

# CURRICULUM VITAE



## Prof. Dr. Mostafa Toni

Professor of Geophysics  
Faculty of Science, Helwan University, Cairo, Egypt  
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<http://fldc.helwan.edu.eg/?p=66>

<https://scholar.google.com/citations?user=f23R2ToAAAAJ&hl=en>

<https://www.scopus.com/authid/detail.uri?authorId=57188736400>

[https://www.researchgate.net/profile/Mostafa\\_Toni](https://www.researchgate.net/profile/Mostafa_Toni)

### Personal Information:

**Full Name:** MOSTAFA SARHAN ABDELHAKAM TONI

**Date and Place of Birth:** 7 Aug. 1979, El Menia, Egypt

**Nationality:** Egyptian

**Languages:** Arabic (native), English, and German

**Religion:** Muslim

**Marital Status:** Married

**Country of Residence:** Cairo, Egypt

### Qualifications:

Degree/Specialization	University/Institute	Year
PhD Applied Geophysics	Faculty of Science, Assiut University (Egypt), <u>co-supervision</u> with the Geophysical Institute, Karlsruhe Institute of Technology (KIT), (Germany), as a Channel-System Grant from the German Academic Exchange Service (DAAD). <b>Thesis Title:</b> "Site Response and Seismic Hazard Assessment for the Southern Part of Cairo City, Egypt".	2012
M.Sc. Geophysics	Faculty of Science, Assiut University, Egypt. <b>Thesis Title:</b> "Geotechnical and Site Effect Studies in Hurghada City, Red Sea, Egypt".	2007
B.Sc. Geophysics	Faculty of Science, Assiut University, Egypt.	2000

### Career History:

Position	from	to
Professor (Full) of Geophysics & Seismology Geology Dept., Faculty of Science, Helwan University, Cairo, Egypt.	2022	Present

<b>Earthquake Expert (Technical Advisor)</b> Geohazard Center, Saudi Geological Survey, Jeddah, Kingdom of Saudi Arabia.	Mar. 2022	Dec. 2024
<b>Associate Professor of Geophysics &amp; Seismology</b> Geology Dept., Faculty of Science, Helwan University, Cairo, Egypt.	2017	2022
<b>Assistant/Associate Professor of Seismology</b> Geology Dept., Faculty of Science, Alexandria University, Alexandria, Egypt.	2016	2020
<b>Visiting researcher</b> , International Institute of Seismology and Earthquake Engineering (IISEE), Building Research Institute (BRI), Tsukuba, Japan.	July 2017	Nov. 2017
<b>PostDoc researcher</b> , Geophysical Institute - Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany.	July 2014	Jan. 2015
<b>Assistant Professor of Engineering and Environmental Geophysics</b> Geology Dept., Faculty of Science, Helwan University, Cairo, Egypt.	2014	2017
<b>Researcher at Seismology Department</b> , National Research Institute of Astronomy and Geophysics (NRIAG), Cairo, Egypt.	2012	2014
<b>PhD student</b> , Geophysical Institute - Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany.	2009	2011
<b>Researcher Assistant, Geodynamic Department</b> , National Research Institute of Astronomy and Geophysics (NRIAG), Cairo, Egypt.	2001	2009

Scholarships/Fellowships/Grants	Country	from	to
<b>Fellowship</b> , International Institute of Seismology and Earthquake Engineering (IISEE), Building Research Institute (BRI).	Tsukuba, Japan	July 2017	November 2017
<b>Postdoctoral Fellowship</b> , Geophysical Institute, Faculty of Physics, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany.	Karlsruhe, Germany	July 2014	January 2015
<b>PhD Grant</b> , Geophysical Institute, Faculty of Physics, Karlsruhe Institute of Technology (KIT), Germany, offered by the German Academic Exchange Service (DAAD).	Karlsruhe, Germany	June 2009	September 2011
<b>Scholarship</b> , Physics Department, Federico II University.	Napoli, Italy	June 2008	September 2008

### **Work Experiences:**

- 1- Seismic data processing: (Determination of earthquake locations and magnitude, determination of earthquake source mechanism and dynamic parameters).
- 2- Site response characterization using microtremor data.
- 3- Determination of seismic velocities (P and shear waves) using refraction and surface waves inversion techniques (MASW, f-k, SPAC, CCA, inversion of ellipticity curve).
- 4- Installation and operation of crustal deformation (GPS) stations.
- 5- Participated in site effect estimation and seismic hazard assessment for Jizan industrial city, Saudi Arabia (2024).

