

Ahmed Harb Rabia

RESEARCH ASSISTANT PROFESSOR

NORTH DAKOTA STATE UNIVERSITY

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CORE COMPETENCIES

Knowledge of Precision Agriculture, Plant Phenomics, Image Analysis, Spatial Analysis, Remote Sensing, Geoinformatics, Machine Learning, UAVs, Vegetation Mapping, Stand Count and Crop Stress Evaluation, Site-Specific Management, Data Analysis, Statistical Analysis, Project Management, ArcGIS, eCognition, ENVI, and PIX4D, Google Earth Engine, TensorFlow, Python, R programming.

EDUCATION

- **Ph.D.** in Remote Sensing and GIS, University of Naples. 2010-2013
- **Professional Master** in Geomatics, University of Florence. 2008-2009
- **M.Sc.** in Soil and Water Sciences, University of Alexandria. 2002-2007
- **B.Sc.** in Soil and Water Sciences, University of Alexandria 1997-2001

EXPERIENCE AND POSITIONS

- **Research Assistant Professor:** Department of Agricultural and Biosystems Engineering, North Dakota State University, ND, USA. 2023-present
- **Associate Professor:** Faculty of Agriculture, Department of Natural Resources & Agricultural Engineering, University of Damanhour, Egypt. 2022-present
- **Postdoctoral Research Associate:** Crop Ecophysiology & Precision Agriculture laboratory, Plant & Soil Sci. Department, Texas Tech University, TX, USA. 2020-2022
- **Visiting Scholar:** Crop & Soil Sci. Department, College of Agriculture and Environmental Sciences, University of Georgia, GA, USA. 2018-2020
- **Assistant Professor:** Faculty of Agriculture, Department of Natural Resources and Agricultural Engineering, University of Damanhour, Egypt. 2013-2022
- **Director of SPACE Center:** Sustainable Production and Adaptation to Climate Change Effects Center), Faculty of Agriculture, Damanhour University, Egypt. 2016-2018
- **Director of the Information Technology Unit:** Faculty of Agriculture, Damanhour University, Egypt. 2016-2018
- **Post-doctor fellow:** IBIMET Institute, National research center of Italy (CNR) in Florence, Italy. 2014
- **Research Assistant (YSSP):** International Institute for Applied Systems Analysis (IIASA), Schlossplatz, Laxenburg, Austria. 2011
- **Assistant Lecturer:** Faculty of Agriculture (Department of Natural Resources and Agricultural Engineering), University of Damanhour, Egypt. 2007-2013
- **Teaching Assistant:** Faculty of Agriculture (Department of Natural Resources

GRANTS AND FUNDED PROJECTS (Total to date: \$235,000)

- 2020-2021: Principal investigator (PI), **Employing Unmanned Aircraft Systems (UAS) Imagery and Precision Agriculture Techniques for Soil and Crop Monitoring.** Awarded \$50,000.
- 2018-2020: Principal investigator (PI), **Building Decision Support System Based on GIS and RS for Precision Agriculture applications and Natural Resources Management.** Co-funded by the University of Georgia and Egyptian cultural affairs. Awarded \$50,000.
- 2017: Principal investigator (PI), grant by the National Academy of Sciences for the development and coordination of a curriculum on **international standards of publication and responsible authorship.** Awarded \$1,500.
- 2016-2017: Principal investigator (PI), **Towards Sustainable Potato Production under Climate Change Conditions.** funded by ARCA – Alexandria. Awarded \$70,000.
- 2015-2016: Principal investigator (PI), grant by the National Academy of Sciences for the **development and coordination of a national workshop for teaching responsible Science,** Egypt. Awarded \$1,000.
- 2010-2013: Team member, **Multifunctional Soil Conservation and Land Management through the Development of a Web-Based Spatial Decision Supporting System.** Department of Agriculture, University of Naples, Italy. Awarded \$20,000.
- 2010-2013: Team member, **Soil Sealing and Land Use Change Detection Applying Geographic Object-Based Image Analysis (GEOBIA) Technique.** Department of Agriculture, University of Naples, Italy. Awarded \$40,000.
- 2008-2009: Team member. **Land Evaluation in kilte awulaelo district, Tigray region, Ethiopia**”, Istituto Agronomico per L’oltremare Faculty of Agriculture, Firenze University, Italy. Awarded \$3000.

