Dina M. Saadallah

Associate Professor Faculty of Engineering – Alexandria University.
Urban Designer/planner – GIS Specialist
Executive Director of Career Development Center, Alexandria university (CDC)

6 Ismalia street- intersection with fariad bek- kafr abdo, Alexandria, Egypt.
☎ *Home* (203) 5446637, *Office* (203) 5441518, *Mob*. (2012) 00650131
@ Dina.saadallah@alexu.edu.eg – Dinasaadallah@gmail.com – dina_saadallah@hotmail.com

Marital Status: Married
Nationality: Egyptian
Date of Birth: January - 01- 1983

ACADEMIC AND PROFESSIONAL EXPERIENCE

06/2020- Present

Associate Professor, Faculty of Engineering, Architectural Department, Alexandria University, Egypt.
Instructed and assisted in teaching several undergraduate/graduate courses and programs, responsible mainly for Geographic information system (GIS) teaching, urban design and planning design studios, smart cities, and theories of urban planning and housing. Preparation of Architectural Engineering Postgraduate Bylaws 2022

10/2014- 05 /2020

Assistant Professor, Faculty of Engineering, Architectural Department, Alexandria University, Egypt.
Instructed and assisted in teaching several undergraduate courses specialized in Geographic information systems lab (GIS) Responsive urban planning to climate change Architectural Design/ Urban Design Projects, Urban Infrastructure, Urban spaces, Architectural Landscape, and Site Analysis

09/2009- 08 /2014

Assistant lecturer, Faculty of Engineering, Architectural Department, Alexandria University, Egypt.
Assisted in teaching several undergraduate courses specialized in Geographic information systems lab (GIS), Architectural Design/ Urban Design Projects, Architectural Landscape, and Site Analysis

2021- present

CO-PI For Community University Urban Lab for Interactive Learning and Innovative Societal Solutions **(UC-URBAN LAB)** project funded by the Science and Technology Development Fund (STDF), it is an open platform for big data handling and GIS Data processing, offering Interactive Learning and Innovative Societal Urban Solutions, concerned with mapping, visualizing and creating interactive dashboards. Carrying out an agreement with ESRI to provide GIS enterprise software to the University. That enables establishing the 'Urban Lab' in the Faculty of Engineering, including a GIS enterprise system for urban projects/research.

06/2022- Present

Executive Director of Career Development Center (CDC), Alexandria University, Egypt.
Role and Responsibilities:

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Capacity Building: Overseeing the development of programs and initiatives that equip students and graduates with the skills necessary to succeed in the job market.

Market Needs Analysis: Identifying current and emerging trends in the job market to ensure our programs align with industry demands.

Entrepreneurship Education: Fostering entrepreneurial spirit and providing resources to support students who aspire to start their businesses.

2021- 2022

Urban Planner and GIS expert at Alexandria University Centre of Excellence for Smart Urban Governance **(ALEXU-COE-SUG)** project # 45852 funded by the Science and Technology Development Fund (STDF). The project involves mapping certain slum areas in Alexandria city and creating geographical data to formulate urban planning interventions and solutions.

09/2021- Present

Executive Director of University Centre for Career Development (UCCD), Faculty of Engineering, Alexandria University, Egypt.

Role and Responsibilities:

Managing the work plans for the capacity building of students and graduates to meet the market needs, providing soft skills, employability, and entrepreneurial skills.

Soft Skill Development: Providing training and workshops in essential soft skills, such as communication, teamwork, problem-solving, and leadership.

Employability Enhancement: Implementing strategies to improve students' employability, including resume writing, interview preparation, and networking.

Organizing technical seminars, roundtables with industry, and job fairs.

2018- 2021

Visiting professor, Pharos University, Alexandria, Egypt.

Instructed and assisted in teaching several undergraduate courses specialized in Geographic information systems (GIS), Architectural Design/ Urban Design Graduation Projects

2020- 2024

Alexandria Governorate & University of Alexandria

Role and Responsibilities:

Physical Planner

Preparation of urban strategic and planning guidelines and plans for Alexandria city.

Preparation of Alexandria Downtown Development Guideline plan with Alexandria Governorate

Preparation of technical reports and detailed strategic urban plan for unplanned areas in Alexandria, (Amreya).