- 6- Participated in the assessment of volcanic and seismic hazard and risk mitigation solutions for Harrat Al-Shaqah (Lunayyir) area, Saudi Arabia (2024).
- 7- Participated in the calculation of earthquake scenarios of the Gulf of Aqaba and estimation of expected losses (2023).
- 8- Participated in site effect estimation and seismic hazard assessment for Yanbu Industrial City, Sudi Arabia (2023).
- 9- Participated in the geophysical studies of the proposed site for the construction of the Nuclear Power Plant, El Dabba area, Mediterranean Sea Coast, Egypt (2006-2013).
- 10- Participated in the geotechnical site investigation projects in different areas in Egypt and Saudi Arabia.
- 11- Drawing geological maps using GIS and GMT Software.
- 12- Computer skills: (Windows, Linux).

### **Academic Experiences:**

- 1- University teaching for undergraduate and postgraduate levels.
- 2- Supervision of postgraduate students (16 Master theses and 3 PhD dissertations).
- 3- Participation in thesis defense and oral examination committees (5 Master thesis and 2 PhD dissertation).
- 4- Head of Geophysics Section, Geology Department, Faculty of Science, Helwan University (2017-2020).
- 5- Certified Trainer of Human Resources Development (HRD) at the Faculty and Leadership Development Center (FLDC), Helwan University, Egypt.
- 6- Head of the executive team of strategic plan (2021-2025) preparation for the Faculty of Science, Helwan University, Egypt.

### **Membership in Professional Societies:**

- 1- American Geophysical Union (**AGU**) since 2023.
- 2- European Geosciences Union (**EGU**) since 2018.
- 3- North African Group for Earthquakes and Tsunami studies (**NAGET**) since 2016.
- 4- European Association of Geoscientists and Engineers (**EAGE**) since 2015.
- 5- Egyptian Geophysical Society (**EGS**) since 2012.

### **Editorial Boards Membership:**

Gust Editor of the book "Seismotectonics of the East Mediterranean-Red Sea region", Springer Nature (2023-2025).

### **Review proposals for the funded scientific projects:**

Acts as a reviewer of proposals of the funded scientific projects in the Academy of Scientific Research and Technology (ASRT), Egypt (2021-present).

### **Research Projects:**

<b>Project/position</b>	<b>from</b>	<b>to</b>
<b><u>Project PI:</u> “Seismic Hazard Assessment Using a New Developed Technique: Microtremor Spatial Auto-Correlation (SPAC) Method”</b> (Project ID 25397). Funded by Science and Technology Development Fund (STDF), Egyptian Ministry for Scientific Research. Egypt-Japan cooperation (from Japanese side the International Institute of Seismology and Earthquake Engineering (IISSE), Building Research Institute (BRI), Tsukuba, Japan.	2017	2019
<b><u>Principal member:</u> “Detection of the Egyptian National Seismological Network capability performance, and its contribution in evaluation of the Seismic Hazard in and around Egypt”</b> (Project ID 25553). Funded by Science and Technology Development Fund (STDF), Egyptian Ministry for Scientific Research.	2017	2019
<b><u>Project Co-PI:</u> “Determination of the geological and geotechnical parameters as well as the earthquake hazards at the schools and national structures sites in Kharga Oasis, Western Desert, Egypt”</b> (Project ID 25245). Funded by Science and Technology Development Fund (STDF), Egyptian Ministry for Scientific Research.	2018	2020
<b><u>Principal member:</u> “Evaluation of Geothermal resources as well as the earthquake hazards at the springs of Ain Helwan, Egypt”</b> Funded by Science and Technology Development Fund (STDF), Egyptian Ministry for Scientific Research.	2021	2023

