



April Newsletter

2024

ISSUE #27



“

“Like spring, let your academic journey be a time of renewal, growth, and vibrant possibilities. Embrace the fresh energy of the season and bloom with resilience, creativity, and determination.”

”

PARTNERSHIPS



Partnerships

MOU with Misr Insurance Company

Nile University has signed a memorandum of understanding with Misr Insurance Company. This collaboration, attended by Dr. Wael Akl, President of Nile University, and Mr. Omar Gouda, Executive Board Member and CEO of Misr Insurance Company, aims to elevate insurance awareness, support innovation, digital transformation, and sustainable growth. Dr. Wael Akl emphasized the significance of this partnership in advancing the insurance industry, underscoring Nile University's commitment to leadership in technology education and entrepreneurship in Egypt and the MENA region.



Collaboration between the NU English Department and Africa ELTA

NU's English Department signs a memorandum of collaboration and understanding with Africa ELTA. Africa ELTA works to advance the English language teaching (ELT) profession in Africa by supporting teachers in improving their ELT pedagogical and research practices. This is achieved through encouraging and implementing the delivery of quality professional development activities, extending professional networking efforts with national and international associations, and supporting and advocating for the interests of teachers of English to speakers of other languages and learners of English as an additional language or dialect at the national and international level.



Partnerships

MOU with Al Sahl Academy in Libya

We're thrilled to announce the signing of a Memorandum of Understanding (MOU) between the School of Continuing Education (SCE) at Nile University and Al Sahl Academy in Libya on Thursday, April 18, 2024.

The MOU will allow the SCE to offer and conduct programs for all categories, including university students, postgraduates, and experienced professionals in various fields. These programs can be delivered via flexible methods: face-to-face or online. The official ceremony took place at the Nile University campus and was attended by distinguished guests: Dr. Wael Akl, President of Nile University; Dr. Nevine Abdelkhalek, Dean of School of Continuing Education; Mr. Natheir Nasrawin, Executive Board Member at AlSahl Group Holding; Mr. Anwar Bachnak, General Director of Al Sahl Academy; Nile University Executive Board Members. This MOU signifies a significant step forward in expanding educational opportunities for individuals across borders.



Partnerships

IOM Exchange Opportunity

The FACT Center provides engineering graduates specializing in Mechanical & ICTS with outstanding opportunities to excel and become exceptional individuals. This dedication derives from our commitment to providing graduates with extraordinary opportunities to kickstart their careers and thrive as professionals. Recruitment is now open to apply for a fully funded opportunity. In collaboration with our partner, IOM Italy, we facilitate job training and skills exchange between our fresh graduates and Italian companies based in Veneto. The project includes the development of a comprehensive package to prepare for an internship experience in Italy. An intensive Italian language course. An internship program of up to 4 months in Italian companies. Continuous monitoring of skills development during the internship period. Facilitate job placement for trainees upon their return to Egypt.



ACHIEVEMENTS



Achievements

ARUD Students winning Sabbour Creativity Award

Our ARUD graduates, Shaimaa Eamd and Malak Mohamed, secured second place in the prestigious Hussien Sabbour Creativity Award. Their exceptional project, "The Silent Act - A Dialogue with Bahariya Oasis," stood out among over 120 participants. The project embodies the dynamic spirit of the oasis environment and its visitors, showcasing architectural design as a captivating performance orchestrated by the interplay of natural elements.



Achievements

Ms. Amira Salama Receives TESOL International Award 2024

Ms. Amira Salama, an English Instructor and Course Coordinator at NU, will receive the TESOL International Award 2024 in recognition of her exceptional leadership and advocacy efforts in the TESOL field. Her contributions align with the association's vision, mission, values, and commitments. In addition to her role at NU, Amira Salama is the incoming chair of the TESOL Research Professional Council and the past president of Africa ELTA.



Unraveling Covid-19 Dynamics with Artificial Intelligence

The Bioinformatics research group at the CIS center and Bioinformatics diploma graduates from Nile University introduced a revolutionary method known as GenoSig. This approach uses artificial intelligence to study the genetic structure of SARS-CoV-2. We've created a fast and precise way to monitor how the virus changes over time using advanced machine learning and deep learning techniques. Our discoveries, published in BMC Bioinformatics, provide important information about the virus's type, how it spreads, and its biological traits. This research represents a significant advancement in our fight against the global pandemic.

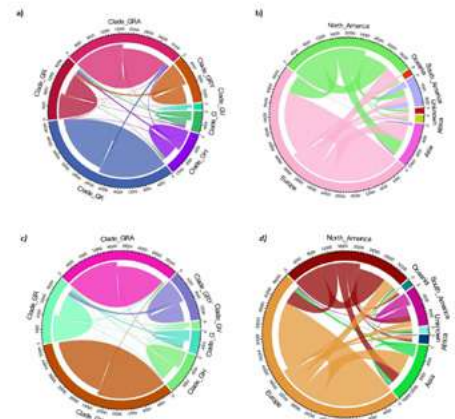


Fig. 4 Chord diagram based on the confusion matrix of validation dataset and RF model a clades b continents and c clade d continents.

Achievements

Announcing the IEE CASS 2024-2025 Distinguished Lecturer

Prof. Ahmed Madian has been selected as a Distinguished Lecturer for the IEEE Circuits and Systems Society (CASS) for the term 2024-2025. This prestigious appointment recognizes Prof. Madian's significant contributions to the field of circuits and systems. As a Distinguished Lecturer, Prof. Madian will share his expertise and insights through lectures worldwide, promoting more profound understanding and innovation in the discipline.



NU Student Explores Abroad: Mohamed Dien's Semester Journey

Nile University Mechanical Engineering senior student Mohamed Dien has embarked on an academic journey as an incoming student for the Spring 2024 semester at FH OÖ Campus Wels | School of Engineering in Austria. This opportunity, made possible through funding from OeAD-GmbH, highlights Mohamed's dedication and academic prowess and reflects NU's commitment to offering students opportunities to broaden their horizons through international study experiences.



Achievements

ITCS Student Spearheads Groundbreaking STDF-Funded Project for Diabetes Care

In a significant development, a student from Nile University's ITCS department is leading an ambitious project titled "HypoGlycemia Prediction," generously funded by STDF with a substantial grant of 70k. This pioneering initiative is dedicated to crafting a cutting-edge mobile health solution aimed at enhancing the prediction and prevention of hypoglycemia among individuals with type 1 diabetes. Leveraging the power of advanced artificial intelligence, the project provides personalized insights and interventions tailored to each user's specific needs. Stay updated for further developments on this transformative endeavor poised to revolutionize diabetes care



Achievements

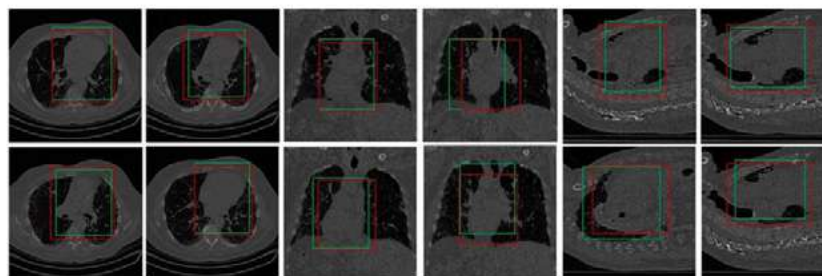
The American University in Cairo honored the Student Life office team

The Student Life Office team at Nile University was honored at the American University in Cairo for participating in the Fifth Sector League for private and non-governmental universities in all sports. Nile University students won numerous gold, silver, and bronze medals, showcasing their talent and dedication in athletic competitions.



