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HOSSAM HAMDY ELEWA

Prof. Dr., Water Resources Dept. *Head*; Engineering Applications & Water Division (NARSS)

BIOGRAPHY

Elewa, Hossam Hamdy was born August 20, 1962 in Cairo. He got his B.Sc. degree in 1985 from Ain Shams University in Cairo. He began his career in 1988; as a field hydrogeologist and supervisor of groundwater wells drilling in the General Authority for Rehabilitation Projects & Agricultural Development (GARPAD), Cairo. He joined the National Authority for Remote Sensing & Space Sciences (NARSS) of Egypt in 1996 as an associate researcher (Geology & Hydro (geo)logy). He continued his career until awarded the PhD degree in 2000 from Ain Shams University in Cairo. He allocated different posts in NARSS with 27 years experience with many published contributions in esteemed international journals. Since 2012 until now, he is Prof. of Hydrogeology and Chair of the Engineering Applications & Water Division (EAWD) in NARSS.

An acclaimed scientist in the fields of remote sensing & GIS applications in hydro(geo)logical researches and studies. He principally investigated many research projects for the Egyptian Government. He has many publications; especially in topics, which determine the solutions for the problem of water scarcity, which usually hampers the developmental activities in developing countries. His research achievements are mainly in using remote sensing (RS) & geographic information systems (GIS) in determining the potential sites for surface water harvesting, groundwater potentiality mapping, groundwater investigations, and water/land use planning and water-related issues of sustainability.



EDUCATION

First University Degree

B. Sc. in Geology, Faculty of Science, Geology Dept, Ain Shams University, graduated with very good degree, May, 1985.

Second University Degree

M. Sc. in Hydrogeology, Faculty of Science, Geology Dept, Cairo University, October, 1993. (Thesis title: Hydrogeological Study in Gharb El-Qasr (Farafra) Region and the Adjacent Areas, Western Desert)

Third University Degree

Ph.D. in Hydrogeology, Faculty of Science, Geology Dept, Ain Shams University, 2000. (Thesis title: Hydrogeology and Hydrological Studies in Halaib-Shalatin Area, Egypt, Using Remote Sensing Technology and Other Techniques).

POST GRADUATE SCHOOLING AND TRAINING

Green Architecture, Regional Training Center, Ain Shams (AS) University, 2000.

Project Management and Managerial Skills; The Institute of Quality Management, American University (AU), Cairo, 2001.

Modern Trends in Human Management, Institute of Leaders Preparation for Business Sector, Egypt, 2003.

Using Environmental Isotopes for the assessment of Water Resources and Protection of them Against Pollution, Nuclear Energy Authority, Egypt, 2004.

RADARSAT SAR Applications Training Program (as set forth by Geospatial Services International, Canada), NARSS, January, 14-25, 2007

GIS and Remote Sensing Applications in Hydrogeological & Hydrological Applications. Organized by NARSS in 23-25 November 2008 (Instructor: Hossam Elewa; Designing the program and lecturing).



ASSOCIATIONS, PROFESSIONAL SOCIETIES & LOCAL SERVICES

2011-until now: Member; Board of Directors of NARSS, Cairo, Egypt.

2016- until now: Member, Board of Directors of Water Risk Center, Zagazig University, Zagazig, Egypt.

2014-2015: Member of the Long Standing Technical Working Group for the Golden Triangle Development Project (Ministerial Decree no. 859/2014).

2013-2015: Head of the Project Coordination Committee in NARSS since 16/9/2013.

2014-2015: Head of the Long Standing Committee for the Leadership Positions in NARSS since 22/1/2014.

2012-2015: Head of the Social Committee in NARSS since 18/4/2012.

2010-2014: Member of the Editorial Board of the International Journal of Water Resources and Environmental Engineering (IJWREE) (up to 2011).

2012-2015: Member; Editorial Board; Egypt. Journal of Remote Sensing & Space Sciences.

2013-2015: Member; Editorial Board; Journal of Space Science and Astrophysics, Herbert Open Access Journals.