### **Participation in National and International Conferences:**

<b>Conferences</b>	<b>Location</b>	<b>Date</b>
Mediterranean Geosciences Union Annual Meeting (MedGU-24).	Barcelona, Spain	25-28 Nov. 2024
American Geophysical Union Conference (AGU23).	San Francisco, CA, USA	11-15 Dec. 2023
Eleventh International Conference on the Geology of Africa (ICGA-2022), Faculty of Science, Assiut University.	Assiut, Egypt	8-9 Nov. 2022
Mediterranean Geosciences Union Annual Meeting (MedGU-21).	Istanbul, Turkey	25-28 Nov. 2021
13 <sup>th</sup> International Geological Conference ("SSG 2020"), Saudi Society of Geosciences.	Jeddah, Saudi Arabia	3-5 Mar. 2020
General Assembly of the European Geosciences Union (EGU 2019).	Vienna, Austria	7–12 Apr. 2019

First Scientific Congress of Junior Geoscientists in Egypt (SCJGE-1), Sohag University.	Sohag, Egypt	3-4 Feb. 2019
The Arab Conference on Astronomy and Geophysics (6 <sup>th</sup> Assembly), NRIAG.	Cairo, Egypt	15-17 Oct. 2018
10 <sup>th</sup> Gulf Seismic Forum (GSF2018), Seismology and Earthquake Engineering Studies in the Arabian Plate Region, Sultan Qaboos University.	Muscat, Oman	19 – 22 Mar. 2018
12 <sup>th</sup> International Geological Conference, Saudi Geological Survey.	Jeddah, Saudi Arabia	4-7 Feb. 2018
The Arab Conference on Astronomy and Geophysics-Fifth Assembly (ACAG5), NRIAG.	Cairo, Egypt	17-20 Oct. 2016
Near Surface Geoscience 2016 - 22 <sup>nd</sup> European Meeting of Environmental and Engineering Geophysics.	Barcelona, Spain	4-8 Sep. 2016
78 <sup>th</sup> EAGE Conference & Exhibition.	Vienna, Austria	30 May-2 Jun. 2016
Eighth International Conference on the Geology of Africa (ICGA 2015), Faculty of Science, Assiut University.	Assiut, Egypt	24-26 Nov. 2015
11 <sup>th</sup> International Geosciences Conference of the Saudi Society of Geosciences, King Saud University.	Riyadh, Saudi Arabia	12-14 May 2015
2 <sup>nd</sup> European conference on earthquake engineering&34 <sup>th</sup> General Assembly of the European Seismological Commission (ESC).	Istanbul, Turkey	24-29 Aug. 2014
33 <sup>rd</sup> General Assembly of the European Seismological Commission (ESC).	Moscow, Russia	19-24 Aug. 2012
Seventh International Symposium on Geophysics ISG-7, Tanta University.	Tanta, Egypt	23-24 Apr. 2012
Seventh Gulf Seismic Forum, Saudi Geological Survey.	Jeddah, Saudi Arabia	22-25 Jan. 2012
2 <sup>nd</sup> PhD Symposium of Karlsruhe Institute of Technology (KIT).	Karlsruhe, Germany	30 Sept. 2010

#### **Participation in Training Courses/Workshops:**

<b>Training Courses/Workshops</b>	<b>Location</b>	<b>Date</b>
Participated in the workshop entitled “Statistical Analysis”, Faculty and Leadership Development Center (FLDC), Helwan University.	Cairo, Egypt	16-17 Dec. 2018
KAUST workshop on Advancing Seismic Hazard Assessment: Integrating geological and seismological observations into physics-based rupture simulations. King Abdullah University of Science and Technology (KAUST).	Thuwal, Saudi Arabia	26-28 Nov. 2018
Participated in the workshop entitled “Entrepreneurship”, Faculty and Leadership Development Center (FLDC), Helwan University.	Cairo, Egypt	18-19 Nov. 2018