Planning Team member, GIS Expert

Detailed Master plan for the new areas added to Alexandria city urban areas and urban planning Guidelines.

GIS Expert, Team Leader

Heading a committee for creating a GIS database for Alexandria University ownership and Assets, the project between Alexandria University and the Ministry of Higher Education (MOHESR) to create an interactive dashboard.

GIS Expert

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Creating GIS database for the facilitation of releasing building permits in Alexandria city, Member of Building Committee permits Alexandria University.
GIS Trainer
Implemented GIS training for local authorities and Alexandria University employees.

2018- 2019

Team Leader and Physical Planner
Heading the project *"Egypt without Slums in 3 Years"* under the supervision of the former Ministry of Urban Renewal & Informal Settlements – detailed report and assessment needs for each area, setting priorities per the needs of the community.

2015- 2018

Planning Team Member
Preparation of the strategic regional plan for the Northwest coast of Egypt (Matruh governorate), including the coastal zone, hinterland, and oases.
formulation of technical and final reports.
Preparation of the Environmental Profile and Spatial Analysis of the Egyptian Regions. With General Organization for Physical Planning (GOPP) – Alexandria University.

2013- 2018

GIS Trainer
Capacity building program was held including GIS with participatory planning for local authorities.

2007- 2010

GIS Analyst
GIS assistant in urban development and Housing projects, data mining, and analyzing using Geographic information systems. In Bibliotheca Alexandrina / Alex-Med/ The Alexandria and Mediterranean Research Center (Architecture unit)

INTERNATIONAL ACADEMIC EXPERIENCE

2020- 2023

CO-Pi for Alexandria team and senior researcher to the project SEED4NA Erasmus +: Spatial Data Infrastructures (SDI) and Earth Observation Education (EO) and Training for North Africa led by KU Leuven and different partners from ITC, Bochum, Zagreb, Morocco, Tunisia, Algeria. The project aims to improve the quality of higher education in the fields of SDI and EO and to enhance its relevance for the labor market and society through the development of new and innovative SDI/EO curricula and the improvement of existing curricula.
Visiting professor KA107 Mobility Project to support the exchange of academic staff between the University of Catania and Alexandria University, Egypt. Courses for a whole year virtually due to covid, related to my expertise in geographic information systems and climate change adaptation

06/2022

Visiting professor for the Geodesy University of Zagreb, Croatia, part of the KA107 Mobility Project Mobility program.
Role and Responsibilities:
Teaching lectures: Delivering lectures on specialized topics on Smart cities integrating GIS in Urban planning problems and public participatory GIS.

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*Research Collaboration***:** Engaging in joint research projects and publishing academic papers with faculty members, fostering knowledge exchange and innovation.
*Knowledge Sharing***:** Sharing expertise and insights from my experience on GI.
Building International Connections: Strengthening the university's ties with international institutions and researchers.

Junior Researcher Junior researcher for the Tempus (EU) project: "Integration of Environmental Aspects and Modern Technology (GIS and RS) and Pedagogic (e-Learning) in Egyptian Higher Education with Special Focus on Planning" - "JEP_34081_2006" between Alexandria University, Lund University, ITC, KTH & Benha University (Developing six pedagogic and e-learning courses that integrate environmental and planning processes using new technologies - GIS and RS)

EDUCATION AND

INTERNATIONAL TRAINING

Faculty of Engineering, University of Alexandria, Egypt (2010-2014)
     Ph.D. in Urban Planning
- Thesis Title: **A Polycentric Development Model Based on Space Syntax Simulation Tool: Case Study Of Alexandria**

Faculty of Engineering, University of Alexandria, Egypt (2005-2009)
     M.Sc. in Architecture and Urban Design
- Thesis Title: **Management of Urban Growth and Its Impact on the Urban Environment. Case Study of Wadi El Natrun .**

Faculty of Engineering, University of Alexandria, Egypt (2000-2005)
     B.Sc. in Architecture
- Urban Design Section with an overall grade of Very Good with Degree of Honor, Alexandria (82.8%), Egypt. (1st in class).
- Graduation Project: **Conservation of kom El Dikka Culturally and historically through Said Darwaish Street, Alexandria, Egpyt. <u>Project grade</u>: Excellent.**