2004-2015: Reviewer; Environmental Earth Sciences, Springer Verlag, Heidelberg, Berlin.

2005-2015: Reviewer; Hydrogeology Journal, Springer Verlag, Heidelberg, Berlin.

2010-2015: Reviewer; Hydrology Journal, Elsevier, Amsterdam, The Netherland.

2008-2015: Reviewer; Water Resources Management, Springer Verlag, Heidelberg, Berlin.

2005-2015: Reviewer; Resources, Conservation & Recycling, Elsevier, Amsterdam, The Netherland.

2013-2015: Reviewer; Remote Sensing of Arid Environment, Elsevier, Amsterdam, The Netherland.

2011-2015: Reviewer; Egypt. Journal of Remote Sensing & Space Sciences, NARSS, Cairo.

2010-2015: Reviewer, Egypt. Journal of Geology, GSE, Cairo, Egypt.



EMPLOYMENT HISTORY

1989	1996	Field hydrogeologist: General Authority for Rehabilitation Projects and Agricultural Development (GARPAD); Groundwater Investigations, Supervising & Designing Groundwater Wells drilling in Wadi el-Farigh, Northwestern Desert, Wadi El-Assiuti, El-Minia, Farafra Oasis, East Uweinat, Dakhla Oasis, Kharga Oasis (New Valley Project), Halaib-Shalatin, Abu Minqar, Qarawein Plain, Wadi Qena and Laqita etc.; Preparation of Technical and Research Reports
1996	2000	Assistant Researcher; National Authority for Remote Sensing and Space Sciences (NARSS), Egypt. <i>Engineering Applications and Water Division (EAWD).</i>
2000	2006	Researcher; National Authority for Remote Sensing and Space Sciences (NARSS), Egypt. <i>Engineering Applications and Water Division (EAWD).</i>
Jan. 2002	Jan 2003	Postdoctoral Fellow; Remote sensing applications in hydrogeological applications in Istanbul Technical University, Remote Sensing Dept., Turkey, January 2002-August 2002.
Feb. 2007	Feb. 2011	Assoc. Professor; National Authority for Remote Sensing and Space Sciences (NARSS), Egypt. <i>Head, Water Resources Department (NARSS).</i>
Feb. 2011	Present	Prof. Dr. & Chair of Engineering Applications and Water Division (NARSS) https://www.narss.sci.eg .
2009	Present	Member of the NARSS's Board of Directors.

PROFESSIONAL SOCIETY MEMBERSHIPS

2009: Present: Member of the International Association of Hydrogeologists (IAH).

2009-Present: Member of the Geological Society of America (GSA).

2004-Present: Member in the Geological Society of Egypt, Cairo, Egypt.

2000-Present: Member in the Remote Sensing Society of Egypt, Cairo, Egypt.

2004-Present: Member of the Applied Petrophysics Society.



GRANTS

Postdoctoral Fellow, Remote sensing applications in hydrogeological applications in Istanbul Technical University, Remote Sensing Dept., Turkey, January 2002-August 2002.

PUBLICATIONS

Hossam Elewa, Martina Zelenakova and Ahmed Nosair, 2021. Integration of the analytical hierarchy process and GIS spatial distribution model to determine the possibility of rainwater harvesting in dry regions: Wadi Watir of Sinai as a case study. *Water* **2021**, *13*, x, <https://doi.org/10.3390/xxxx> . www.mdpi.com/journal/water (Accepted; in processing).

Hossam Elewa et. al., 2019-2021. Mapping Potentials of Renewable Water Resources and Recharging Resources for Ras Gharib-Ras Shokeir, Eastern Desert using RS, GIS, WMS and Electro-Magnetic Geophysics (on-going). A Research Project Funded by NARSS.