Workshop on seismic noise analysis using QTS technique (Nakamura technique), NRIAG.	Cairo, Egypt	20-21 Oct. 2018
2 <sup>nd</sup> International School on Advanced Modeling of Seismic Hazard in Africa, NRIAG.	Cairo, Egypt	17-18 Oct. 2018
Train the Trainer. A special module about the essentials of workshop planning and trainer performance, DAAD Kairo Akademie, Steigenberger Hotel.	Cairo, Egypt	14-15 Jul. 2018
- Microtremor SPAC, CCA, and H/V methods. - Computer course including (UNIX, GMT, FORTRAN).	Tsukuba, Japan	July 28 to Nov. 27, 2017
Workshop "Writing a Grant Proposal" by Dr. Francesco Mureddu from the International Research and Consultant in Catalan Firm and Open University of Catalonia. Organized by the Egyptian Knowledge Bank (EKB), ENSTINET, Egyptian Academy of Scientific Research and Technology.	Cairo, Egypt	12-13 Dec. 2016
Participated in the workshop entitled "International Publishing of Scientific Research", Faculty and Leadership Development Center (FLDC), Helwan University.	Cairo, Egypt	4-5 Dec. 2016
Training Course "Train of Trainers (TOT)" Faculty and Leadership Development Center (FLDC), Helwan University.	Cairo, Egypt	18-22 Sep. 2016
Training Course "School on Seismology beyond Textbooks", International Centre for Theoretical Physics (ICTP).	Trieste, Italy	29 Aug. – 03 Sep. 2016
Participated in the workshop entitled "Towards a knowledge society?", organized by DAAD Alumni Regional Meeting, Bibliotheca Alexandrina.	Alexandria, Egypt	9-10 Oct. 2015
Young Seismologists and Engineers Training Course of ESC "Ambient Noise Measurements".	Istanbul, Turkey	20-24 Aug. 2014
Participated in the module "Research Management" of the further domain "Advanced Training for Alumni", within the DAAD Kairo Akademie.	Aswan, Egypt	23 Nov. 2013
International Training Course "Seismology, Seismic Data Analysis, Hazard Assessment and Risk Mitigation". Organized by the German Research Centre for Geosciences (GFZ), Mohamed V University.	Rabat, Morocco	17 Sep. – 21 Oct. 2012
Participated in the Young Seismologists Training Course of ESC.	Obninsk, Russia	25-30 Aug. 2012
Participated in the workshop entitled "Scientific Writing – Writers", Karlsruhe Institute of Technology (KIT).	Karlsruhe, Germany	18 <sup>th</sup> and 25 <sup>th</sup> Jan. 2011
German language courses in Goethe Institute (4 months).	Freiburg, Germany	Jun. – Sep. 2009
German language courses in Goethe Institute (3 months).	Cairo, Egypt	Mar. to May 2009

Reviewer of International/Local Journals and Conferences	
Journal/Conference	Number of reviews
Journal of African Earth Sciences	23
NRIAG Journal of Astronomy and Geophysics	7
Journal of Seismology	1
Bulletin of the Seismological Society of America (BSSA).	1
Tectonophysics	1
Soil Dynamics and Earthquake Engineering.	1
Earthquake Engineering and Engineering Vibration.	1
Journal of Earthquake and Tsunami.	1
Seismological Research Letters.	2
Journal of Applied Geophysics.	1
Near Surface Geophysics.	1
Natural Hazards	6
Acta Geodaetica et Geophysica.	1
Acta Geodynamica et Geomaterialia	1
IEEE Sensors Journal	5
IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing.	1
Engineering Geology	2
Open Geosciences	3
SN Applied Sciences	1
Frontiers in Earth Science	2
Earth and Space Sciences (ESS)	1
Euro-Mediterranean Journal for Environmental Integration.	3
Journal of King Saud University – Science.	1
International Journal of Geosciences (IJG)	2
Open Construction & Building Technology Journal	1
Journal of Archaeological Discovery (AD), Scientific Research Publishing	3
Mansoura Journal of Geology	1
The 13 <sup>th</sup> International Geological Conference (SSG 2020) organized by the Saudi Society of Geosciences, 3 - 6 March 2020, Jeddah, Saudi Arabia	10
Mediterranean Geosciences Union Annual Meeting (MedGU-22), 27-30 Nov. 2022	3

