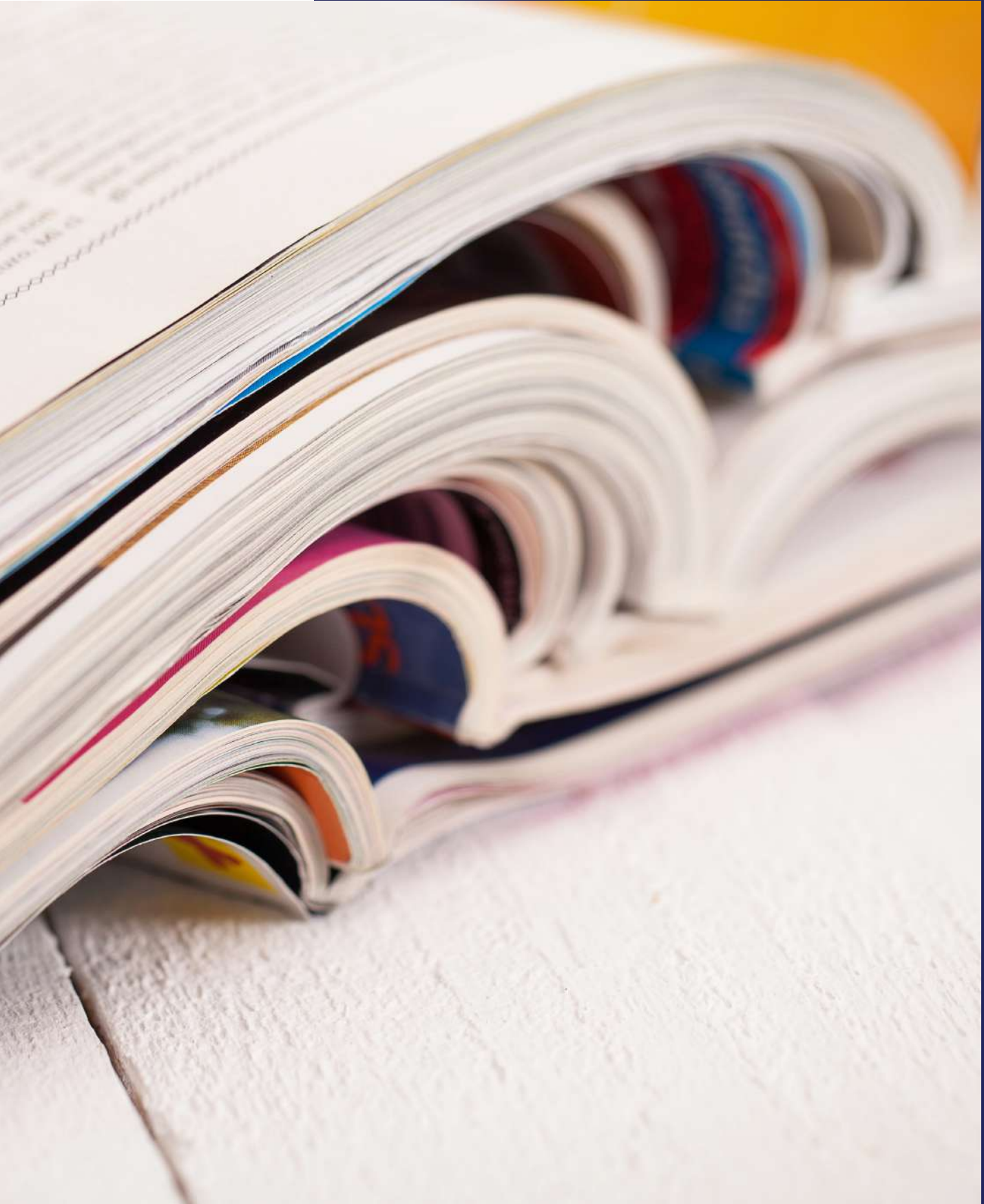
Nile University hosted Arch. Kareem Ibrahim, CEO of Takween Integrated Community Development, for a guest lecture representing his Aga Khan Award–winning project, “Revitalization of Historic Esna: A Model for Heritage Safeguarding and Sustainable Development.” The lecture highlighted how urban conservation can operate as a strategic tool for sustainable development, demonstrating the role of heritage in driving economic vitality, social inclusion, and community empowerment.