Hossam H. Elewa, Ahmed M. M. Nosair, El-Sayed M. Ramadan, 2020. Sustainable Development of Mega Drainage Basins of the Eastern Desert of Egypt; Halaib-Shalatin as a Case Study Area. *Advances in Science, Technology & Innovation - IEREK Interdisciplinary Series for Sustainable Development. Flash Floods in Egypt*. Pp. 141-204. © Springer Nature Switzerland AG 2020. ISBN 978-3-030-29634-6 ISBN 978-3-030-29635-3 (eBook). <https://doi.org/10.1007/978-3-030-29635-3>

Hossam H. Elewa, Ahmed M. M. Nosair, El-Sayed M. Ramadan, 2020. Determination of Potential Sites and Methods for Water Harvesting in Sinai Peninsula by the Application of RS, GIS, and WMS Techniques. *Advances in Science, Technology & Innovation - IEREK Interdisciplinary Series for Sustainable Development. Flash Floods in Egypt*. Pp. 313-345. © Springer Nature Switzerland AG 2020. ISBN 978-3-030-29634-6 ISBN 978-3-030-29635-3 (eBook). <https://doi.org/10.1007/978-3-030-29635-3>



Abbas M. Sharaky, Hossam H. Elewa, Alaa M. Kasem, 2019. Impact of the Grand Ethiopian Renaissance Dam (GERD) on Gezira Groundwater, Sudan. *Published in:* [Grand Ethiopian Renaissance Dam Versus Aswan High Dam](#) (Handbook of Environmental Chemistry, 10.1007/698_2017_187). **First Online: 30 December 2017** [Springer International Publishing](#). https://link.springer.com/chapter/10.1007/698_2017_187

Elewa, H.H., et al. 2018-2020. Water Resources Potentialities for the Central Eastern desert of Egypt, Using RS, GIS and Watershed Modeling Techniques, 320 pp, A Research Project Funded by NARSS.

Elewa, H.H., et al. 2020. Consultancy Atudy to Assess Groundwater and Land Resources for a Plot of Land With an Area of 4,282.97 acres in Bahariya Oasis (Funded by private Sector).

Elewa, H.H., et al. 2016-2018. Water Resources Potentialities for the **North** Eastern desert of Egypt, Using RS, GIS and Watershed Modeling Techniques, 320 pp, A Research Project Funded by NARSS.

Elewa, H.H., Ramadan, E.M., Nosair, A.M., 2016. Spatial-Based Hydro-morphometric Watershed Modeling for the Assessment of Flooding Potentialities. *Environ Earth Sci* (2016) 75:927, _ Springer-Verlag Berlin Heidelberg 2016. (DOI: 10.1007/s12665-016-5692-4). https://scholar.google.com.eg/scholar?q=Spatial-based+hydro+morphometric+watershed+modeling+for+the+assessment+of+flooding+potentialities.&hl=ar&as_sdt=0&as_vis=1&oi=scholart

Elewa et al., 2016. Regional studies for the New Administrative Capital site (170,000) feddans, for the detailed phase (30,000 feddans), and for the first priority area (10500 feddans), a Project Funded by the General Authority for Urban Planning (GAUB), Egypt.



Elewa, H.H. et al., 2016. A consultative Study for Determining a Water Source for the the Strategic Fuel Tanks of the Armed Forces in Robeiky Area, East Badr City, Cairo-Suez Road.

Elewa, H.H. et al., 2015. Planning for the Sustainable Development of Halaib-Shalatin Area, South Eastern Desert, Using RS and GIS. A Research Project Funded by NARSS.

Elewa H.H., Ramadan E.M, Nosair A.M., 2014. Water/Land Use Planning of Wadi El-Arish Watershed, Central Sinai, Egypt Using RS, GIS and WMS Techniques. International Journal of Scientific & Engineering Research (IJSER), Volume 5, Issue 9, September-2014, 341-349. <https://www.ijser.org/paper/Water-Land-Use-Planning-of-Wadi-El-Arish-Watershed.html>

Elewa, H.H. et al., 2014. Rainwater Harvesting Planning in Some Selected Parts of Northwestern Desert Coast, Using RS, GIS and Watershed Modeling Techniques. A Research Project Funded by NARSS, 300 pp.