## Publications

Title/Author(s)/Journal	Year
<b>Mostafa Toni</b> , Medhat El Rayess, Emad K. Mohamed, Khaled Omar “Stochastic Simulation of Earthquake Ground Motions for Selected Event and Locations in the East Mediterranean and Red Sea Regions”. Chapter 23, Seismotectonics of the East Mediterranean-Red Sea region, Springer Nature Switzerland AG 2025. <a href="https://doi.org/10.1007/978-3-031-80928-6_23">https://doi.org/10.1007/978-3-031-80928-6_23</a>	2025
Vladimir Sokolov, Mahmoud Elhadidy, <b>Mostafa Toni</b> “Seismic hazard and building codes in East Mediterranean-Red Sea countries”. Chapter 21, Seismotectonics of the East Mediterranean-Red Sea region, Springer Nature Switzerland AG 2025. <a href="https://doi.org/10.1007/978-3-031-80928-6_21">https://doi.org/10.1007/978-3-031-80928-6_21</a>	2025
<b>Mostafa Toni</b> , Abd el-aziz Khairy Abd el-aal, and Gad E. A. Mohamed “Determination of Site Effects Along the Western Red Sea Coast Using Microtremor Measurements”. Chapter 28, Seismotectonics of the East Mediterranean-Red Sea region, Springer Nature Switzerland AG 2025. <a href="https://doi.org/10.1007/978-3-031-80928-6_28">https://doi.org/10.1007/978-3-031-80928-6_28</a>	2025
Sokolov, V., Zahran, H. M., <b>Toni, M.</b> "Areal-source and fault-source based probabilistic seismic hazard analysis using characteristic earthquake model and Monte-Carlo approach: An example of the Gulf of Aqaba region". Soil Dynamics and Earthquake Engineering, 186, 108941. <a href="https://doi.org/10.1016/j.soildyn.2024.108941">https://doi.org/10.1016/j.soildyn.2024.108941</a>	2024
Ahmed Hosny, <b>Mostafa Toni</b> , Lotfy Samy, Khaled Yousef, Tariq Mansoob, Turki Sehli, Abdullah Mousa, and Yousef Sadiq, "The Role of Saudi National Seismic Network for Mitigating Seismic Hazard in Saudi Arabia". In Environmental Hazards in the Arabian Gulf Region (pp. 51-95). Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-71836-6_4">https://doi.org/10.1007/978-3-031-71836-6_4</a>	2024
Károly Németh, <b>Mostafa Toni</b> , Vladimir Sokolov, Abdulrahman Sowaigh, Mahmoud Ashor and Fawaz Moqem, Eruption Scenarios of a Monogenetic Volcanic Field Formed within a Structurally Controlled Basement Terrain: Harrat Lunayyir, Saudi Arabia. Book Chapter, A Comprehensive Study of Volcanic Phenomena (IntechOpen) <a href="http://dx.doi.org/10.5772/intechopen.1008330">http://dx.doi.org/10.5772/intechopen.1008330</a>	2024
Ramah, M., Heggy, E., Nasr, A., <b>Toni, M.</b> , Gomaa, M. M., Hanert, E., Kotb, A. "Nubian aquifer linkage to the High Aswan Dam Reservoir: Initial assessments of processes and challenges". Journal of Hydrology, 644, 131999. <a href="https://doi.org/10.1016/j.jhydrol.2024.131999">https://doi.org/10.1016/j.jhydrol.2024.131999</a>	2024
Ahmed M. El Kenawy, Emad K. Mohamed, <b>Mostafa Toni</b> , Ashraf Adly, Hassan Aboelkhair. "Anomalous thermal conditions as precursors of significant earthquakes in Egypt; spatial gradients and temporal behavior". Hydroclimatic Extremes in the Middle East and North Africa, 417-434. Chapter 20. Elsevier Inc. DOI: <a href="https://doi.org/10.1016/B978-0-12-824130-1.00016-3">https://doi.org/10.1016/B978-0-12-824130-1.00016-3</a>	2024