NIRAS, Sweden   (2013-2014)
    International Training Program Integrated Sustainable Coastal Development ISCD, MENA region

E-Learning Program of Lund University, Sweden (2007-2009)
  Certified: from E-Learning Program of Lund University (Sweden) **GIS** Centre of master's program in **GIS** (**LUMA**-**GIS**). The Internet-based distance learning program from Alexandria University, Egypt, LUND University, and KTH, Sweden.
     Introduction to GIS
     Introduction to Remote Sensing Techniques
     Basic Environmental Science
     Applied GIS and RS for environmental indicators
     Novel planning concepts and methodologies

ESRI, 2021
   Spatial Data Science: The New Frontier in Analytics.

COMPUTER SKILLS AND COMPETENCE

Geographical Information Systems: ARC/INFO and ArcGIS (9. x , 10. x) , ARC GIS Pro, UPlan (software for urban /transportation simulation),   UCL Depthmap7 (Depthmap is primarily a computer program to perform Visibility analysis of architectural and urban systems) , QGIS with space syntax toolkit.
 Environnemental simulation model: Envi- met
Data Analysis: R Language
Statistical software: SPSS
Software for qualitative research: NVivo
Microsoft Office 2007 (Word – Excel – PowerPoint)
 CAD: AutoCAD
 Graphics: Adobe Photoshop, SketchUp PRO

COURSES ATTENDED

Geographic Information System: 2006, 2011 (E-learning course by Lund University, Sweden)
An Introduction To GIS, Advanced Application in GIS
Fundamental of the labor market information, American University
Macromedia Flash MX
 Mastering 3ds max: 36 hours , Center: The American University   Center for Adult Learning and Continuing Education / Alexandria
Leading and preparing competitive research projects, 2019,   15 hours
Digital Content and Technological Tools in Teaching, 2015, 15 hours
Decision-making and problem-solving, 2009, 15 hours
Statistical surveying, 2009, 15 hours
University Code of Ethics,2009, 15 hours
Writing Scientific Papers and International publications, 2009, 15 hours
Exam and Student Systems, 2009
Communication Skills, 2007, 15 hours
Effective Teaching (T1), 2007, 15 hours
 Research Methodology, 2007, 15 hours
 Financial and Legal Affairs (L3), 2008**,** 15 hours
 Credit Hours (D1), 2008, 15 hours
 Faculty and Leadership Development Center (FLDC)

PERSONAL SKILLS AND COMPETENCES

Desire to apply skills and knowledge acquired throughout educational and practical experiences, in a challenging job working effectively alone or as a co-operative team member.

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Mother tongue(s) : Arabic
Other Language (S) : English , German

	Understanding		Speaking		Writing
	Listening	Reading	Spoken Interaction	spoken Production	
English	B2 proficient user	B2 proficient user	B2 proficient user	B2 proficient user	B2 proficient user
German	A2 Basic User	A2 Basic User	A2 Basic User	A2 Basic User	A2 Basic User

ATTENDED CONFERENCES AND WORKSHOPS

ASCAAD 2007: Embodying Virtual Architecture, Third International Conference of the Arab Society for Computer-Aided Architectural Design- Bibliotheca Alexandria.

Workshop December 2009: held by the DAAD: How to write a thesis, Alexandria, Egypt.

Workshop 2010: Held by The Mies Van der Rohe Foundation: Istanbul International Workshop Mediterranean cities held between 18 th June to 1st July, at Istanbul, turkey.

Workshop 2010: Held by InWent, Capacity Building International, Germany and German Technical Cooperation GTZ: Sustainable Architecture & Urbanism Module, 28th November - 1st December 2010,at Bibliotheca Alexandrina , Alexandria/Egypt.

ICUTS 2013: international conference on urban transformation and sustainability, France, Paris.

DCA _European Conference 2016, Istanbul, Turkey.

11th international space Syntax Symposium 2017, held by UCl and Institute "INSTITUTO SUPERIOR TÉCNICO", University of Lisbon, Portugal.

1st international conference on urban health & wellbeing UHWB2018 Building Collaborative Intelligence for Better Lives in Cities, October 23:25/2018, Beirut, Lebanon.