MIIP Heart Surgeries Research at NRSC2024: Advancing Cardiac Care with Groundbreaking Research

Nancy Soliman, a Research Assistant at the CIS Center, presented her innovative research on heart localization techniques at NRSC2024. Her study introduces a novel approach that enhances diagnostic accuracy by integrating data across multiple patient axes, showcasing the potential to transform cardiac care practices and improve patient outcomes. Congratulations to Nancy on her impactful contribution!



(a) Axial View

(b) Coronal View

(c) Sagittal View

Fig. 7 Heart Localization Output on CT Image

Achievements

MIIP MRI Reconstruction Innovation at Intellisys Amsterdam: Advancing Medical Imaging with Aya Hassan

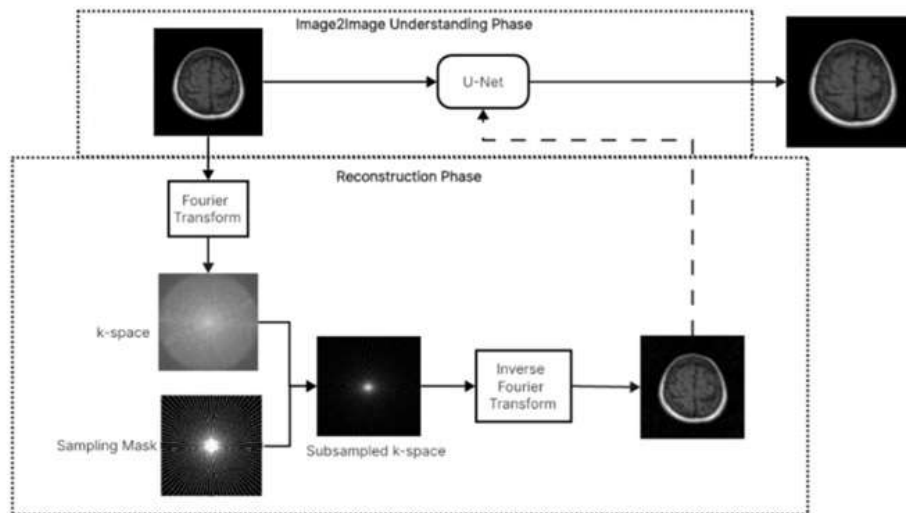


Fig. 1: Our two-phase architecture begins with Image2Image Understanding then the obtained weights are then employed in the Reconstruction phase.

Aya Hassan, a teacher assistant majoring in AI at ITCS school, presented her pioneering research at Intellisys Amsterdam. Her work introduces a revolutionary two-phase MRI reconstruction framework from under-sampled K-space. This innovative approach significantly reduces MRI acquisition times and enhances image quality, potentially revolutionizing diagnostic procedures and elevating patient care in medical imaging.

Achievements

Dr. Mustafa Elattar's Insightful Presentation at ANRSI Mauritania



Dr. Mustafa Elattar delivered a compelling talk at the National Agency for Scientific Research and Innovation (ANRSI) in Mauritania, highlighting the transformative achievements of the Smart Agricultural Clinic (SAC) project. This innovative initiative integrates advanced technologies to provide personalized agricultural and veterinary guidance, improving disease management and boosting agricultural productivity.

EVENTS



Events

Export Management Certification Program Launching Event

The School of Continuing Education (SCE) proudly attended the Export Management Certification Program launch event. The event was graced by distinguished guests, including HE Dr. Rania ElMashat, Minister of International Cooperation, and HE Dr. Ahmed Samir, Minister of Trade and Industry.

This program, supported by USAID Trade, is offered collaboratively by Train, SCE, NilePreneurs, and Nexford University. Dr. Nevine Abdelkhalek, Dean of SCE, actively participated in the second-panel discussion, "Empowering the Workforce: Certification and Export Management," alongside Mr. Rachid Benjellou (Chief of Party–USAID Trade), Dr. Fadl Al Tarzy (CEO of Nexford University), and other distinguished panelists. The discussion focused on the program's importance and impact on export management careers.

The program aims to elevate export management proficiency across three distinct tracks:

1. Export Managers Track
2. Business Owners Track
3. Export Assistants Track



Events

Major Tryout Event



NU's Recruitment team organized a Major Tryout Event, inviting essential contributor schools to join. Senior high school students were welcomed to spend a day in their dream major, gaining insight into their future academia. They met deans, professors, attended short lectures, engaged in projects and experiments to learn more about their career paths and market trends. Additionally, they had the chance to experience vibrant NU student life and explore the facilities through a guided tour of the campus premises.



Events

Graduation Ceremony of AI in Teaching & Training Course

The School of Continuing Education proudly celebrated the graduation of the first and second batches of the Artificial Intelligence (AI) Teaching & Training Course. The comprehensive program equipped 94 participants with the skills to effectively utilize AI tools in education and develop engaging learning materials.

Key Highlights:

- Ninety-four graduates were equipped with AI skills to enhance teaching practices, such as making educational videos and preparing digital exams.
- The course focused on practical applications of AI in education.
- Participants gained proficiency in developing AI-powered learning materials.

This successful program aligns with the School of Continuing Education's commitment to providing cutting-edge professional development opportunities for educators. The AI course empowers teachers to embrace technological advancements and transform their classrooms into dynamic learning environments.



Events

Maher Zain's Concert



We were thrilled to host the Maher Zain concert, a collaboration between Nile University and the Sawy Culture Wheel! The evening was filled with exceptional entertainment and soul-stirring melodies. Attendees were captivated by Maher Zain's enchanting performance and immersed themselves in an unforgettable musical experience. Stay tuned for more exciting events!



SCHOOL FAIRS & VISITS



School Fairs and Visits

Nile University Collaboration with UK Universities on Joint British Council TNE Global Grant

Nile University welcomed a visit from Dr. Gui Yun Tian from Newcastle University, UK, and Dr. Shengfeng Qin from Northumbria University, UK, on Wednesday, April 24, 2024. The visit is related to the international collaboration between the Nanoelectronics Integrated Systems Center (NISC) at Nile University and UK universities as part of the joint British Council TNE Going Global grant. The professors gave two public lectures titled: "Smart Product and Service Ecosystem Design with Digital Twins" by Dr. Shengfeng Qin and "Sensors and IoTs for Digital Transformation" by Dr. Gui Yun Tian.



NewGiza Students in Nile University's Civil Labs

Welcome to Nile University, New Giza University architecture students! Step into our Civil Engineering Labs, where collaboration breeds innovation. Nile University is thrilled to open its doors to architecture students from New Giza University, inviting them to explore our Civil Labs Complex and conduct testing in our materials and concrete lab. Together, we're diving into hands-on concrete mixing, quality control, pouring cubes, cylinders, and beams for testing under compression and flexure, enabling students to understand concrete behavior first-hand.



School Visit

Our recent participation in off-campus school visits witnessed enthusiastic interactions with prospective students. The student recruitment team engaged in university fairs hosted within schools, including Continental Palace International School and Majesty International School.



SESSIONS, CONFERENCES & WEBINARS



NU Sessions

Nile University Hosts Esteemed Guests from Queen's University Belfast for Enlightening Sessions



Nile University recently hosted esteemed guests from Queen's University Belfast for two enlightening sessions. The visit began with a meeting between the Queen's University delegation and top management and faculty members of Nile University. The first session, led by Dr. Ihsen Alouani, focused on "The Overlooked Risk: An Overview on ML Trustworthiness in Adversarial Settings." Dr. Alouani delved into critical aspects of machine learning trustworthiness, particularly in adversarial settings, offering comprehensive insights. Following this, Dr. Aidan McGowan presented an "Info Session on Study at Queen's University, Belfast, and opportunities for international students." Attendees, including students, faculty, and academic staff from Nile University, engaged in meaningful discussions and networking opportunities, strengthening ties between the institutions. Such collaborative initiatives align with Nile University's commitment to academic excellence and innovation.