<b>Mostafa Toni</b> , Hazem Badreldin, El Fellah, Y. "Seismicity and Seismotectonic of North Africa: An Updated Review". The Geology of North Africa, Chapter 18, 529-555. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-48299-1_18">https://doi.org/10.1007/978-3-031-48299-1_18</a>	2024
Lamiaa Yahia, <b>Mostafa Toni</b> , Farouk I. Metwalli, M. H. Mansour, Amir Ismail. "Integration of 3D structural modelling and well logging analysis in the evaluation of October Oil field, Gulf of Suez, Egypt". Trends in advanced sciences and technology 1 (1), 5. <a href="https://doi.org/10.62537/2974-444X.1007">https://doi.org/10.62537/2974-444X.1007</a>	2024
Basheer, A. A., Abdelhamid, R. M., <b>Mostafa Toni</b> , Amir Ismail "Assessment of the Geo-Engineering Suitability of Subsurface Layers Using ERT and SSR, A case study: Combined Services Area of "Madinaty", New Cairo, Egypt. Journal of Applied Geophysics (Cairo), 22(1), 1-16. <a href="https://doi.org/10.21608/jag.2023.207522.1001">10.21608/jag.2023.207522.1001</a>	2023
Gaber, G. M., Saleh, S., <b>Mostafa Toni</b> "Crustal thickness and structural pattern evaluation of Sinai Peninsula using three-dimensional density modeling with aeromagnetic and earthquake data". Acta Geophysica, 70(2), 639-657. <a href="https://doi.org/10.1007/s11600-022-00744-4">https://doi.org/10.1007/s11600-022-00744-4</a>	2022
<b>Mostafa Toni</b> , El Rayess, M., Hafiez, H. A. " Local site characteristics and earthquake ground motion parameters around the Nile River, south of Cairo, Egypt". Journal of Applied Geophysics, 197, 104528. <a href="https://doi.org/10.1016/j.jappgeo.2021.104528">https://doi.org/10.1016/j.jappgeo.2021.104528</a>	2022
Eweis, A. M., <b>Mostafa Toni</b> , Basheer, A. A. "Depicting the main structural affected trends by operating aeromagnetic survey in the western part of Koraimat-Alzafarana road and surround area, Eastern Desert, Egypt". Modeling Earth Systems and Environment, 1-14 <a href="https://doi.org/10.1007/s40808-021-01265-7">https://doi.org/10.1007/s40808-021-01265-7</a>	2021
Ahmed M Meneisy, <b>Mostafa Toni</b> , Awad A Omran "Soft sediment characterization using seismic techniques at Beni Suef city, Egypt". Journal of Environmental and Engineering Geophysics 25 (3), 391-401. <a href="https://doi.org/10.32389/JEEG19-069">https://doi.org/10.32389/JEEG19-069</a>	2020
H.E Abdel Hafiez and <b>Mostafa Toni</b> "Magnitude of completeness for the Northern stations of the Egyptian National Seismological Network". Arabian Journal of Geosciences 13 (12), 1-9. <a href="https://doi.org/10.1007/s12517-020-05461-0">https://doi.org/10.1007/s12517-020-05461-0</a>	2020
Gaber M. Gaber, Salah Saleh, <b>Mostafa Toni</b> "Crustal structure of the Sinai Peninsula, using gravity data". Egy. J. Appl. Geophys., Vol. 19, No. 2, September 2020, 25-36	2020
Wael Hagag, SafaaHassa, <b>Mostafa Toni</b> "Active tectonic structures in northeastern Egypt: A geospatial analysis using structural, remote sensing and seismic data ", Arabian Journal of Geosciences, 12 (18), 572 <a href="https://doi.org/10.1007/s12517-019-4749-6">https://doi.org/10.1007/s12517-019-4749-6</a>	2019
<b>Mostafa Toni</b> , Toshiaki Yokoi, Medhat El Rayess "Site characterization using passive seismic techniques: A case of Suez city, Egypt". Journal of African Earth Sciences, 156 (2019) 1–11 <a href="https://doi.org/10.1016/j.jafrearsci.2019.05.004">https://doi.org/10.1016/j.jafrearsci.2019.05.004</a>	2019