The Esna project was presented as a leading model, featuring the restoration of 15 historic sites, capacity-building programs engaging over 430 local participants, and innovative economic and social initiatives, including women-led projects. Emphasis was placed on community-led processes that align architectural practice with cultural continuity and long-term development goals.

Held on Wednesday, November 26, at Nile University’s main auditorium, the lecture offered students and faculty valuable insights into the intersection of architecture, heritage conservation, urban development, and sustainability, reinforcing the importance of design-led approaches to inclusive urban regeneration.



PUBLICATIONS



NU Publications on Scopus during December 2025

 <p>ANTIBIOTIC CONTAMINANTS</p> <p>REMOVAL TECHNIQUES</p> <ul style="list-style-type: none"> • Biological <ul style="list-style-type: none"> - Aerobic/Anaerobic • Physical <ul style="list-style-type: none"> - Membrane technologies - Reverse osmosis - Ultrafiltration - Nanofiltration • Chemical <ul style="list-style-type: none"> - Coagulation-Flocculation - Adsorption - Advanced Oxidation Processes <p>WASTEWATER</p> <p>INTEGRATED TREATMENT METHODS</p>	<p>A comprehensive review of techniques for removal of antibiotics from wastewater</p> <p>NU Authors: Khlood A. Alrefaey, Nabila A. Sallam, Irene Samy Samy</p> <p>Environmental Science: Water Research and Technology</p>
<p>A Purely Meshless Penalty 2D Formulation for Navier–Stokes Equations</p> <p>Downloaded from https://onlinelibrary.wiley.com/doi/10.1002/eqm.2021.10000 by University of Twente, Wiley Online Library on [05/05/2021]. See the Terms and Conditions (https://onlinelibrary.wiley.com/terms-and-conditions) on Wiley Online Library for rules of use; OA articles are governed by the applicable Creative Commons License</p>	<p>A Purely Meshless Penalty 2D Formulation for Navier–Stokes Equations</p> <p>NU Authors: Ahmed M.M. Hasan</p> <p>International Journal for Numerical Methods in Fluids</p>
 <p>Previously Captured Frame</p> <p>Chaotic Transformation & Quantization</p> <p>Encrypted Frame</p>	<p>A real-time video encryption system using chaos</p> <p>NU Authors: Ahmed G. Radwan</p> <p>Signal, Image and Video Processing</p>
 <p>Multi-omics</p> <p>Genomics</p> <p>Proteomics</p> <p>Transcriptomics</p> <p>Metabolomics</p> <p>The application of multi-omics technology in precise diagnosis and treatment of Liver Cancer</p>	<p>Advancing liver cancer diagnosis and treatment with multi-omics approaches: a systematic review</p> <p>NU Authors: Mai S. Mabrouk</p> <p>Discover Oncology</p>
 <p>Generators</p> <p>Judge</p>	<p>Adversarial Shield: Using Large Language Models to Enhance Response Security Against Adversarial Attacks</p> <p>NU Authors: Manar Hamed, Nora Kasiem, Mariem Abdou, Heba Kamal Aslan, Tamer K. Arafa, Ghada Ahmed Khoriba</p> <p>International Journal of Intelligent Engineering and Systems</p>
 <p>Integrative Surveillance and Interdisciplinary Innovation are Essential to Control Biofilm-Associated AMR</p>	<p>Biofilms and Antimicrobial Resistance: Mechanisms, Clinical Implications, and Emerging Interventions</p> <p>NU Authors: Nada A. Fahmy</p> <p>Chemistry and Biodiversity</p>
 <p>Input Question</p> <p>Confidence-Driven Unified Reasoning Ensemble Framework</p> <p>Output Answer</p>	<p>CURE: Confidence-Driven Unified Reasoning Ensemble Framework for Medical Question Answering</p> <p>NU Authors: Ziad Elshaer</p> <p>Big Data and Cognitive Computing</p>
 <p>Genomic Data</p> <p>end-to-end structure deep learning models</p> <p>Detection</p>	<p>Detection of COVID-19 using genomic image processing techniques with end-to-end structure deep learning models</p> <p>NU Authors: Walid I. Al-Atabany, Mai S. Mabrouk</p> <p>Soft Computing</p>
 <p>Sugarcane Bagasse</p> <p>Membrane</p> <p>Industrial Paint Wastewater Treatment</p>	<p>Eco-friendly cellulose-based membranes derived from sugarcane bagasse for efficient industrial paint wastewater treatment</p> <p>NU Authors: Khlood A. Alrefaey, Nabila A. Sallam, Irene Samy Samy</p> <p>International Journal of Environmental Science and Technology</p>
 <p>Absorbance (AU)</p> <p>Wavelength (nm)</p>	<p>Eco-innovation: using underutilized white bean straw and aluminum waste for dye removal</p> <p>NU Authors: Ayat Ossama Ghallab</p> <p>International Journal of Environmental Science and Technology</p>