PUBLICATIONS

PEER-REVIEWED JOURNAL PUBLICATIONS

- 21- Abdelaty, E. F., Fayed, A., & **Rabia, A. H.** (2023). Using Multi Temporal Remote Sensing Data for Monitoring Land Use Land Cover Changes In El Alamein Area, The North Western Coast of Egypt. *Journal of Agricultural and Environmental Sciences*, 22(2), 1-28. <https://dx.doi.org/10.21608/jaesj.2023.207376.1084>
- 20- Fawzy, E., **Rabia, A. H.**, Allam, D. G., & Abdelraouf, E. (2022). Thermal-and RGB Imaging as Potential Tools for Assessing Chlorophyll and Nutritional Performance of Pepper (*Capsicum annum*). *Journal of Agricultural and Environmental Sciences*, 21(3), 80-100. <https://doi.org/10.21608/jaesj.2023.183366.1053>
- 19- Linda See, Ivelina Georgieva, Dmitry Schepaschenko, Olga Danylo, *et. al.*, (2022). Drivers of tropical forest loss between 2008 and 2019. *Sci Data* **9**, 146. <https://doi.org/10.1038/s41597-022-01227-3>.
- 18- Lesiv, M., Schepaschenko, D., Buchhorn, M., See, L., Dürauer, M., Georgieva, *et. al.*, (2022). A global forest management map for 2015 at a 100 m resolution. *Sci Data* **9**, 199. <https://doi.org/10.1038/s41597-022-01332-3>.
- 17- See, L., Georgieva, I., Duerauer, M., Kemper, T., Corbane, C., *et. al.*, (2021). A Crowdsourced Global Data Set for Validating Built-up Surface Layers. *Scientific Data* **9**, 13. <https://doi.org/10.1038/s41597-021-01105-4>.