Elewa H.H., Ramadan E.M, El-Feel A.A, Abu El Ella E.A., Nosair A.M., 2013. Runoff Water Harvesting Optimization by Using RS, GIS and Watershed Modeling in Wadi El-Arish, Sinai. International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181. Vol. 2 Issue 12, [http://www.ijert.org/view.php?id=6980&title=runoff-water-harvesting-optimization-by-using-rs-gis-and-watershed-modelling-in-wadi-el-arish-sinai#id fill verify](http://www.ijert.org/view.php?id=6980&title=runoff-water-harvesting-optimization-by-using-rs-gis-and-watershed-modelling-in-wadi-el-arish-sinai#id_fill_verify)

Elewa H.H., Shohaib R.G., Qaddah A.A., Nouisir A. M., 2013. Determining Groundwater Protection Zones for the Quaternary Aquifer of Northeastern Nile Delta Using GIS-Based Vulnerability Mapping. Environ Earth Sci., Volume 68, pages 313–331 (2013) DOI: 10.1007/s12665-012-1740-x. <https://link.springer.com/article/10.1007/s12665-012-1740-x>



Elewa H.H., Qaddah A.A., Nousir A.M., 2012. “GIS Based Hydro-geochemical Vulnerability Mapping of Quaternary Aquifer in Northeastern Coastal Zone of Nile delta, Egypt. Proc. 3rd International Interdisciplinary Conference on Predictions for Hydrology, Ecology, and Water Resources Management: Water Resources and Changing Global Environment (HydroPredict 2012). 24-27 September 2012, Vienna, Austria. <http://web.natur.cuni.cz/hydropredict2012/>

Elewa H.H., Nousir A.M. 2012. “Assessment of Groundwater Quality of the Quaternary Aquifer in the Eastern Part of the Nile Delta”. Geological Society of America (**GSA**). **Abstracts with Programs**, v. 44, no. 7, p. 118. <https://gsa.confex.com/gsa/archives.cgi>

Elewa H.H., 2012. Hydrogeochemical Attributes and GIS Spatial Modeling in Determining Areas for Horizontal Expansion of Development projects in East Uweinat, Egypt. Journal of Applied Sciences, Science Alert. Volume 12, Issue: 8, Pages 702-715. <https://scialert.net/abstract/?doi=jas.2012.702.715> , DOI: [10.3923/jas.2012.702.715](https://doi.org/10.3923/jas.2012.702.715)

Elewa H.H., Qaddah A.A., El-Feel A.A., 2012. Determining Potential Sites for Runoff Water Harvesting Using Remote Sensing and Geographic Information Systems-Based Modeling in Sinai. American Journal of Environmental Sciences, Science Publications, USA, Volume 8 No. 1, 2012, 42-55. DOI: <https://doi.org/10.3844/ajessp.2012.42.55> <https://thescipub.com/abstract/ajessp.2012.42.55>

Elewa, H.H. et al., 2012-2015. Determination of Potential Sites and Methods for Water Harvesting in Sinai Peninsula by Application of RS, GIS and WMS Techniques. A Research Project Funded by the Science and Technology Development Fund (STDF), Egypt.



Elewa H.H. and Abu El Ella. E.M., 2011. Prediction of Future Water Level Depletion of the Aquifer Systems in Farafra Depression, Egypt, using Mathematical Flow Modeling Techniques. Egyptian Journal of Geology, v. 55, p. 87-104.

Elewa H.H. and Abu El Ella E.M., 2011. Numerical Modeling for the Nubian Aquifer Development in Wadi Qena, Eastern Desert, Egypt. Egyptian Journal of Geology, v. 55, p. 105-125.

Elewa H.H. and Abu El Ella E.M., 2011. The Pleistocene Aquifer System in Wadi El-Assiuti, Eastern Desert, Egypt. Annals of Geol. Surv. Egypt. V. XXXI (2009-2011), pp. 57-72.