NU Sessions

Empowering Faculty: NU Hosts Engaging Workshops for Professional Development

The Provost Office and the offices of Academic Quality Assurance (AQAD), as well as the Teaching and Learning Center (TLDE) - are excited to share the latest set of workshops facilitated by talented colleagues who have chosen to share their experience and knowledge with all of us. Workshop titles range from topics such as "Formative and Summative Assessment" to "Online Assessments," "Entrepreneurship: Turning Ideas into Reality," and "Using Research to Enhance Learning: Research and Project-based Learning." The workshops took place on Mondays and Wednesdays of every week. The full schedule is published on Laserfiche for all our faculty members and teaching instructors to have access to and register through.

The feedback from participants was overwhelmingly positive. We are thrilled to continue offering workshops as part of our Capacity Building Plan that reflect the primary pillars of NU and meet our National and International Accreditation requirements while addressing our teaching faculty's needs.



NU Sessions

Essential Research Skills Workshop Series – Writing a Successful Survey Paper



Dr. Walaa Medhat conducted an enlightening session on the intricacies of academic publication, “Writing a successful survey paper,” as part of the Basic Research Skills Workshop Series. She shared essential strategies for crafting impactful survey papers.

Researchers begin their research by reading articles to specify the research gap in their research point. They always feel that they have wasted a lot of time reading and have yet to achieve any progress in their thesis. However, they can write a survey paper about their research point to formulate their efforts into an output. Writing a survey paper is different from writing a literature review. To write a successful survey paper, you need to follow a specific methodology, make a detailed analysis of the literature, and add your point of view. In this talk, Dr. Walaa gave us significant tips on how to write the survey in a way that will allow it to be accepted for publication and get many citations.

NU Sessions

Essential Research Skills Workshop Series – Research to Publication: A Guided Tour

Prof. Mai Said conducted a session on the intricacies of academic publication, “Research to Publication: A Guided Tour,” as part of the Basic Research Skills Workshop Series. The event provided participants with a detailed roadmap for navigating the publication process from the inception of a research idea to the celebration of its acceptance.

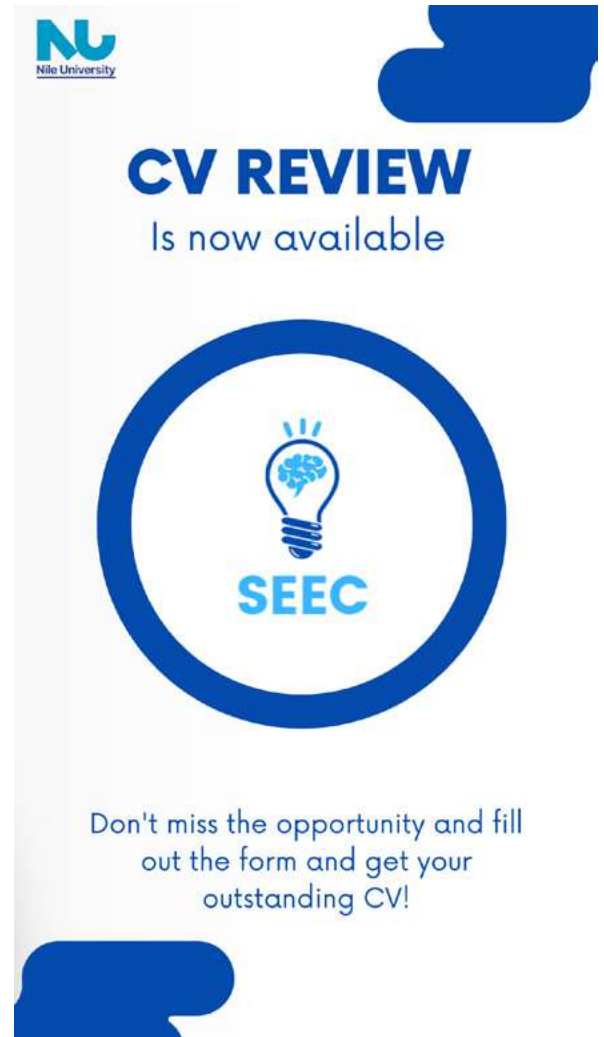
She meticulously covered each journey phase, from developing a robust research question through manuscript submission to the peer review process. Attendees gained valuable insights into selecting the appropriate journal, optimizing their manuscripts for submission, and effectively handling reviewer feedback. By the workshop’s close, participants were well-prepared with the necessary knowledge and tools to enhance their publication success and significantly impact the academic community. The session demystified the complexities of getting a paper published and empowered attendees to advance their research careers confidently.



NU Sessions

Elevate Your CV: Introducing the SEEC Office CV Review Form

We are thrilled to announce that the SEEC Office has recently opened a CV Review Form available to all Nile University students. Your curriculum vitae (CV) is crucial in presenting your skills and experiences to potential employers. This form provides an excellent opportunity for you to receive valuable feedback and insights on your CV from the SEEC Team. Submitting your CV for review through the form allows the SEEC team to assess your document and provide personalized recommendations for improvement carefully. Whether you are a freshman seeking opportunities or a senior preparing for your next career move, this service is designed to help you enhance your professional profile.



NU
Nile University

CV REVIEW
Is now available

SEEC

Don't miss the opportunity and fill out the form and get your outstanding CV!

NU Sessions

Empowering Ambassadors: Launching The Ambassadors Program at Nile University



We're excited to introduce The Ambassadors' Program, a workshop series designed to empower our Nile University Ambassadors. Led by our SEEC Office in collaboration with our Recruitment Team, this program consists of three engaging sessions:

- Advanced Presentation Skills and Storytelling Techniques.
- Event Management.
- Negotiation Skills.

These workshops aim to foster personal and professional growth, promoting knowledge-sharing and collaboration. Mr. Mohamed Tarek, Training Manager at Seoudi, conducted the first session on Advanced Presentation Skills and Storytelling Techniques. The session equips student recruitment ambassadors and NU students with essential tools for representing Nile University at events and engaging with prospective students and parents effectively. Mr. Tarek's expertise captivated all attendees, enhancing their delivery and presentation skills, storytelling abilities, and strategies for engaging and persuading. We extend our sincere appreciation to Mr. Tarek for his exceptional effort in delivering this enriching workshop. The SEEC Office and our Recruitment Team remain committed to supporting our University Ambassadors and all Nile University students.

NU Sessions

Ms. Heba Hussein gave a talk entitled “Alzheimer’s Disease, the Thief of Memory: Between Prevention and Coping”

NU School of Biotechnology would like to thank Ms. Heba Hussein, Managing Scientific Editor at Akhbar El-Youm Newspaper, for her enlightening seminar entitled “Alzheimer’s Disease, the Thief of Memory: Between Prevention and Coping. With over three decades of experience in science communication, Ms. Heba shared important insights on Alzheimer’s Disease and its societal impacts, fostering awareness among our NU community. Heba Hussein graduated from The American University in Cairo, majoring in mass communication. She joined Akhbar Elyom newspaper right after, where she is currently a managing editor. Heba has been a science editor for 35 years. She focuses on communicating scientific information to the public. She was awarded the Dubai Press Club prize in 2001 in the field of science and technology and a prize from the WHO in 2012. She published five books; the latest is “Alzheimer’s: The Thief of the Memory”.