- 16- **Rabia, A. H.**, Neupane, J., Lin, Z., Lewis, K., Cao, G., Guo, W. (2021). Principles and Applications of Topography in Precision Agriculture. In "Advances in Agronomy" (D. L. Sparks, ed.), Vol. 171. pp. 143-189. Academic Press. <https://doi.org/10.1016/bs.agron.2021.08.005>.
- 15- **Rabia, A. H.** Abdelaty, E. F., Elsayed, M. L., Mohamed, A. A. A., Wassar, F., Fiorillo, E., De Vecchia, A., Tarchiani, V. (2021). Change Detection of Olive Trees Distribution Using Semi-Automated Object Based Image Classification. Alexandria Science Exchange Journal, 42, 857-869. DIO: <https://doi.org/10.21608/asejaiqjsae.2021.205324>
- 14- **Rabia, A. H.**, Mohamed, A. A. A., Abdelaty, E. F., Shahin, S. F., and Yacout, D. M. (2021). Investigating Adaptation Strategies Developed by Potato Farmers to Cope with Climate Change Impacts in Egypt. Alexandria Science Exchange Journal, 42, 871-881. DOI: <https://doi.org/10.21608/asejaiqjsae.2021.205325>
- 13- Lin, Z., Guo, W., **Rabia, A. H.** (2021). Cotton Stand Count Using UAS Imagery and Deep Learning. Beltwide Cotton Conferences, 5-7 January 2021, Virtual Live-stream Event. <https://doi.org/10.5281/zenodo.5557982>.
- 12- Liakos, V., Smith, E., Andreis, J., Vellidis, G., Pavlou, D., Orfanou, A., Porter, W., Onker, T., and **Rabia, A. H.** (2021). 104. Blueberry app: a tool for irrigation scheduling on blueberries for the Southeastern USA. In "Precision agriculture '21", pp. 871-876. <https://doi.org/10.3920/978-90-8686-916-9>.
- 11- **Rabia, A. H.**, Yacout, D. M., Shahin, S. F., Mohamed, A. A., and Fawzy, E. A. (2018). Towards Sustainable Production of Potato under Climate Change Conditions. Journal of Current Applied Science and Technology. Vol. 18 (3). DOI: <https://doi.org/10.14456/cast.2018.15>.
- 10- Yacout, D. M., **Rabia, A. H.**, Shaheen, S. F., (2018). Enhancing Responsible Conduct of Science in Egypt. 3rd International Conference of Biotechnology and Environment (ICBE). September 5-7, 2018. <https://doi.org/10.6084/m9.figshare.9034358.v1>
- 9- Linda See, Dmitry Schepaschenko, Myroslava Lesiv, Ian McCallum, *et al.*, (2015). Building a hybrid land cover map with crowdsourcing and geographically weighted regression. ISPRS Journal of Photogrammetry and Remote Sensing, 103, 48–56. DOI: <https://doi.org/10.1016/j.isprsjprs.2014.06.016>.
- 8- **Rabia, A. H.**, Afifi, R. R., Aweke, M. G., Bianchi, S., Figueredo, H., Gutiérrez, M. G., Huang, T. L., Lopez, B. A. A., Mandala, S. D., Matta E., Ronchi, M., Solomon H. W., TINE, A. K., Youssef, M. S., Yusuf, M. M., & Alessandro V. (2013). Soil mapping and classification: a case study in the Tigray Region, Ethiopia. Journal of Agriculture and Environment for International Development (JAEID), 107(1):73 - 99. ISSN: 2240-2802. DOI: <https://doi.org/10.12895/jaeid.20131.81>
- 7- **Rabia, A. H.**, Figueredo, H., Huang, T. L., Lopez, B. A. A., Solomon, H. W., & Alessandro, V. (2013). Land Suitability Analysis for policy making assistance: A GIS based land suitability comparison between surface and drip irrigation systems. International Journal of Environmental Science and Development (IJESD), 4(1), 1-6. DOI: <https://doi.org/10.7763/IJESD.2013.V4.292>.
- 6- **Rabia A. H.**, & Terribile F. (2013). Introducing a new parametric concept for land suitability assessment. International Journal of Environmental Science and Development (IJESD), 4(1), 15-19. DOI: <https://doi.org/10.7763/IJESD.2013.V4.295>.
- 5- Fritz, S., See, L., Van der Velde, M., Nalepa, R., Perger, C., Schill, *et al.*, (2013). Downgrading Recent Estimates of Land Available for Biofuel Production. Environmental Science & Technology, 47(3), 1688-1694. DOI: <https://doi.org/10.1021/es303141h>.

- 4- **Rabia, A. H.** (2012). Mapping Soil Erosion Risk Using Rusle, Gis and Remote Sensing. The 4th International Congress of ECSSS, EUROSOIL 2012 “soil science for the benefit of mankind and environment”, pp: 1082, 2-6 July, Bari, Italy.
- 3- **Rabia, A. H.** (2012). A GIS based land suitability assessment for agricultural planning in Kilde Awulaelo district, Ethiopia. The 4th International Congress of ECSSS, EUROSOIL 2012 “soil science for the benefit of mankind and environment”, pp: 1257, 2-6 July, Bari, Italy.
- 2- **Rabia, A. H.** (2012). Modeling of Soil Sealing by Urban Sprawl in Wukro, Ethiopia Using Remote Sensing and GIS Techniques. Taza GIS-Days: The International Conference of GIS Users, Fez, Morocco, Sidi Mohamed Ben Abdellah University, May 23-24, pp. 484-488.
- 1- **Rabia, A. H.** (2012). GIS Spatial Modeling for Land Degradation Assessment in Tigray, Ethiopia. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Cesme -Izmir, Turkey, Ege University, May 15-17, vol. 3, pp. 161-167.