Elewa H.H., and Qaddah A.A., 2011. Groundwater Potentiality Mapping in Sinai Peninsula, Egypt, using Remote Sensing and GIS-Watershed-Based Modeling. Hydrogeology Journal, Springer Verlag, Heidelberg, Berlin, 19: 613–628. DOI 10.1007/s10040-011-0703-8.

Elewa H.H., Fathy R.G., Qaddah A.A., 2010. The Contribution of Geographic Information Systems and Remote Sensing in Determining Priority Areas for Hydrogeological Development, Darb el-Arbain area, Western Desert, Egypt. Hydrogeology Journal, Springer Verlag, Heidelberg, Berlin. v. 18 (5):1157-1171. DOI 10.1007/s10040-010-0590-4.

Elewa, H.H. (Principal Investigator) et al., 2010. Land/Water Resources of the Nile Basin and its Downstream using Remote Sensing and GIS Techniques. Hydrogeologic Assessment for the Northeastern Nile Delta using Remote Sensing and Geographic Information Systems. A Research Project Funded by NARSS.185 pp.

Elewa, H.H. et al., 2010-2013. Geospatial Information System for Land Management in Sinai Peninsula: WP2 Water Resources Potentiality. A Research Project Funded by NARSS, 250 pp.



Elewa, H.H. (Principal Investigator) et al., 2011. Detailed Consultative Study for the Assessment of Flash Floods Hazards and their Optimum Mitigation Measures for the area of Porto South Beach. A Consultative Study Sponsored and funded by AMER Group, 30 p.

Elewa, H.H. (Principal Investigator) et al., 2010. Detailed Consultative Study for the Assessment of Flash Floods Hazards and their Optimum Mitigation Measures for the area of Porto Sukhna. A Consultative Study Sponsored and funded by AMER Group, 35 p.

Nahry A.H., **Elewa H.H.**, Qaddah A.A., 2010. Soil and Groundwater Capability of East Oweinat Area, Western Desert, Egypt Using GIS Spatial Modeling Techniques. Nature and Science, Marsland Press, USA, Vol. 8 (8) (cumulated No. 41):1-17.

Elewa H.H., 2010. Potentialities of Water Resources Pollution of the Nile River Delta, Egypt. The Open Hydrology Journal, v. 4:1-13.

Elewa, H.H. (Principal Investigator) et al., 2009. Surface Water/Groundwater Potentialities of Sinai Peninsula: Determining Parameters of Sustainability Using Remote Sensing & GIS Techniques. Final Report (funded by NARSS).

Elewa, H.H. (Principal Investigator) et al., 2008. Regional Flow Conditions and Structural Setting of the Nubia Sandstone Aquifer System in Southern Western Desert of Egypt using Remote Sensing, GIS and Mathematical Modeling Techniques. Final Report. National Authority for Remote Sensing and Space Sciences (NARSS), 132 pp.

Elewa, H.H., 2008. Prediction of Future Drawdown of Water Levels of the Pleistocene Aquifer System of Wadi El-Assiuti Area, Eastern Desert, Egypt, as a Criterion for Management and Conservation. Resources, Conservation and Recycling J., Elsevier, Amsterdam, The



Netherlands, v. 52: pp. 1006–1014.

Elewa H.H. and Nahry A.H., 2008. Hydro-environmental Status and Soil Management of the River Nile Delta, Egypt. *Environ Geol* (2009) v. 57:759–774, Springer Verlag, Heidelberg, Berlin

Elewa H.H., 2007. Recent Recharges Possibilities Determination of the Pleistocene Aquifer System of Wadi El-Assiuti Basin, Egypt, using Hydrogeochemical and Environmental Isotopic Criteria. *Proceedings of Int. Symposium on Managed Aquifer Recharge (ISMAR 6)*, pp. 626-642, Oct. 28-Nov. 2, 2007 Phoenix, Arizona. U.S.A.