NU Publications on Scopus during December 2025

<p>Emerging role of transfer RNA-derived small RNAs (tsRNAs) in hepatocellular carcinoma</p> <p><small>Frontiers in Molecular Biosciences Review OPEN ACCESS</small></p> <p><small>Abdelhamid M. Abdelhamid^{1,2*}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}, Abdelhamid M. Abdelhamid^{1,2}</small></p> <p><small>¹Department of Biochemistry, Faculty of Medicine, Alexandria University, Alexandria, Egypt</small></p> <p><small>²Department of Biochemistry, Faculty of Medicine, Alexandria University, Alexandria, Egypt</small></p> <p><small>*Correspondence: abdelhamid.m.abdelhamid@alex.edu.eg</small></p> <p><small>Frontiers in Molecular Biosciences https://doi.org/10.3389/fmolb.2023.1154441</small></p>	<p>Emerging role of transfer RNA-derived small RNAs (tsRNAs) in hepatocellular carcinoma</p> <p>NU Authors: Abdelhamid M. Abdelhamid</p> <p>Expert Review of Molecular Diagnostics</p>
	<p>Energy-Based Interpretation of the Dispersion Coefficient of the Constant Phase Element</p> <p>NU Authors: Ahmed S. Elwakil</p> <p>Journal of Physical Chemistry C</p>
<p><small>Source : Intelligent Systems, Blockchain, and Communication Technologies > Conference paper</small></p> <p>Enhancing Cloud Incident Response: Addressing Evidence Data Collection Challenges in Cloud Environments</p> <p><small>Conference paper in Proc Online 16 November 2023</small></p> <p><small>pp 161-164 https://doi.org/10.1007/978-98-98-98989-8_16</small></p>	<p>Enhancing Cloud Incident Response: Addressing Evidence Data Collection Challenges in Cloud Environments</p> <p>NU Authors: Mahmoud M. Aboalenen, Heba Kamal Aslan, Islam Tharwat Abdel Halim</p> <p>Lecture Notes in Networks and Systems</p>
	<p>Facilitating Radiograph Interpretation: Refined Generative Models for Precise Bone Suppression in Chest X-rays</p> <p>NU Authors: Samar Ibrahim, Selim Sahar , Mustafa A. Elattar</p> <p>Journal of Imaging Informatics in Medicine</p>
<p>Federated Learning Framework for Soil Moisture Prediction</p> 	<p>Federated Learning for Soil Moisture Prediction: Benchmarking Lightweight CNNs and Robustness in Distributed Agricultural IoT Networks</p> <p>NU Authors: Salma Zakzouk, Lobna A. Said</p> <p>Machine Learning and Knowledge Extraction</p>
	<p>FPGA-Accelerated ESN with Chaos Training for Financial Time Series Prediction</p> <p>NU Authors: Zeinab A. Hassaan, Mohammed H. Yacoub, Lobna A. Said</p> <p>Machine Learning and Knowledge Extraction</p>
	<p>Genetic predispositions and nutritional strategies: a review of nutrigenomics in Parkinson's disease</p> <p>NU Authors: Engy K. Tharwat</p> <p>Neuroscience</p>
	<p>Isolation and Characterization of Chlorpyrifos-Degrading Gut Bacteria from Field-Collected Larvae of Spodoptera frugiperda (J.E. Smith) (Lepidoptera: Noctuidae)</p> <p>NU Authors: Marwa N. Ahmed</p> <p>Biology</p>
	<p>Isolation and characterization of novel phages for control of the phytopathogen Pseudomonas marginalis</p> <p>NU Authors: Marwa N. Ahmed</p> <p>Applied Microbiology and Biotechnology</p>
	<p>Machine learning-based prediction of drug response in ischemia reperfusion animal model</p> <p>NU Authors: Abdelrahman Khaled</p> <p>Scientific Reports</p>