BOOKS, CONFERENCES, AND OTHER PUBLICATIONS

- 26- M Lesiv, D Shchepashchenko, M Buchhorn, L See, M Dürauer, *et. al.*, (2021). Global forest management data at a 100m resolution for the year 2015. International Institute for Applied Systems Analysis (IIASA), <https://doi.org/10.5281/zenodo.4541512>.
- 25- JC Laso Bayas, L See, I. Georgieva, D Shchepashchenko, O Danylo, *et. al.*, (2021). Crowdsourcing deforestation in the tropics during the last decade: Data sets from the “Driver of Tropical Forest Loss” Geo-Wiki campaign. International Institute for Applied Systems Analysis (IIASA), <https://doi.org/10.22022/NODES/06-2021.122>.
- 24- **Rabia, A. H.**, Lin, Z., Guo, W. (2021). Estimating Cotton Stand Count Using UAV-Based Imagery. Beltwide Cotton Conferences, 5-7 January 2021, Virtual Live-stream Event.
- 23- **Rabia, A. H.** (2020). Land Use and Land Cover Change Detection for Sustainable Land Use Planning. The 8th International Conference on Sustainable Development (ICSD-2020), 21-22 Sep 2020, New York, USA.
- 22- Morari, F., **Rabia, A. H.**, Presti, S. L., Maleski, J., Gobbo, S., Bosch, D., Vellidis, G. (2020). Evaluation of SEBAL and METRIC Energy Balance Models for Evapotranspiration Estimation in Precision Agriculture. The EGU General Assembly 2020. May 4-8, Vienna, Austria. DOI: <https://doi.org/10.5194/egusphere-egu2020-22272>
- 21- **Rabia, A. H.**, Gobbo, S., Morari, F., Presti, S. L., Vellidis, G. (2019). Remote Sensing of Evapotranspiration Using SEBAL and METRIC Energy Balance Models for Enhanced Precision Agriculture Cotton Irrigation Scheduling. ASA-CSSA-SSSA 2019 International Annual Meeting, Nov. 10-13 | San Antonio, Texas, USA.
- 20- **Rabia, A. H.**, Tofanini, A., Lacerda, L. N., Vellidis, G. (2019). Leaf Area Index Estimation Under Different Nitrogen Treatments Using Unmanned Airborne Vehicles’ Hyperspectral Images for Precision Agriculture. ASA-CSSA-SSSA 2019 International Annual Meeting, Nov. 10-13 | San Antonio, Texas, USA.
- 19- Vellidis, G., Alchanati, V., Cohen, Y., Gobbo, S., Lacerda, L. N., Liakos, V. Morari, F. Presti, S. L., **Rabia A. H.**, Snider J. (2019). How the Promise of Remote Sensing Is Finally Making an Impact in Agriculture: Case Studies from Around the World. ASA-CSSA-SSSA 2019 International Annual Meeting, Nov. 10-13 | San Antonio, Texas, USA.
- 18- **Rabia, A. H.**, (2018). Spatial Distribution of Heavy Metals Contamination in Soils Using Remote Sensing and GIS Techniques. The 19th International Conference on Heavy Metals in