Elewa H.H. and Abd El-Samie S.G., 2007. Isotopic evidence and mass balance approach for quantifying paleo-recharge condition to the Pleistocene aquifer system of Wadi El Assiuti basin, Egypt. *Arab Journal of Nuclear Sciences and Applications*, Vol. 40 (3): 42-54.

Elewa, H.H. (Principal Investigator) et. al., 2007. Hydro-environmental Assessment and Control on Areas Affected by Nile Delta Hydrodynamic System. Final Report of a Research Project submitted to the National Authority for Remote Sensing and Space Sciences (NARSS), 351 pp.

Elewa H.H. 2006., Water Resources and Geomorphological Characteristics of Tushka and West of Lake Nasser, Egypt. *Hydrogeology Journal*, Springer Verlag, Heidelberg, Berlin, v. 14, Issue No. 6, pp. 942-954.

Elewa H.H., 2006., Determining Priority Areas for the Sustainable Development of Wadi El Assiuti Valley, Eastern Desert, Egypt, Using Hydrogeological, Remote Sensing and GIS Criteria. *Egyptian Journal of Remote Sensing and Space Science*, v. IX, pp. 79-92.



Abdel Moneim A.A., Abu El Ella E.M., **Elewa H.H.**, Atallah M.H., 2006. Hydrogeological and Hydrochemical Assessment of the Groundwater Resources in the Area Between El-Quseir and Safaga, Eastern Desert, Egypt. *Annals Geol. Surv. Egypt*. V. XXIX, pp. 335-356.

Elewa H.H. 2005. Prediction of Future Water Levels of the Pleistocene Aquifer System of WADI EL-Assiuti Area, Eastern Desert, Egypt. *Egyptian Journal of Geology*, v.49, 2005:159-175.

Abdel Samie S. G. and **Elewa, H. H.**, 2005. Hydrogeochemical and Environmental Isotopic Evaluation of Groundwater of the Area Located to the Northwest of the Gulf of Suez Coast, Egypt. *Egyptian Journal of Geology*, v.49, 2005, p.109-131.

Elewa H.H. 2005, A Strategy for Optimizing Groundwater Recharging by Flood Water in the Northwestern Coastal zone of the Gulf of Suez, Egypt. Proceeding, 5th Int. Symposium on Management of Aquifer Recharge (ISMAR 5), 10-16 June, Berlin, Germany.

Elewa H.H. and Fathy R.G., 2005. Recent Recharges Possibilities Determination of the Pleistocene Aquifer System of Wadi El-Assiuti Basin, Egypt, using Hydrogeochemical and Environmental Isotopic Criteria, Egypt. *J. Appl. Geophysics*, v. 4, No. 2, September 2005, pp. 251-267.

Elewa H.H., Abu El Ella E. M., Abdel Moneim A.A. and Atallah M.H. 2005. The Influence of the Geomorphometric Parameters and Soil Properties on the Hydrological Characteristics in the Area Between Safaga and El-Quseir, Eastern Desert. *Annals Geol. Surv. Egypt*. V. XXVIII, pp. 523-545.



Elewa, H. H., Hassan A.Z.A. and Kotb M.M., 2005. Possibility of the Agricultural Expansion Based on Land and Water Resources Potentialities at the Southern Part of Wadi Qena, Central Eastern Desert, Egypt. *Egypt. J. Soil Sci.* 46 (2): (153-174).

Elewa, H.H. (Principal Investigator) et. al., 2005. Water and Land Resources Assessment for the Eastern Fringes of Assiut District and its Adjacent Areas, Egypt, Using Geo-information Technologies. National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 250 p.

Elewa H.H. et. al. 2004. WATERMED-WATERUse Efficiency in Natural Vegetation and Agricultural Areas by Remote Sensing in the MEDiterranean Basin, Contracted Report, NARSS-EUROPEAN COMMISSION. 1999-2004 (Final Report, Published Online, 2004).