NU Sessions

Nutrition Habits and the Ideal Body Composition

NU School of Biotechnology was pleased to host a seminar by Dr. Mohamed Maged, Assistant Professor at the School of Biotechnology, Nile University, entitled "Nutrition Habits and the Ideal Body Composition."



The seminar provided a valuable opportunity for our NU community to learn about the basic concepts of wholesome nutrition and its impact on work/study performance, activity, well-being, and health.

NU School of Biotechnology Held its 6th Session of the Biotech Seminar Series

NU School of Biotechnology staff attended the 6th episode of the Biotech Seminar Series, which aimed to discuss the staff's ongoing research and latest field developments.

The session was presented by Teaching Assistant Ms. "Yomna Youssef," who gave valuable insight into her latest research entitled "Exploring the Effect of Biocontrol Rhizobacteria on Plant Hormonal Responses and Inducing Systemic Resistance."

Her talk discussed how beneficial rhizobacteria, which are used as biocontrol agents and trigger systemic resistance, affect the hormonal pathways that drive a plant's immune response.

NU Sessions

Exploring Genome Editing: Insights from Dr. Hassan Noureldin Nassrat's Public Lecture.

Nile University recently hosted a thought-provoking Public Lecture in collaboration with the Zayed Foundation, featuring Dr. Hassan Noureldin Nassrat, Emeritus Professor of Obstetrics, Gynecology, and Fetal Medicine at King AbdulAziz University. The lecture, titled "Genome Editing - Applied and Ethical Issues," delved into the multifaceted realm of genome editing, exploring both its practical applications and the ethical considerations surrounding its use. Dr. Nassrat's expertise sparked thoughtful discussions, providing attendees with a deeper understanding of this cutting-edge field.



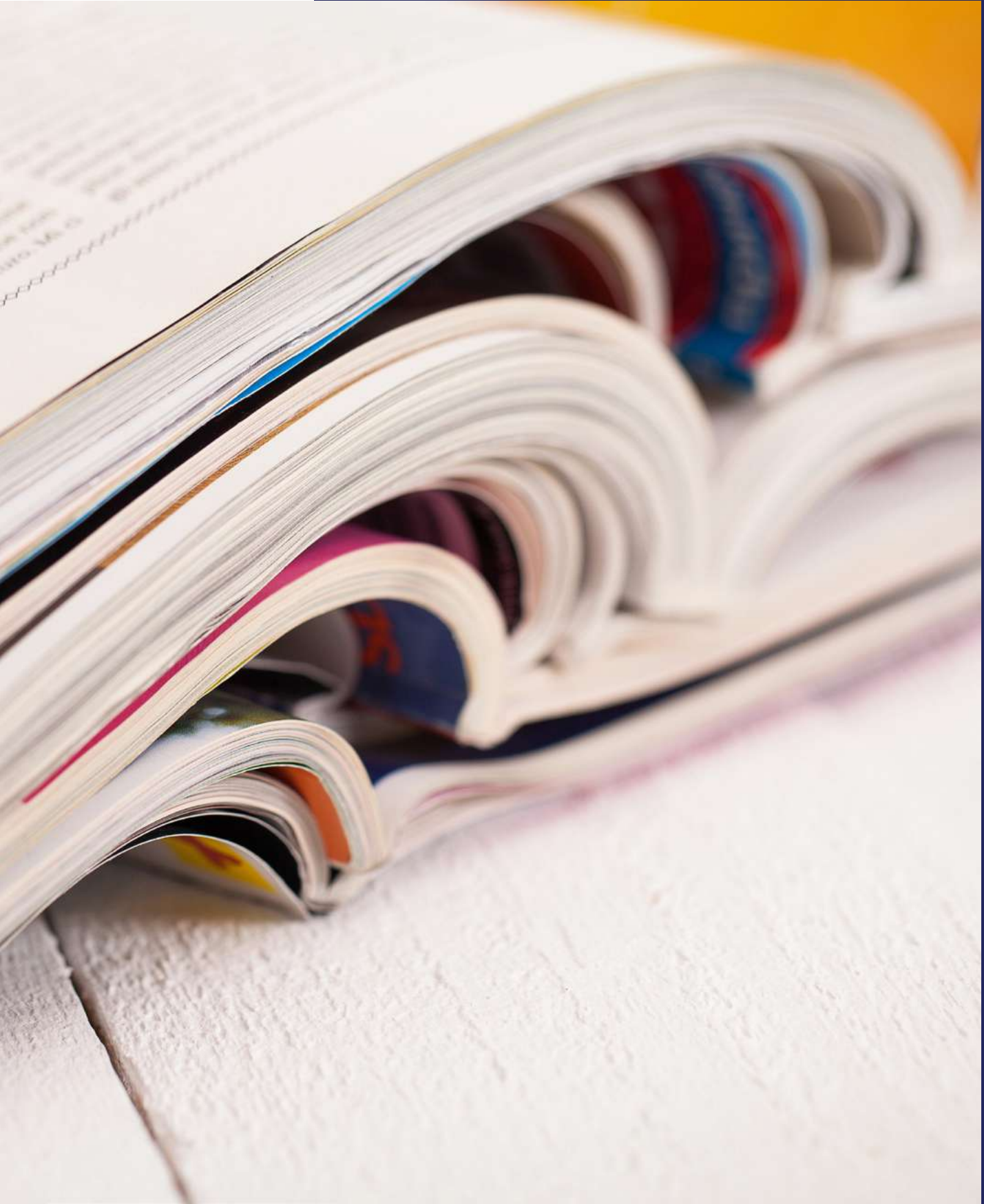
NU Sessions

Exclusive Session with Hany Hathoot: Balancing Studies and Sports

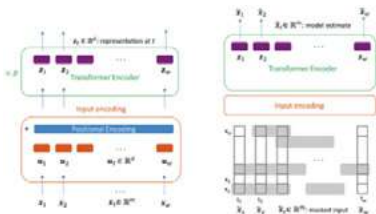
Nile University recently hosted an exclusive session with Sports Media Representative Hany Hathoot titled "Balancing Studies and Sports." The event aimed to provide students with valuable insights on managing academics alongside their passion for sports. Hathoot shared tips on time management, setting priorities, and maintaining a healthy lifestyle while actively participating in sports. The session concluded with a Q&A segment, offering students personalized advice on managing their academic and sports commitments effectively. Overall, the event was a success, empowering Nile University students to excel academically and athletically.



PUBLICATIONS



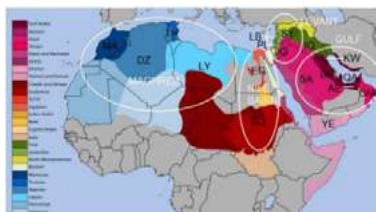
Publications on Scopus during April 2024



A Comparative Analysis of Time Series Transformers and Alternative Deep Learning Models for SSVEP Classification

NU Authors: Heba Ali, Adel Elzemy, Amir E. Oghostinos, Sahar Selim

Source: Communications in Computer and Information Science



Arabic Dialect Identification: Experimenting Pre-trained Models and Tools on Country-level Datasets

NU Authors: Khlood Khaled, Tasneem Wael, Salma Khaled, Walaa Medhat Asal

Source: Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA



Commercial Versus Natural Activated Carbon Fabricated Sheets: Applied to Dyes Removal Application

NU Authors: Khlood A. Alrefaey, Nora Mohamed, Shaimaa Husien, Irene Samy Fahim, Lobna A. Said, Ahmed G. Radwan

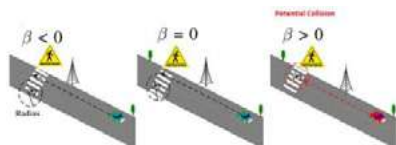
Source: Macromolecular Symposia



Cryptanalysis of Two Conditional Privacy Preserving Authentication Schemes for Vehicular Ad Hoc Networks