- the Environment (ICHMET) 2018, University of Georgia, Athens, GA, USA. DOI: <https://doi.org/10.6084/m9.figshare.9036815.v1>
- 17- Gomaa, H. A., Yacout, D. M., **Rabia, A. H.**, Shaheen, S. F., (2018). Assessment of Climate Change Impacts on Barley Production in Rain-Fed Areas in Northern Egypt. 2nd International Conference of Biotechnology and Environment (ICBE). March 28-30, 2018. DOI: <https://doi.org/10.6084/m9.figshare.9036713.v1>
 - 16- **Rabia, A. H.**, Yacout, D. M., Shaheen, S. F., (2016). Towards Sustainable Potato Production under Climate Change Conditions: a community-based adaptation approach. The 43rd, Annual Conference of the Association of Egyptian-American Scholars (AEAS), Zewail City of Science and Technology (ZC), Giza, Egypt, December 22 – 24, 2016.
 - 15- Yacout, D. M. M. and **Rabia, A. H.**, 2016. Potentials of sustainable Potato agriculture by precision farming in Egypt. International conference of biotechnology and environment (1-3 Nov), Alexandria, Egypt., P 59. DOI: <https://doi.org/10.5281/zenodo.3350930>
 - 14- Shaheen S. F., Yacout D. M., **Rabia A. H.**, (2016). Comparison between Potato (*Solanum tuberosum* L.) Cultivars and Abiotic stress genes. The international conference "EnviroInfo 2016 - Environmental Informatics – Stability, Continuity, Innovation: Current trends and future perspectives based on 30 years of history, HTW University, Berlin, Germany, September 14-16, 2016.
 - 13- **Rabia, A. H.**, (2016). Land Capability Classification - Assessment of Carrying Capacity and Utilization Intensity. The international conference "EnviroInfo 2016 - Environmental Informatics – Stability, Continuity, Innovation: Current trends and future perspectives based on 30 years of history, HTW University, Berlin, Germany, September 14-16, 2016. DOI: <https://doi.org/10.5281/zenodo.3350939>
 - 12- **Rabia A. H.**, Mourad A. Y., Hossain I., (2016). Effect of Zinc on Pigments Content in Three Navy Bean (*Phaseolus Vulgaris* L.) Varieties Grown in Sand Culture. The international conference "EnviroInfo 2016 - Environmental Informatics – Stability, Continuity, Innovation: Current trends and future perspectives based on 30 years of history, HTW University, Berlin, Germany, September 14-16, 2016. DOI: <http://dl.gi.de/handle/20.500.12116/25546>.
 - 11- **Rabia, A. H.**, (2016). Salinization Modeling as an Impact of Irrigation System Modernization: From Surface to Drip Irrigation. The international conference "EnviroInfo 2016 - Environmental Informatics – Stability, Continuity, Innovation: Current trends and future perspectives based on 30 years of history, HTW University, Berlin, Germany, September 14-16, 2016. DOI: <https://doi.org/10.5281/zenodo.3351635>
 - 10- **Rabia, A. H.** & Yacout, D. M. M., (2016). Responsible Conduct of Science and Possible methods for avoiding Scientific Misconduct in Egypt. The 4th International Conference on Enhancing Scientific Research: Excellence in Innovation and Sustainable Development, Tanta University, July 25-27, 2016, Tanta, Egypt.
 - 9- **Rabia, A. H.**, (2016). GIS Applications as a Significant Tool in Genetic Studies. The First International Conference of Genetics and Its role in life science development, Alexandria, Egypt, 19-22, April 2016.
 - 8- **Rabia, A. H.** Abdelaty, E. F., Elsayed, M. L., Mairech, H., Mohamed, A. A. A., Wassar, F., Fiorillo, E., Ungaro, F., Tarchiani, V., De Vecchia, A. (2015). Using GEOBIA in Studying Land Use and Land Cover Changes. *In* "First Conference on Proximal Sensing Supporting Precision Agriculture", 6-10 September, Turin, Italy.