NU Publications on Scopus during December 2025

	<p>Metagenomic analysis of gut microbiota in colorectal adenocarcinoma in the MENA region NU Authors: Mohamed Mysara, Omnia Saeed Frontiers in Cellular and Infection Microbiology</p>
<p>Mitigating Retrieval Errors in RAG Pipelines Through Ambiguity Detection and Interactive Feedback</p> <p>ICCEM 2025 - 4th IEEE International Conference on Electronic Engineering</p>	<p>Mitigating Retrieval Errors in RAG Pipelines Through Ambiguity Detection and Interactive Feedback NU Authors: Mahmoud Ibrahim, Walaa Mohamed Medhat ICEEM 2025 - 4th IEEE International Conference on Electronic Engineering</p>
 <p>Nonlinear surface waves in a piezo-thermoelastic half-space with temperature-dependent dielectric moduli in dual-phase-lag</p> <p>NU Authors: Ethar A.A. Ahmed</p>	<p>Nonlinear surface waves in a piezo-thermoelastic half-space with temperature-dependent dielectric moduli in dual-phase-lag NU Authors: Ethar A.A. Ahmed Wave Motion</p>
	<p>Plagiarism detection across languages: a comprehensive study of Arabic and English-to-Arabic long documents NU Authors: Ahmad Abdelaal, Abdallah ElSaadany, Abdelrhman Ahmed Medhat, Noha Gamal EIDin Saad Ali PeerJ Computer Science</p>
 <p>PMP-LLM: A Culture-Aware and AI Based Personalized Meal Planner Tool for Weight Management</p> <p>NU Authors: Mustafa A. Elattar</p>	<p>PMP-LLM: A Culture-Aware and AI Based Personalized Meal Planner Tool for Weight Management NU Authors: Mustafa A. Elattar Lecture Notes in Computer Science</p>
	<p>Rating sustainability aspects of reverse osmosis desalination plants using multi-criteria decision-making approach NU Authors: Aya M. El-Shahat, E. S. Bakhoum Cleaner Environmental Systems</p>
<p>Shifting to bioplastics: a case study of Plastica Company</p> <p>International Journal of Environment and Waste Management</p>	<p>Shifting to bioplastics: a case study of Plastica Company NU Authors: Sherifa ElHady, Irene Samy Samy International Journal of Environment and Waste Management</p>
	<p>Synthesis and characterization of novel zinc-organic framework for the effective removal of Alizarin Red S NU Authors: Abdelhamid M. Abdelhamid, Ashraquat M. Abdelhamid, Sohaila Abdelhady, Soad Auf, Hala A. Awad, Raghad M. Abdelkader, Jana Ghanem, Malak H. Mohamed, Mariam Gamaleldin, Saher A. Ali, Maha Alhelf Scientific Reports</p>
 <p>Tertiary Teacher Burnout</p> <p>NU Authors: Amira Salama</p>	<p>Tertiary Teacher Burnout NU Authors: Amira Salama Teacher Burnout from a Complex Systems Perspective: Contributors, Consequences, Contexts and Coping Strategies</p>
	<p>Toward Safe AI in Autonomous Vehicles: Challenges, Standards, and an Integrated Safety Engineering Framework NU Authors: Amr Alsayed Mohamed, Heba Kamal Aslan Procedia Computer Science</p>
	<p>Towards Industry X.0: A Consolidated Framework for Evaluating the Technological Readiness Levels of the Automotive Industry NU Authors: Tarek M. Khalil Applied System Innovation</p>