NU Authors: Ahmad Mohamad Kabil, Heba Kamal Aslan

Source: Cryptography (Impact Factor 2022: 1.6)



Empowering Pedestrian Safety: Unveiling a Lightweight Scheme for Improved Vehicle-Pedestrian Safety

NU Authors: Marianne Amir Azer

Source: Information (Switzerland)



English-Arabic Text Translation and Abstractive Summarization Using Transformers

NU Authors: Heidi Ahmed Holiel, Nancy Mohamed, Arwa I. Ahmed, Walaa Medhat Asal

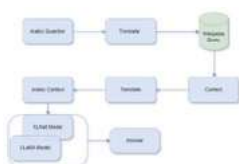
Source: Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA



Evaluating the Performance of Foresight Studies: Evidence from the Egyptian Energy Sector

NU Authors: Yomna Atef Ahmed, ElHassan Anas ElSabry

Source: Foresight and STI Governance (Impact Factor 2022: 1.2)

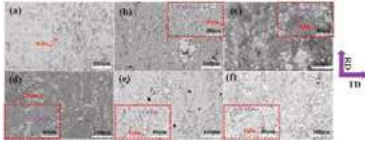


Fine Tuning of large language Models for Arabic Language

NU Authors: Ahmed Tamer, Al Amir Hassan, Asmaa R. Ali, Nada Salah, Walaa Medhat Asal

Source: Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA

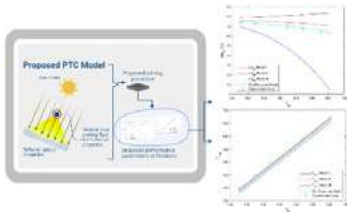
Publications on Scopus during April 2024



Investigation on microstructures, mechanical properties, and corrosion behavior of novel biodegradable Zn-xCu-xTi alloys after hot rolling fabricated by self-developed newly gradient continuous casting

NU Authors: [Mohamed A. Afifi](#)

Source: Journal of Materials Research and Technology (Impact Factor 2022: 6.4)



Investigative Review of Design Techniques of Parabolic Trough Solar Collectors

NU Authors: [Roba Abdelfatah](#), [Irene S.Fahim](#), [Mohamed Mahran Kasem](#)

Source: Frontiers in Heat and Mass Transfer (Impact Factor 2022: 1.8)



Methodology for microclimatic urban canyon design case study surrounding MUST university campus in Cairo

NU Authors: [Yasmine K. Hafez](#)

Source: HBRC Journal

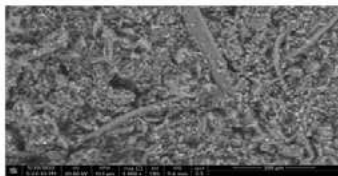


Figure 1 SEM analysis of SCBP membrane

Methylene Blue Removal on Biodegradable Adsorptive Membranes Fabricated From Sugarcane Bagasse Pulp: Characterization and Performance Study

NU Authors: [Salma O.M. Elshabrawy](#), [Amal ElHussieny](#), [Irene Samy Fahim](#)

Source: Macromolecular Symposia

Structures • Volume 51 • May 2024 • Article number 08111

Numerical modeling of sheathed screw connections in CFS shear walls

[Tawfik, Nouran M.](#) [Ali, Hamed, Hamedy](#)

Save all for author list

*Civil and Infrastructure Engineering and Management Program, School of Engineering and Applied Sciences, Nile University, Giza, 12584, Egypt

*Structural Engineering Department, Faculty of Engineering, Cairo University, Giza, 12613, Egypt

Numerical modeling of sheathed screw connections in CFS shear walls

NU Authors: [Nouran M. Tawfik](#)

Source: Source: Structures (Impact Factor 2022: 4.1)



Optimizing the coagulation/flocculation process for the treatment of slaughterhouse and meat processing wastewater: experimental studies and pilot-scale proposal

NU Authors: [Emad. S. Bakhoum](#)

Source: International Journal of Environmental Science and Technology (Impact Factor 2022: 3.1)

30 October • 2023-10-09 • Research

Research Trends, Challenges, and Future Directions in Vehicular Networks

Journal: IEEE

Authors: [Islam Tharwat AbdelHalim](#)

Research Trends, Challenges, and Future Directions in Vehicular Networks

NU Authors: [Islam Tharwat AbdelHalim](#)

Source: Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA



(a) the input query "kettle heating" on Image contains lesser appliances (b) the input query "blood stain on a shirt" on Image contains white T-shirt

Smart Saliency Detection for Prosthetic Vision

NU Authors: [Nermin Khalifa](#), [Walid Al-Atabany](#), [Sahar Selim](#)

Source: Communications in Computer and Information Science

Publications on Scopus during April 2024



Statistical Analysis for Evaluation and Improvement of Computer Science Education

NU Authors: [Passent M. El-Kafrawy](#), [Ahmed Kamal](#), [Walaa Medhat Asal](#), [Mohamed El-Hadidi](#)

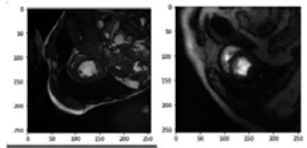
Source: 21st International Learning and Technology Conference: Reality and Science Fiction in Education, L and T 2024



Sudden Fall Detection and Prediction Using AI Techniques

NU Authors: [Mostafa Mahmoud](#), [Mostafa Osama](#), [Antony Milad](#), [Joseph Raafat](#), [Sahar Fawzi](#)

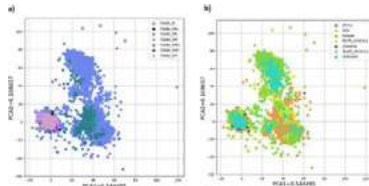
Source: 21st International Learning and Technology Conference: Reality and Science Fiction in Education, L and T 2024



Transfer Learning in Segmenting Myocardium Perfusion Images

NU Authors: [Yasmin E. Younis](#), [Sahar Fawzi](#), [Mustafa A. Elattar](#)

Source: Communications in Computer and Information Science



Utilizing genomic signatures to gain insights into the dynamics of SARS-CoV-2 through Machine and Deep Learning techniques

NU Authors: [Ahmed M.A. Elsherbini](#), [Amr Hassan Elkholy](#), [Youssef M.Fadel](#), [Ahmed Mohamed Elshal](#), [Mohamed Elhadidi](#), [Mohamed Mysara](#)

Source: BMC Bioinformatics (Impact Factor 2022: 3)

Publications on Scopus during March 2024

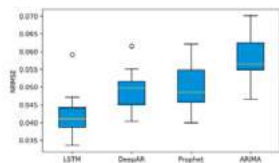
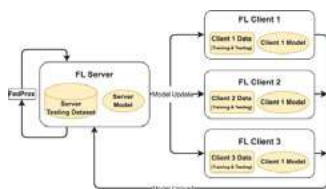


Fig. 14. Boxplot of NRMSE distribution of the four algorithms.