- 7- **Rabia, A. H.,** & Terribile, F. (2013). Semi-Automated Classification of Gray Scale Aerial Photographs using Geographic Object Based Image Analysis (GEOBIA) Technique. European Geosciences Union (EGU) General Assembly 2013, Vienna | Austria, 07 – 12 April 2013.
- 6- **Rabia, A. H.** (2012). Nutrient Film Technique as a Hydroponic System: A practical guide to grow your own plants easy, healthy, fresh and low cost. Self-published. Printed by CreateSpace, Charleston. 60 p. ISBN: 978-1-480-09002-6.
- 5- **Rabia, A. H.** (2012). Using Geographic Object Based Image Analysis (GEOBIA) for Soil Sealing Change Detection in Order to Evaluation the Loss of Soil Biomass Production Function. In UNESCO World Science Day for Peace and Development, Naples, Italy. November 2012.
- 4- **Rabia, A. H.** (2012). Do we really need new policies? A study on soil sealing in Egypt. IIASA's 40th Anniversary Conference: worlds within reach from science to policy. 24 – 26 October. Vienna, Austria.
- 3- **Rabia, A. H.** (2012). Fertilizers Solubility and Absorption by Plants. GRIN Publishing GmbH, Munich. 30 p. ISBN: 978-3-656-28798-8 (In Arabic).
- 2- **Rabia, A. H.** (2012). Zinc as a Necessary Nutrient and Its Effect on Plant Growth. Lambert academic publishing. 169 p. ISBN. 978-3-8454-2477-4.
- 1- **Rabia, A. H.** (2010). Rusle Soil Erosion Estimation in Ethiopia Using Gis Techniques. ESF-ZiF-Bielefeld Conference, Environmental Change and Migration: From Vulnerabilities to Capabilities. 5-9 December 2010, Bad Salzuflen, Germany.

HONORS AND AWARDS

- 2019: a grant by the Georgia Cotton Commission to pursue a 6-month research visit to the University of Georgia, USA.
- 2018: a grant by the Egyptian cultural affairs and mission sector to pursue a 6-month research visit to the University of Georgia, USA.
- 2018: Certified Trainer of Trainees (TOT)
- 2017: a grant by the US National Academy of Sciences for the development and coordination of a curriculum on international standards of publication and responsible authorship (including the prevention of plagiarism).
- 2016: a grant by ARCA-Alexandria for a research project titled "Towards Sustainable Potato Production under Climate Change Conditions".
- 2016: Invited speaker at The First International Conference of Genetics and Its Role in life science development, Alexandria, Egypt.
- 2015: a grant by the US National Academy of Sciences for the development and coordination of a national workshop for teaching responsible Science, in Egypt.
- 2014: Awarded a Scholarship within the framework of the Multi-Disciplinary Training Program "Science for Diplomacy", IBIMET Institute, National research center of Italy (CNR) in FIRENZE (ITALY).
- 2011: Scholarship from International Institute for Applied Systems Analysis (IIASA) to attend the young scientist summer program (YSSP - 2011).
- 2010: Scholarship from the University of Naples Federico II for Full Ph.D. Program.
- 2008: Scholarship from the Italian Ministry of Foreign Affairs to attend the master's degree course: "Geomatics and Natural Resources Evaluation" Istituto Agronomico per L'oltremare Faculty of Agriculture, Firenze University, Italy.

DRONE (UAS) EXPERIENCE

- FAA Certified Remote Pilot for Unmanned Aerial Systems (UAS)
- Operated models:
 - DJI Phantom 4,
 - DJI Phantom 4 pro+,
 - DJI Matrice 600 pro,
 - DJI Matrice 210 pro

MEDIA COMMUNICATIONS

- **Invited guest** to the Egyptian TV show “For All People” to discuss about agricultural land reclamation, 2017, YouTube [link](#).
- **Interview:** In the City of Science in Naples, Italy during the UNESCO World Science Day for Peace and Development, Naples, Italy. 2012, YouTube [link](#)
- **Interview:** Research focus and development by the International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria. 2011, YouTube [link](#)

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

- The International Society of Precision Agriculture (ISPA).
- The Soil Science Society of America (SSSA).
- The International Geospatial Society (IGS).
- The Global Spatial Data Infrastructure Association (GSDI).
- The Soil and Water Conservation Society (SWCS).
- The Italian Society for Soil Science (SISS).
- The Egyptian Soil Sciences Society (ESSS).