Elewa, H.H. (Principal Investigator) et. al., 2004. Water resources Assessment and Future Land Use Planning of the Area Located to the Northwestern Coast of the Gulf of Suez , Egypt. National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 247 p.

Zaghloul, E.A., **Elewa, H.H.** and others. 2004. WATERMED-WATER Use Efficiency in Natural Vegetation and Agricultural Areas by Remote Sensing in the MEDiterranean Basin, Contracted Report, NARSS-EUROPEAN COMMISSION. 1999-2004 (Final Report, Published Online 2004).

Elewa H.H., Fathy R.G. and Zaghloul E.A., 2003. Potentiality of Water Resources of Halaib-Shalatin area, South Eastern Desert, Egypt., 2nd Int. Symposium on Integrated Water Resources



Management: Int. Assoc. of Hydrol. Sciences, ISHS, South Africa.

Zaghloul, E.A., Yehia M.A., **Elewa H.H.**, 2003. Rock art Paintings (Rock Inscriptions) at Gebel Abraaq, south Eastern Desert, Egypt. *Egypt. J. of Remote Sensing & Space Sci.*, Cairo, Egypt. V. 6, pp. 3-18.

Elewa H.H., Zaghloul E.A. and Nour S., 2002. Assessment of Groundwater in Fissured Carbonate Aquifer System in Sinai Peninsula, Egypt, 3rd Int. Symposium of Sustainable Agro-Environmental Systems: New Technologies and Applications, 26-29 Oct. 2002 (Proc.), Cairo, Egypt.

Elewa H.H. 2002. Water Resources and Geoenvironmental Characteristics of Tushka and West Lake Nasser area, Proc. Int. Conf. Remote Sensing in Urban Areas, Istanbul, Turkey, V. II, pp. 705-713.

Fathy, R.G. and **Elewa H. H.**, 2002. Hydrogeoelectrical Investigations Conducted at Wadi Hodein, Wadi Ibib and Wadi Serimtai Located at the Southeastern Part of Egypt, *Al-Azhar Bull. Sci.* Vol. 13, No. 2 (Dec.): pp. 15-38.

Zaghloul E.A., Nassif O., **Elewa H.H.**, 2002. Surface water assessment and hydrological regions in Sinai Peninsula, Egypt, Proc. Int. Conf. Remote Sensing in Urban Areas, Istanbul, Turkey, V. II, pp. 697-704.

Elewa H.H., Fathy, R.G. and Zaghloul, E.A., 2001. Groundwater Potential of the Southern Part of Wadi Qena Basin, Eastern Desert of Egypt Using Remote Sensing Techniques. *Egypt. J. of*



Remote Sensing & Space Sci, V. 3, pp. 135-152. 2000.

- Elewa, H.H., et al. 2002. Evaluating the Impacts of the Excessive Pumping of Groundwater in Siwa Oasis, National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 120 p.
- Elewa, H.H. et al. 2001. Water Resources and Sustainable Development in Wadi El-Qubaniya, West of Aswan, Egypt, National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 45 p.
- Elewa, H.H. 2001. Water resources capabilities in Northeast Sinai, Egypt, National Authority for Remote Sensing and Space Sciences (NARSS), Cairo, Egypt. Final Report, 67 p.
- Elewa, H.H. 2001. Intrusive Dykes and its Relation to Groundwater Occurrences in the Southeastern part of Egypt, National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 55 p.
- Elewa, H.H. 2000. Water Resources in the Area Located between Ayoun Mousa - Ras Deheisa - North Ras Sudr, Southwest Sinai, Egypt, National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 45 p.
- Elewa, H.H. 2001. Geoenvironmental Studies on Farafra Oasis, Western Desert, Egypt, National Authority for Remote Sensing and Space Sciences (NARSS), Final Report, 145 p.
- Elewa, H.H. et al., 2000. Water Resources and Geoenvironmental Characteristics of Tushka and West Lake Nasser area, National Authority for Remote Sensing and Space Sciences (NARSS), Cairo, Egypt. Final Report, 130 p.