A complete artificial intelligence pipeline for radio frequency energy prediction in cellular bands for energy harvesting systems

NU Authors: [Ahmed F.Elnokrashy](#)

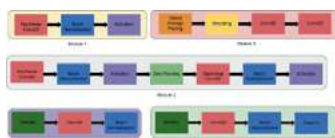
Source: Engineering Applications of Artificial Intelligence (Impact Factor2022: 8)



A Novel Approach to Breast Cancer Segmentation Using U-Net Model with Attention Mechanisms and FedProx

NU Authors: [Eyad Gad](#), [Mustafa Abou Khatwa](#), [Mustafa A. Elattar](#), [Sahar Selim](#)

Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)



A Robust Deep Learning Detection Approach for Retinopathy of Prematurity

NU Authors: [Khaled Moawad](#), [Ahmed Soltan](#), [Walid Al-Atabany](#)

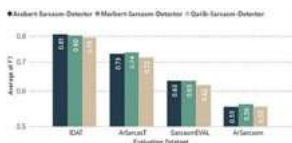
Source: Lecture Notes in Networks and Systems



AGS: Arabic GPT Summarization Corpus

NU Authors: [Abdelrahman Atef](#)

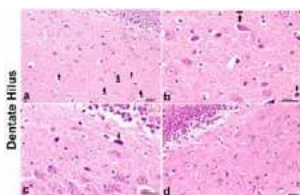
Source: 4th International Conference on Electrical, Communication and Computer Engineering, ICECCE 2023



Arabic sarcasm detection: An enhanced fine-tuned language model approach

NU Authors: [Mohamed A Galal](#), [Walaa Medhat Asal](#)

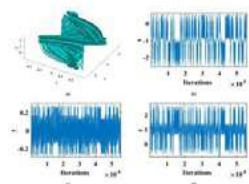
Source: Ain Shams Engineering Journal (Impact Factor2022: 6)



Cerebrolysin potentiates the antidepressant effect of lithium in a rat model of depression

NU Authors: [Engy K.Tharwat](#)

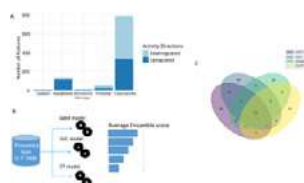
Source: Journal of Psychiatric Research (Impact Factor2022: 4.8)



Circuit realization and FPGA-based implementation of a fractional-order chaotic system for cancellable face recognition

NU Authors: [Ahmed G. Radwan](#), [Lobna A. Said](#)

Source: Multimedia Tools and Applications (Impact Factor2022: 3.6)

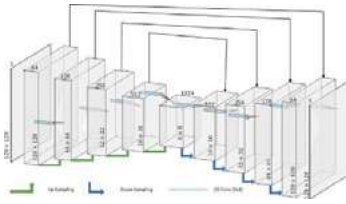


Comparative evaluation of multiomics integration tools for the study of prediabetes: insights into the earliest stages of type 2 diabetes mellitus

NU Authors: [Ahmed Tarek](#), [Mohamed El Hadidi](#)

Source: Network Modeling Analysis in Health Informatics and Bioinformatics (Impact Factor2022: 2.3)

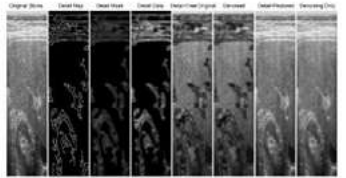
Publications on Scopus during March 2024



Cross-Modality Deep Transfer Learning: Application to Liver Segmentation in CT and MRI

NU Authors: [Mustafa A. Elattar](#)

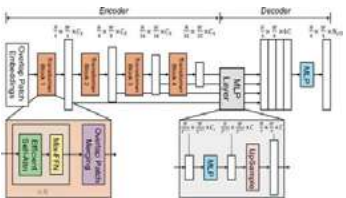
Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)



Edge Detail Preservation Technique for Enhancing Speckle Reduction Filtering Performance in Medical Ultrasound Imaging

NU Authors: [Ahmed F. Elnokrashy](#)

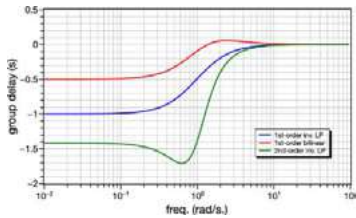
Source: International Journal of Advanced Computer Science and Applications (Impact Factor2022: 0.9)



Efficient Semantic Segmentation of Nuclei in Histopathology Images Using Segformer

NU Authors: [Marwan Khaled](#), [Mostafa A. Hammouda](#), [Hesham Ali](#), [Mustafa A. Elattar](#), [Sahar Selim](#)

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)



Elementary Negative Group Delay Filter Functions

NU Authors: [Ahmed S. Elwakil](#)

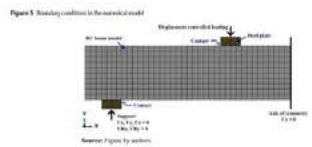
Source: Circuits, Systems, and Signal Processing (Impact Factor2022: 2.3)



Eucalyptus Oils Phytochemical Composition in Correlation with Their Newly Explored Anti-SARS-CoV-2 Potential: in Vitro and in Silico Approaches

NU Authors: [Hany A. Nagaty](#)

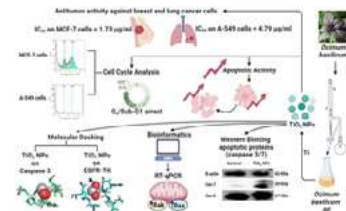
Source: Plant Foods for Human Nutrition (Impact Factor2022: 4)



Experimental and numerical investigation of preloaded recycled concrete beams strengthened with CFRP

NU Authors: [Yasser Mater](#)

Source: World Journal of Engineering (Impact Factor2022: 1.9)



Facile sonochemically-assisted bioengineering of titanium dioxide nanoparticles and deciphering their potential in treating breast and lung cancers: biological, molecular, and computational-based investigations

NU Authors: [Mohamad Maged](#)

Source: RSC Advances (Impact Factor2022: 3.9)

Genome-wide identification, phylogeny and expression analysis of the R2R3-MYB gene family in quinoa (*Chenopodium quinoa*) under abiotic stress

Yingying Ding^{1,2*}, Peng Tang^{1,2*}, Xuefeng Li^{1,2*}, Shihua Hassan³, Laila Hassan³, Huihui Sun⁴, Yuhua Xie⁵, Amina M. Abushady^{6,7}, Songshan Wang^{4,5}, Ruiquan Gu^{4,5}, Rongyan Wu¹, Min Sun^{1,2*} and Zhaoping Guo^{1,2*}

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Handling Editor: Sapit Fiaz

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Genome-wide identification, phylogeny and expression analysis of the R2R3-MYB gene family in quinoa (*Chenopodium quinoa*) under abiotic stress

NU Authors: [Asmaa Mohammed Aly Abushady](#)

Source: Functional Plant Biology (Impact Factor2022: 3)

Publications on Scopus during March 2024



Harnessing the supremacy of MEG3 LncRNA to defeat gastrointestinal malignancies
NU Authors: [H. H.Rashwan](#)
Source: Pathology Research and Practice (**Impact Factor2022: 2.8**)



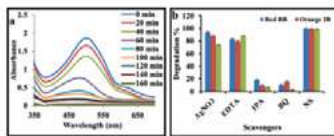
High gain antipodal meander line antenna for point-to-point WLAN/WiMAX applications
NU Authors: [Mohamed M. Gad](#), [Mai O.Sallam](#)
Source: Scientific Reports (**Impact Factor2022: 4.6**)



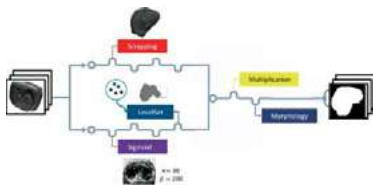
Identification and expression analysis of SBP-Box-like (SPL) gene family disclose their contribution to abiotic stress and flower budding in pigeon pea (Cajanus cajan)
NU Authors: [Asmaa Mohammed Aly Abushady](#)
Source: Functional Plant Biology (**Impact Factor2022: 3**)