12 th International Space Syntax Symposium, 2019, held by Beijing Jiaotong University, 8th till 13 th of July, Beijing, China.

AWARDS

Mies Van der Rohe Foundation (06/ 2010)
Awarded first prize in Istanbul International Workshop Held by The Mies Van der Rohe Foundation: International Workshop for all Mediterranean cities held between 18th June to 18 July, at Istanbul, Turkey, for development of the historical downtown of Istanbul.

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SCIENTIFIC PUBLICATIONS

*ORCID:*HTTPS://ORCID.ORG/0000-0001-8718-8410
Scopus: Scopus ID : 7196032767
GOOGLE SCHOLAR :   HTTPS://SCHOLAR.GOOGLE.COM/CITATIONS?HL=EN&USER=P5O--0KAAAAJ

Othman, Esraa, Iva Cibilić, Vesna Poslončec-Petrić, and Dina Saadallah. 2024. "Investigating Noise Mapping in Cities to Associate Noise Levels with Sources of Noise Using Crowdsourcing Applications" Urban Science 8, no. 1: 13. https://doi.org/10.3390/urbansci8010013.

Sara M. Ibrahim, Hany M. Ayad, Eslam A. Turki, Dina M. Saadallah, Measuring Transit-Oriented Development (TOD) levels: Prioritize potential areas for TOD in Alexandria, Egypt using GIS-Spatial Multi-Criteria based model, Alexandria Engineering Journal, Volume 67, 2023.

Sara M. Ibrahim, Hany M. Ayad & Dina M. Saadallah. Planning transit-oriented development (TOD): a systematic literature review of measuring the transit-oriented development levels. International Journal of Transport Development and Integration, Volume 6 (2022), Issue 4

Sarah M. Sabry, Hany M. Ayad, Dina M. Saadallah. 2021. MEASURING TRANSIT-ORIENTED DEVELOPMENT LEVELS: A METHODOLOGICAL FRAMEWORK TO INCORPORATE THE USER INTO MODELLING. 27th International Conference on Urban and Maritime Transport and the Environment 2021, Volume: 204

Lojain M. Okacha, Dina M. Saadallah, Kalid El Haggla. 2021. Framework for an Effective Public Participation Process in the Urban Development of City Centers–the Case of Alexandria, Egypt. REAL CORP, ISBN 978-3-9504945-0-1

Menna Osman, Hassan Abdel-Salam, Dina M. Saadallah. 2021. Influence of Users' Socio-Economic Background on the Perception and Involvement of Urban Spaces. REAL CORP, ISBN 978-3-9504945-0-1

Dina Farag, Dina M. Saadallah, Hany M. Ayad. 2021. Assessing the Impacts of Urban Determinants on Physical Activity Engagement: An Applied Study on Residents of Alexandria City, Egypt. REAL CORP, ISBN 978-3-9504945-0-1

Salaheldeen, Mohammed; Farghali, Tarek; Saadallah, Dina M. (2021): Achieving resilience in COVID-19's New Normal: Changes in office buildings and workspaces design according to social distancing and teleworking parameters. figshare. Conference contribution. https://doi.org/10.6084/m9.figshare.17329751.v2.

S. U. Zeid & Dina. M. Saadallah. 2022. Construction of Islamic Feature using Parametric Approach. International Journal on: The Academic Research Community Publication. DOI: 10.21625/archive. ISSN (Print: 2537-0154, online: 2537-0162)

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Aya Abdelmoaty, Dina Saadallah, Ali Bakr. 2021. Gender Mainstreaming and Women's Involvement in Urban Planning Strategies. Second Arab land Conference, Cairo.

Nourhan M. Waly, Hany M. Ayad, Dina M. Saadallah. 2020." Assessment of Spatiotemporal Patterns of Social Vulnerability; A Tool to Resilient Urban Development Alexandria, Egypt". ASEJ, EL sevier.

Sara M. Ibrahim, Hany M. Ayad, Dina M. Saadallah.2020. "Measuring Transit-Oriented Development (TOD) levels: A Methodological framework to incorporate user into modeling". 9th International Conference on Transportation and Traffic Engineering (ICTTE 2020), Naples, Italy.