Khalaf, F., Zaghoul, E.A. and **Elewa, H.H.**, 2000. Geoenvironmental Study of the Coastal Zone between Burullus and Port Said, Preliminary Unpublished Report, National Authority for Remote Sensing and Space Sciences (NARSS), Cairo, Egypt.

Elewa, H.H. 1999. Exploratory Notes to Accompany the Hydrogeological Map of Halaib-Shalatin Area, National Authority for Remote Sensing and Space Sciences (NARSS), Cairo, Egypt.

Elewa, H.H. and Zaghoul, E.A. 1998 to 2000. Study of the Water Resources in Halaib-Shalatin Area, National Authority for Remote Sensing and Space Sciences (NARSS), Cairo, Egypt, Final Report.

Elewa H.H., Zaghoul A., Abd El-Samie S.G., 1999. Groundwater Evolution in Halaib and Shalatin Area, South-East Egypt, as Indicated by Hydrochemistry and Environmental Isotopes. Bull. Isotope and Radiation Research (Middle Eastern Regional Radioisotope Center) V. 32, 1-11 p.

PROCEEDINGS (CONFERENCES ATTENDED)

13th International Geological Conference (SSG 220), 3-6 March 2020, Jeddah, Saudi Arabia

XX. International Conference on Computational Methods in Water Resources (CMWR 2014), 10th - 13th June, 2014 at the University of Stuttgart, Germany. <http://www.cmwrconference.org/>

3rd International Interdisciplinary Conference on Predictions for Hydrology, Ecology, and Water Resources Management: Water Resources and Changing Global Environment (HydroPredict 2012). 24-27 September 2012, Vienna, Austria. <http://web.natur.cuni.cz/hydropredict2012/>



International Conference on Water Environment and Resources: Water and Environment in a Changing World. 20-24 November 2011, Marrakesh, Morocco. Email: info@giweh.ch , www.giweh.ch.

6th Dubrovnik Conference on Sustainable Development of Energy Water and Environment Systems (SDEWES-2011), September 25-29, 2011, Dubrovnik, Croatia. <http://www.dubrovnik2011.sdewes.org/>

The 7th Annual International Symposium on Managed Aquifer Recharge (ISMAR7). Abu Dhabi, 9-13 October 2010, www.ismar7.org.

XVIII International Conference on Computational Methods in Water Resources (CMWR2010). June 21-24, 2010, Barcelona, Spain, <http://www.congress.cimne.com/CMW2010>.

5th Congress of Scientific Research Outlook in the Arab World; Scientific Innovation & Sustained Development. 25-30 October 2008 – Fez, Morocco. <http://www.astf.net/sro/sro5>

International Interdisciplinary Conference on Predictions for Hydrology, Ecology and Water Resources Management Using Data and Models to Benefit Society. Prague, Czech Republic, 15-18 September 2008.

6th International Symposium on Managed Aquifer Recharge (ISMAR 6), Oct. 28 - Nov. 2, 2007, Phoenix, Arizona. U.S.A. <http://www.ismar7.org/event-background.php>

International Conference on Climatic Changes and their Impacts on Coastal Zones and River Deltas: Vulnerability Mitigation and Adaptation, April 23-25, 2007, Alexandria, Egypt. <http://www.ccie.eg.net/index.html>



IAHR-GW 2006. International Groundwater Symposium on Groundwater Hydraulics in Complex Environments, 12-14 June 2006, Toulouse, France.

6th International AARSE Conference on Earth Observation & Geoinformation Sciences in Support of Africa's Development, 30 October – 2 November, 2006.

5th International Symposium on Management of Aquifer Recharge (ISMAR5), 12 – 16 June 2005, Berlin, Germany.

3rd International Symposium on Sustainable Agro-Environmental Systems: New Technologies and Applications (AGRO-ENVIRON 02). 26 – 29 October 2002, Cairo, Egypt.

3rd International Symposium on Remote Sensing of Urban Areas, 11 – 13 June 2002, Istanbul, Turkey.