H.E Abdel Hafiez and <b>Mostafa Toni</b> "Ambient noise level and site characterization in northern Egypt". Pure and Applied Geophysics, 1-18 <a href="https://doi.org/10.1007/s00024-019-02112-8">https://doi.org/10.1007/s00024-019-02112-8</a>	2019
H. Badreldin, A. K. Abd el-aal, <b>Mostafa Toni</b> , K. El-Faragawy "Moment tensor inversion of small-to-moderate size local earthquakes in Egypt", Journal of African Earth Sciences 151 (2019) 153–172 <a href="https://doi.org/10.1016/j.jafrearsci.2018.12.004">https://doi.org/10.1016/j.jafrearsci.2018.12.004</a>	2019
Hesham Abdel Hafiez, Milad Girgis, <b>Mostafa Toni</b> , Mohamed Taha "Re-evaluation of Liquefaction Potentiality for selected pre-liquefied sites associated with the 1992 Cairo Earthquake", Indian Geotechnical Journal 48 (3), 474-483 <a href="https://doi.org/10.1007/s40098-017-0266-2">https://doi.org/10.1007/s40098-017-0266-2</a>	2018
<b>Mostafa Toni</b> , "Simulation of Strong Ground Motion Parameters of the 1 June 2013 Gulf of Suez Earthquake, Egypt" NRIAG Journal of Astronomy and Geophysics (2017) 6, 30–40 <a href="http://dx.doi.org/10.1016/j.nrjag.2016.12.002">http://dx.doi.org/10.1016/j.nrjag.2016.12.002</a>	2017
<b>Mostafa Toni</b> , Gad-Elkareem A. Mohamed, Abd el-aziz K. Abd el-aal, "Microtremor for Evaluating the Effect of Shallow Sediments on Earthquake Ground Motion at Quseir City, Red Sea, Egypt", 22 <sup>nd</sup> European Meeting of Environmental and Engineering Geophysics, Near Surface Geoscience 2016, 4-8 September, Barcelona, Spain	2016
<b>Mostafa Toni</b> , Andreas Barth, Sherif M. Ali, Friedemann Wenzel "Analysis of the similar epicenter earthquakes on 22 January 2013 and 01 June 2013, Central Gulf of Suez, Egypt" Journal of African Earth Sciences 121 (2016) 274-285. <a href="https://doi.org/10.1016/j.jafrearsci.2016.06.013">doi.org/10.1016/j.jafrearsci.2016.06.013</a>	2016
Awad Hassoup, <b>Mostafa Toni</b> , M.M.F. Shokry, A.M.A. Helal, Emad K. Mohammed "Source mechanism and parameters of the 19 October 2012 earthquake, northern Egyptian continental margin" Arabian Journal of Geosciences, 9:313 (4), 1-10 <a href="https://doi.org/10.1007/s12517-016-2338-5">DOI: 10.1007/s12517-016-2338-5</a>	2016
<b>Mostafa Toni</b> , Abd el-aziz Khairy Abd el-aal, Gad-Elkareem A. Mohamed, "Ambient noise for determination of site dynamic properties at Hurghada and Safaga cities, Red Sea, Egypt" Acta geodyn. Geomater, 13, No.3 (183), 277-240 <a href="https://doi.org/10.13168/AGG.2016.0004">DOI: 10.13168/AGG.2016.0004</a>	2016
A. A. Basheer, <b>Mostafa Toni</b> , A. M. Abdelmotaal and Khaled Omar "Using the HEM Technique and its Relation to the Seismic Activity to Detect the Main Structural Setting and Rock Units at Abu-Dabbab Area, Egypt", British Journal of Applied Science & Technology 9(4): 327-337 <a href="https://doi.org/10.9734/BJAST/2015/17989">DOI: 10.9734/BJAST/2015/17989</a>	2015
Ahmed Khalil, <b>Mostafa Toni</b> , Awad Hassoup and Khamis Mansour "Analysis of Aeromagnetic Data for Interpretation of Seismicity at Fayoum-Cairo Area, Egypt", Earth Sci. Res. J., Vol. 18, No. 1, (7-13). <a href="https://doi.org/10.15446/esrj.v18n1.36938">https://doi.org/10.15446/esrj.v18n1.36938</a>	2014
Alhussein A. Basheer, Ahmed El-Kotb Imam, Abdelnasser Mohammed Abdelmotaal, <b>Mostafa Sarhan Toni</b> , Sayed Omar Elkhateeb "Appliance of Geophysical Methods to Detect the Ancient Remains at Tell Defenneh Area, Ismailia, Egypt", Archaeological Discovery (AD) J., Vol. 2, 71-82, <a href="https://doi.org/10.4236/ad.2014.23009">DOI.org/10.4236/ad.2014.23009</a>	2014

<b><u>Mostafa Toni</u></b> , Ahmed Hosny, Mohsen M. Attia, Awad Hassoup, and Amr El-Sharkawy “Shallow Subsurface Structures and Geotechnical Characteristics of Tal El-Amarna Area, Middle Egypt” NRIAG Journal of Astronomy and Geophysics, Vol. 2, pp 212-222 <a href="https://doi.org/10.1016/j.nrjag.2013.10.001">DOI.org/10.1016/j.nrjag.2013.10.001</a>	2013
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