Yahya Ahmed Soliman, Dina M. Saadallah, Ali Fouad Bakr.2020. "Governance and Sustainability Transitions on New Urban Expansion: Alexandria Case, Egypt", The 11th International Sustainability Transitions Conference, 18-21 August, Vienna, Austria.

Mary Zekry, Khalid Al Hagla, Dina M. Saadallah. 2020. "Urban governance as a tool for enhancing resilient urban from: Case study Alexandria, Egypt". 25th International Conference on Urban Planning and Regional Development in the Information Society, Shaping Urban Change Livability City Regions for the 21st Century, REAL CORP, Germany. ISBN 978-3-9504173-8-8 (CD), 978-3-9504173-9-5 (print).

Nouran Naguib, Hassan Abdel-Salam, Dina Saadallah.2020. "Optimizing the Performance of Public Open Spaces by Enhancing the Human Thermal Comfort". 25th International Conference on Urban Planning and Regional Development in the Information Society, Shaping Urban Change Livability City Regions for the 21st Century, REAL CORP, Germany. ISBN 978-3-9504173-8-8 (CD), 978-3-9504173-9-5 .

Hisham Negm, Dina Sameh Taha, Dina M. Saadallah. 2020. "The Effect of the Physical Environment on Social Interaction: The Case of Educational Campuses". 25th International Conference on Urban Planning and Regional Development in the Information Society, Shaping Urban Change Livability City Regions for the 21st Century, REAL CORP, Germany. ISBN 978-3-9504173-8-8 (CD), 978-3-9504173-9-5 .

Dina M. Saadallah. 2020. Utilizing Participatory Mapping and PPGIS to Examine the activities of local communities. Alexandria Engineering Journal, (2020), Volume 59, Issue 1, 263-274, El sevier. https://doi.org/10.1016/j.aej.2019.12.038

Aya Algoday, Hany Ayad, Dina M.Saadallah. 2019. Investigating the relationship between attributes of the built environment and adult obesity in Alexandria, Egypt. Alexandria Engineering Journal, (2019) 58, 1089–1097, El sevier.

Ahmed Atef El Sawy, Hany M. Ayad, Dina M. Saadallah. 2019. Assessing Livability of Residential Streets; Case Study: EL-ATTARIN, ALEXANDRIA, EGYPT. Alexandria Engineering Journal, (2019) 58, 745–755, El sevier.
Dina M. Saadallah. 2019." Integrated Urban Planning Process based on creating Weighted spatial model: A Case Study of Airport Lake (El Matter Lake) in Alexandria, Egypt. 12th International Space Syntax Symposium, Beijing, China.

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Dina M. Saadallah, Gehad M. Abd El Wahed. 2019 "Indexing Cultural Heritage Values As A Tool for the Design of Tourists' Thematic Routes: Incorporating QGIS with Space Syntax Approach". 12th International Space Syntax Symposium, Beijing, China.

Dina M. Saadallah. 2019 "Integrated Urban Planning Process based on creating Weighted spatial model: A Case Study of Airport Lake (El Matter Lake) in Alexandria, Egypt. 12th International Space Syntax Symposium, Beijing, China.

Asmaa Abdelrahman, Khalid Al-Hagla, Dina M. Saadallah. 2018. The role of landscaping elements in enhancing passive and active engagement in urban promenade: The case of Pharos Promenade, Alexandria, Egypt. Alexandria Engineering Journal, el sevier.

Dina M. Saadallah. 2018 "Modelling the interactions between Urban Heat Island and Urban Geometry "BAU JOURNAL: CREATIVE SUSTAINABLE DEVELOPMENT, SPECIAL EDITION: 1st international conference on urban health & wellbeing UHWB2018 Building Collaborative Intelligence for Better Lives in Cities, October 23:25/2018, Lebanon.

Dina M. Saadallah. 2017 "Enhancing City Urban Planning Process through integrating GIS with Space Syntax Simulation Tool. 11th International Space Syntax Symposium, Lisbon.

Gehad M. Abd El Wahed, Kalid E. Haglaa, Dina M. Saadallah. 2017 " The interpretation qualities of built heritage as a motivating force for Tourist`s route choice behavior, Turkish Town, Alexandria, Egypt. 11th International Space Syntax Symposium, Lisbon.