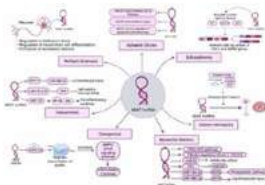
Integrated Analysis of Bulk and Single-Cell Transcriptomics in Cervical Cancer: Insights into BPGM, EGLN3, and SUN1
NU Authors: [Assem K. Elsherif](#), [Asmaa Mohammed Aly Abushady](#), [Mariam Gamaleldin](#), [Walid Al-Atabany](#), [Mohamed Elhadidi](#)
Source: Proceedings - 2023 IEEE 23rd International Conference on Bioinformatics and Bioengineering, BIBE 2023



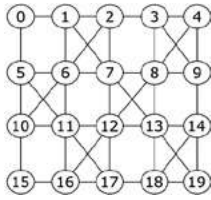
Interface engineered Ag-r-GO-CuFe2O4-Fe3O4 heterojunction an efficient photocatalyst for water treatment and toxicity study in Trifolium plants
NU Authors: [Hany A.Nagaty](#)
Source: Journal of Industrial and Engineering Chemistry (**Impact Factor2022: 6.1**)



Iterative Refinement Algorithm for Liver Segmentation Ground-Truth Generation Using Fine-Tuning Weak Labels for CT and Structural MRI
NU Authors: [Mustafa A. Elattar](#)
Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)



Publications on Scopus during March 2024



On the optimality of quantum circuit initial mapping using reinforcement learning
 NU Authors: [Ahmed H.El-Mahdy](#)
 Source: EPJ Quantum Technology (Impact Factor2022: 5.3)

IEEE Transactions on Circuits and Systems II: Express Briefs, Volume 70, Issue 3, Pages 3853–3857, 1 March 2023

On the Theory and Application of the Fractional-Order Dirac-Delta Function

Algor. Appl. 25 | Health, Smart S. 11-25

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²Florida International University, Department of Mechanical and Materials Engineering, Miami, 33199, FL, United States

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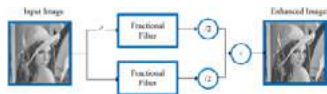
⁴Egypt University, Neuroinformatics Integrated Systems Center, Cairo, 12086, Egypt

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On the Theory and Application of the Fractional-Order Dirac-Delta Function

NU Authors: [Ahmed S. Elwakil](#)

Source: IEEE Transactions on Circuits and Systems II: Express Briefs (Impact Factor2022: 4.4)



Optimization of Double fractional-order Image Enhancement System

NU Authors: [Alaa AbdAlrhman](#), [Lobna A. Said](#), [Ahmed G. Radwan](#)

Source: Circuits, Systems, and Signal Processing (Impact Factor2022: 2.3)

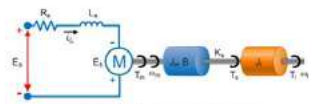
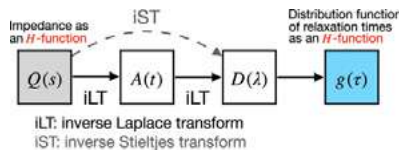


Figure 1: Schematic diagram of the DC motor with an additional load.

Optimized PID and NN-based Speed Control of a Load-coupled DC Motor

NU Authors: [Ángel Encalada-Dávila](#), [Kareim Mohamed Ellithy](#), [Mariam Salah Abdelhalim](#), [R. Shalaby](#)

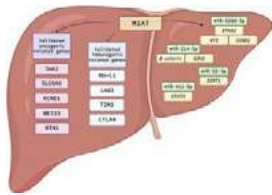
Source: Journal of Physics: Conference Series



Procedure for Obtaining the Analytical Distribution Function of Relaxation Times for the Analysis of Impedance Spectra Using the Fox H-Function

NU Authors: [Ahmed S. Elwakil](#)

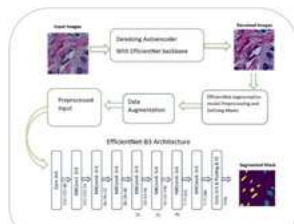
Source: Journal of Physical Chemistry C (Impact Factor2022: 3.7)



Puzzling out the role of MIAT LncRNA in hepatocellular carcinoma

NU Authors: [Montaser Bellah Yasser](#)

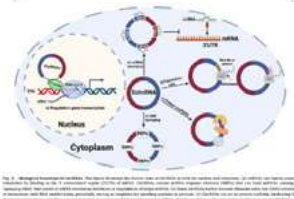
Source: Non-coding RNA Research (Impact Factor2022: 5)



Revolutionizing Cancer Diagnosis Through Hybrid Self-supervised Deep Learning: EfficientNet with Denoising Autoencoder for Semantic Segmentation of Histopathological Images

NU Authors: [Mostafa A. Hammouda](#), [Marwan Khaled](#), [Hesham Ali](#), [Sahar Selim](#), [Mustafa A. Elattar](#)

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)



Involvement of CircRNAs in regulating The “New Generation of Cancer Hallmarks”: A Special Depiction on Hepatocellular Carcinoma

NU Authors: [Ayman A.Mahmoud](#)

Source: Critical Reviews in Oncology/Hematology (Impact Factor2022: 6.2)

STUDENT LIFE



Student Life

NU Community Cherishes Lasting Memories from Ramadan 2024 Gatherings

Ramadan 2024 brought a sense of warmth and togetherness to the Nile University (NU) campus as students, faculty, and staff came together to celebrate the spirit of the holy month. The well-decorated tent, filled with excellent Ramadan vibes, created an extraordinary atmosphere that left lasting memories for the NU community.

The beautifully decorated tent, adorned with traditional Ramadan decorations and a welcoming ambiance, provided a serene setting for the gatherings. The atmosphere was filled with joy, gratitude, and a shared sense of appreciation for the blessings of Ramadan. A student representative from the Student Union said the Ramadan gatherings at NU this year were truly special and memorable.

It was heartwarming to see the NU community come together to celebrate this sacred month, sharing meals, conversations, and moments of reflection.

The Ramadan gatherings provided an opportunity for communal iftar meals and served as a platform for cultural exchange, interfaith dialogue, and mutual understanding among members of the NU community. Students, faculty, and staff from diverse backgrounds and beliefs came together in unity and harmony.