CONFERENCES ATTENDED

- The 2021 Global Symposium on Salt-affected Soils (GSAS21), 20-22 October 2021, Online meeting.
- The 2020 Google’s Geo for Good Summit, 20-21 October 2020, Virtual meeting.
- The 8th International Conference on Sustainable Development (ICSD-2020), 21-22 Sep 2020, New York, USA [online].
- The European Geoscience Union (EGU) General Assembly 2020. 4-8 May, Vienna, Austria [online].
- The 2019 ASA-CSSA-SSSA International Annual Meeting | Nov. 10-13 | San Antonio, Texas.
- The 2019 Georgia Water Resources Conference, University of Georgia, Athens, GA, USA, 16 Apr – 17 Apr 2019.
- The 19th International Conference on Heavy Metals in the Environment (ICHMET) 2018, University of Georgia, Athens, GA, USA, 22 July – 25 July 2018.
- The 43rd, Annual Conference of the Association of Egyptian-American Scholars (AEAS), Zewail City of Science and Technology (ZC), Giza, Egypt, December 22 - December 24-2016.
- The international conference "EnviroInfo 2016 - Environmental Informatics – Stability, Continuity, Innovation: Current trends and future perspectives based on 30 years of history, HTW University, Berlin, Germany, September 14-16, 2016.
- The 4th International Conference on Enhancing Scientific Research: Excellence in Innovation and Sustainable Development, Tanta University, Tanta, Egypt, July 25-27, 2016.

- The First International Conference of Genetics and Its role in life science development, Alexandria, Egypt, 19-22, April 2016.
- The BioVision conference, New Life Sciences: “The Road Ahead” Alexandria, Egypt, April 12-14, 2016.
- The BioVision conference “New Life Sciences: The Next Decade.” Alexandria, Egypt, April 7-9, 2014.
- The First International Conference “Food and Agriculture new Approaches”, 2-4 December 2013, National Research Centre, Cairo, Egypt.
- European Geosciences Union (EGU) General Assembly 2013, Vienna, Austria. 07 – 12 April 2013.
- 2013 1st Journal Conference on Environmental Science and Development (JCESD 2013 1st), Rome, Italy. February 24-25, 2013.
- UNESCO World Science Day for Peace and Development, City of Science, Napoli, Italy. 10 November 2012.
- IIASA’s 40th Anniversary Conference: worlds within reach from science to policy. Vienna, Austria. 24 – 26 October 2012.
- The 4th International Congress of ECSSS, EUROSOL 2012 “soil science for the benefit of mankind and environment”, Bari, Italy. 2-6 June 2012.
- Taza GIS-Days: The International Conference of GIS Users, Fez, Morocco, Sidi Mohamed Ben Abdellah University, May 23-24, 2012.
- The 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Cesme -Izmir, Turkey, Ege University, May 15-17, 2012.
- The 4th online climate conference CLIMATE 2011 / KLIMA 2011, " "Climate Change and Disaster Risk Management", 7-12 November 2011.
- ESF-ZiF-Bielefeld Conference, Environmental Change and Migration: From Vulnerabilities to Capabilities. 5-9 December 2010, Bad Salzflen, Germany.
- Commonwealth Climate Change Communication Conference (C5) - Online conference – 24-26 November 2010.
- "Climate Change and the Sustainable Management of Water Resources" 1-7 November 2010 – Online conference, Germany.
- ESRI Europe, Middle East and Africa User Conference 2010. "ESRI EMEA". 26-28 October 2010, Rome, Italy

LANGUAGES

- **Arabic:** Native Language
- **English:** Proficient
- **Italian:** Advanced

PROFESSIONAL WEBPAGES

<https://scholar.google.com/citations?user=TTE7CiwAAAAJ&hl=en>

<https://www.researchgate.net/profile/Ahmed-Rabia>

<https://orcid.org/0000-0002-4224-552X>

<https://github.com/Ahmed-Rabia>