 Yazid Al-Darwish, Hany M. Ayad, Dina S. Taha, Dina M. saadallah. 2017. Predicting the future urban growth and it's impacts on the surrounding environment using urban simulation models Alexandria Engineering Journal, El sevier .

Ahmed Atef El Sawy, Hany M. Ayad, Dina M. Saadallah. 2017. Livable Streets: Assessing the Impact of Vehicle Traffic on the Residential Quality of Life Case Study: El-Attarin, Alexandria, Egypt. January 2017 SSRN Electronic Journal DOI: 10.2139/ssrn.3164266.

Pakinam Ashraf, Hany M. Ayad, Dina M. Saadallah. 2017. Sense of Community and Built Environment: How Can Built Environment, Social Economic Conditions and History of Place Shape Our Sense of Community. International Journal of Engineering and Advanced Technology.

Sarah M. Sabry, Hany M. Ayad, Dina M. Saadallah. 2017. Assessing the factors associated with Urban Mobility Behaviors: Case studies from Alexandrian Neighborhoods, Egypt. International Journal of Engineering and Advanced Technology.

Dina M Saadallah, Hany M. Ayad, Ibethal Y. Elbastawissi. 2015 " Integrating GIS with Space Syntax to investigate the centers and sub-centers in Alexandria city, Egypt. DCA _European Conference 2016, Istanbul, Turkey.
Dina M Saadallah, Hany M. Ayad, Ibethal Y. Elbastawissi. 2013" Identification of Evolving Metropolitan Sub-Centers: A GIS-Based Method" ICUTS 2013: international conference on urban transformation and sustainability, France, Paris.

Hany M. Ayad, Dina M Saadallah, Hany S. Abd el Azeem. 2011. Investigating Urban Growth Scenarios in Wadi El Natrun Area, Egypt using the UPlan land use allocation Model.   Journal of Land Use Science, Taylor and Francis.

Bakr, A., Saadallah, D. 2007 " Strategic Planning Through Mapping of Water Pollution in Lack of Information System Utilizing Geographic Information System, Lake Maryout, Alexandria."   ASCAAD   2007: Embodying Virtual Architecture 3rd International Conference of the Arab Society for Computer Aided Architectural Design- Bibliotheca Alexandria.

Bakr, A., Saadallah, D., Ismail, E..2007 " Detecting Inefficient Lighting Solutions: Step by – Step Geographic Information System (GIS) Technique", in ASCAAD 2007: Embodying Virtual Architecture 3rd International Conference of the Arab Society for Computer Aided Architectural Design- Bibliotheca Alexandria.

ACHIEVEMENTS

Organization of Alexandria Job fair for students and graduates since 2021 inviting more than 200 companies and serving more than 5000 graduates and students to get jobs, internships, and summer training

Establishing a Digital platform to combine all the data of students, graduates, and companies .

Establishing "**UC-URBAN LAB** "University Community Urban Lab for Interactive Learning and Innovative Societal Solutions.

Establishing a "Center of excellence " at Alexandria University for slum areas upgrading and Smart Cities technologies.

Establishing an Urban Planning Group: The Group named (GUPA): Group for Urban Planning Awareness is currently involved in Capacity Building Programs, and community awareness. The Group carried out important workshops for undergraduate students entitled:" Awareness on Integrated Planning ", "Revitalizing Central Business District ", " Workshop for Young City Changer".
These workshops were conducted in collaboration among staff and professionals in Urban and regional planning through seminars/workshops.

Organizing a National Seminar, that was held between different parties concerned with the planning process: members of the general organization for physical

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planning, Academia members, and Shore Protection Authority (SPA), in the university to strengthen the network and strengthen collaboration.

Member of the editorial board and Reviewer for scientific Manuscripts for several international journals such as   Architectural Engineering and Design Management, and *Geo-Spatial Information Science*. Taylor and Francis

MEMBERSHIPS

Member in the Egyptian Engineers Syndicate, number of membranes:
20 / 04174
Member of the Egyptian Planning Society
Member of the Egyptian Geographic Society

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