Student Life

Triumphs on the Chessboard: Celebrating Victories for NU Chess Club

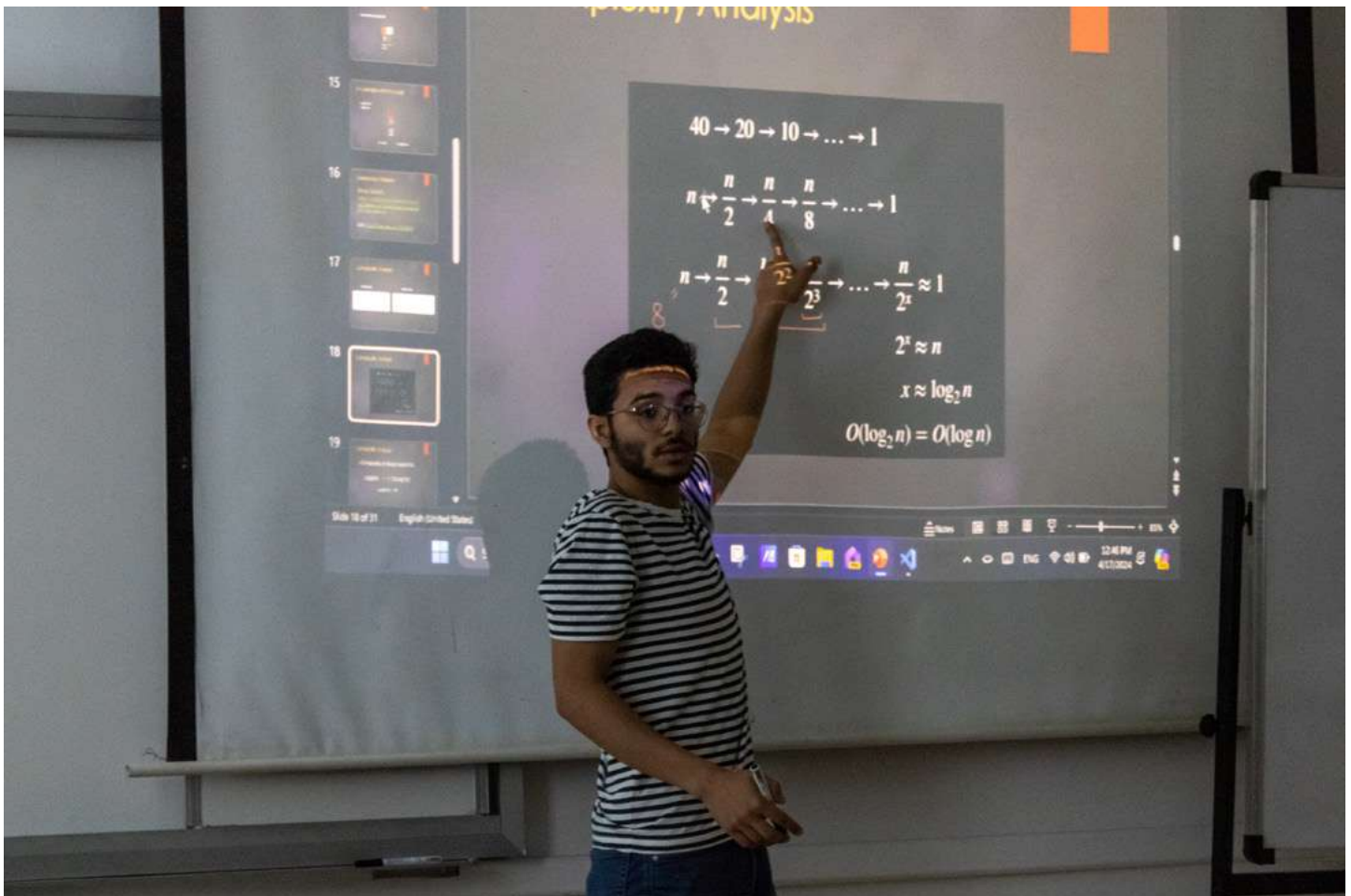


Our Chess Team triumphed in the 2024 Universities Chess League Tournament, claiming the top spot. Held at Ain Shams University, the competition was tough, with teams from Helwan University, Cairo University, and Ain Shams. Despite the challenges, our team's dedication and skill stood out, showcasing the strength of our club on the chessboard. Additionally, the NU Chess Tournament held at our university was a thrilling event, drawing chess enthusiasts from all over campus. Participants displayed their strategic skills and sportsmanship, creating a memorable experience. Thanks to our partnership with Chess.com, we rewarded the top 3 winners with premium accounts, encouraging excellence in chess within our community.

Student Life

ICPC Club: Team Formation Contests and Sessions

In our quest for success in the ECPC competition, the ICPC Club adopts a strategic approach to team formation. We conduct online and offline contests to assemble top-tier teams with aligned mindsets and skills, ensuring synergy and optimization. These contests bring together individuals with similar perspectives or expertise, enhancing collaboration and maximizing innovation potential. Additionally, programming sessions led by experienced mentors sharpen technical skills and cultivate critical thinking. Through these initiatives, the ICPC Club aims to nurture competitive programming talents, empowering teams to excel in competitions and future endeavors in computer science.



Student Life

IEEE Nile University Branch Receives IEEE Region 8 Darrel Chong Award Gold Medal



I am thrilled to announce that the IEEE Nile University Branch has clinched the prestigious IEEE Region 8 Darrel Chong Award Gold Medal not once but twice. First, for hosting the Egyptian Space Summit Second Edition, and second, for the meticulously crafted and hosted “She Leads” event by IEEE WIE NU. The Darrel Chong Student Activity Award recognizes exemplary student activities worldwide, fostering knowledge sharing and innovation among students.

Student Life

Nile University's Enactus Team Tops GIZ Egypt Qualifiers

Enactus Nile University has achieved a remarkable feat by securing the top spot in the final qualifiers of the GIZ Agri-Genius Special Competition Egypt. This achievement highlights the team's dedication to innovation and sustainable agricultural practices. The GIZ Agri-Genius Special Competition promotes agricultural entrepreneurship and addresses food security challenges. Enactus Nile University's success in the qualifiers underscores its commitment to creating a positive social impact through entrepreneurial action in the agricultural sector.



Student Life

NIMUN and Lebaladna: Joining Forces Against Hunger

NIMUN and Lebaladna teamed up for a remarkable initiative to fight hunger. Together, they prepared and distributed over 1500 meals to those in need, showing the power of unity in tackling social issues. Their compassion and action make a meaningful difference in our community's quest for zero hunger.



Student Life

3-on-3 Basketball Tournament

Zayed Boys secured the championship title at Nile University's Ramadan 3-on-3 Basketball League hosted by Nile University's Student Union. In a competitive tournament featuring six teams, Zayed Boys emerged victorious with a thrilling two-point lead. Congratulations to the champions and all the teams for an exciting competition!



ALUMNI



Alumni

Muhammad Sameh: Pioneering Postgraduate Alumnus in Technology Management

We proudly celebrate Mr. Muhammad Sameh, a distinguished alumnus who graduated with a master's in technology management in 2014. His career showcases the power of education, from co-founding Etisalat ISP (Egynet) to leading IM Holding, a telecom conglomerate. IM Holding offers cutting-edge digital solutions globally, with subsidiaries like Pyramakerz Technologies SAE and Champions Group—Mr. Sameh's commitment to sustainability led to ventures like Tadweer for Plastic Recycling. Recognized with the Best CEO Award, he inspires thousands through his insights, epitomizing resilience, innovation, and excellence in shaping the future of technology and business.



Spotlight on Success: Ahmed Elficki Clinches 2nd Place at Stellantis Customer Centricity Competition

We're excited to share the achievement of Ahmed Elficki, who secured 2nd place in the Spare Parts Advisor category at the recent Customer Centricity Competition by Stellantis Automotive Manufacturer. Ahmed, a 2022 graduate in Mechatronics from the School of Engineering and Applied Sciences, currently serves as a Stock Control Engineer at Ezz-Elarab Automotive Group. His success reflects his dedication, showcasing the quality education the School of Engineering and Applied Sciences provides.



Alumni

Moryant Freig: Shaping the Future of Talent Management at Majid Al Futtaim

We're excited to spotlight Moryant Freig, a distinguished alumna from our School of Business Administration. Recently appointed Regional Talent Sourcing & EB Senior Specialist at MAF Global Solutions - Majid Al Futtaim, Moryant's career journey began here, where she laid the foundation for her success. With a Master's degree in International Business and rich experience at esteemed organizations like Porsche and Banque Misr, she's poised to shape talent management across the region. Her story showcases the impact of our academic programs and global opportunities for



Malak Hamza: From Business Graduate to Olympic Hopeful

The Alumni Office is dedicated to recognizing our graduates' career and academic accomplishments and shining a light on their diverse talents and exceptional achievements across various fields. Today, we are thrilled to celebrate the remarkable feats of Malak Hamza, a distinguished alumna of our School of Business Administration, who majored in Integrated Marketing Communication and graduated in 2023

