Curriculum Vitae

Mohammed H. GOLABI, PhD

ADDRESSES:

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EDUCATION

Ph.D., 1991. Soil Science. Department of Crop and Soil Sciences, College of Agriculture and Environmental Science, University of Georgia. Athens, Georgia, USA

Ph.D. Dissertation*:* SOIL PHYSICAL PROPERTIES AND THEIR INFLUENCE ON INFILTRATION AND WATER AND SOLUTE MOVEMENT UNDER NO-TILLAGE MANAGEMENT SYSTEMS.

Dissertation Abstract Number: DA9133481. *In*: Dissertation Abstract International. Vol. 52, No. 6
Dec. 1991, P 2827-B**.**

'*This Dissertation has been cited in professional journals by various authors'*

MS, 1986. Agricultural Extension Education (with the emphasis on Soil and Water). University of Georgia, College of Agriculture. Athens, Georgia, USA

BS, 1982. Engineering and Mechanized Agriculture. Oklahoma State University, Agricultural Engineering Department. Stillwater, Oklahoma, USA

PROFESSIONAL EXPERIENCE

August 2014–Present: *Professor*-College of Natural and Applied Sciences, University of Guam.

May 2005 – July 2014: *Associate Professor*- College of Natural and Applied Sciences, UOG.

2001- 2005: *Assistant Professor*- College of Natural and Applied Sciences, University of Guam.

1995 – 2001: *Post-Doctoral Research Associates:* University of Georgia (UGA) and USDA-ARS, at the JP Center in Watkinsville, Georgia (USA).

1991– 1995: ***Post-Doctoral Research Associate***: Agronomy Dept., Purdue University, West Lafayette, Indiana (USA).

RESEARCH INTERESTS

- Soil and Water Conservation and the Rehabilitation of severely Degraded Soils.

- Watershed management studies for evaluating/developing techniques such as the use of Vetiver grass for controlling upland soil erosion for protecting shorelines from sedimentation.

- Unique Agroforestry techniques for preventing sedimentation while converting the steep slope land into cash crop production system.

- Evaluating the effects of surface crop residues and subsurface macroporosity on hydrological properties of the soil affected by different farming practices and overgrazing.
- Developing techniques to evaluate the effects of conservation farming practices such as No-Tillage and Inter-Cropping on chemical, physical and biological properties of the soil.

- Using Lysimeters as an effective method for monitoring chemical movement within the soil matrix to predict the risk of groundwater contamination in shallow aquifers.

- Studying the effect of 'Biochar' on Soil Carbon Dynamics and its impact on 'Carbon Sequestration' as an important factor related to the 'Climate Change' and Global Warming.

- Evaluating the application of 'CropManage' computer program for implementing 'SmartIrigation'.

- Bioremediation of Contaminated Soils for mitigating the environmental pollution caused by soil and water contamination.

- Developing Techniques to convert 'Organic Waste into Organic Fertilizers' via composting, as a 'Resource Recovery Management' strategy'

- Use of Vetiver Grass Technology (VGT) for the purification and Treatment of urban sewage water and other wastewaters for irrigation.

Research Interest's Key words:

- Rehabilitation of degraded Soils
- Watershed Management
- Soil Erosion Control using Vetiver Grass System
- Chemical Movement (Salute Transport) and Groundwater Contamination
- Soil Surface Hydrology
- Bioremediation of Contaminated Soils
- Biochar and Soil Carbon Dynamics (climate change impact studies)
- Biochar and Soil Carbon Sequestration
- Soil Quality and Soil Health for Sustainable Agriculture
- Soil Conservation and its impacts on Soil Properties
- Organic Waste Transformation as a 'Resource Recovery Management' strategy
- Natural ways of Wastewater Treatment

SELECTED RESEARCH PROJECTS

Funded Research Grants/Projects:

1. **2018 – 2021**. Developing Integrated Management Strategies for forest land restoration of degraded watershed basin in southern Guam. PI: **M.H. Golabi,** McIntire-Stennis grant ($15,000/year). ***Ongoing project***

2. ***2019 – 2021***. Using Biochar as a 'Carbon Sequestration' technique while improving soil quality for agricultural sustainability in southern Guam. **PI: M.H. Golabi**. Multi State and Hatch Projects ($15,000/year). ***Ongoing long-term project***

3. **2017 – 2022.** Improving Soil Quality for a Sustainable Agriculture while reducing greenhouse gas emission by increasing carbon sequestration potential of the porous soils of northern Guam. ***PI:*** **M.H. Golabi** (UOG). **Hatch project** (annual funding: $12,000).

4. ***2019 – 2022***. Real-time optimization of Irrigation Scheduling in the kula agricultural park in Maui and Farmers farms in Guam. **PI**: Sayed M. Bateni, Water Resources Research Center, University of Hawaii at Manoa. **Co-PI**: **Mohammad H. Golabi**, Soil Scientist, CNAS-UOG, and Jesse Bamba, extension specialist, CNAS-UOG. USDA funding ($130,000/2years).

5. ***2014 – 2017.*** Developing a Waste Management Strategy for Guam's hotel/restaurant industry. Joined project managed by center for island sustainability (CIS), part of the 'Eco Feed Program. Funded ($377,956) by the Office of Insular Affair's Technical Assistance Program. **Co-PI: M. H. Golabi**. ***Ongoing project***

6. ***2012-2014***. Talakhaya (Rota-CNMI) Watershed Soil Loss Assessment. **PI: M. H. Golabi** (UOG), **Co-PI:** Dana Danko (Saipan Coastal Management). Funded ($97,200 for 1st year, additional $34,200 for 2nd year) by NOAA. ***Completed project***

7. ***2010-present.*** Evaluating Soil Organic Carbon (SOC) storage capacity under different conservation tillage practices on the degraded lands of southern Guam. **PI: M.H. Golabi**. Multi State Project ($10,000/year). **Long term -** ***Ongoing project***

8. ***2010 - 2017***. Evaluating Environmental Impact of Land Application of Composted Organic Waste on Calcareous Soils of northern Guam. **PI**: **M.H. Golabi (**UOG**)**. **Co-PIs:** Endale Dinku (NRCS-USDA), Sayed Hassan (UGA), Bob Schlub (UOG). T-STAR project funded ($146,135/2 years) by USDA. ***Completed project***.

9. ***2011- Present***. Effect of Crop Residue Removal (for biofuel production) on Soil Quality. **PI: M H. Golabi** (UOG*). Multi-state group (NC1178) project funded (15,000/year) by USDA.*

10. ***2009-2010.*** Understanding Household Waste Generation on Guam- Phase I- The Survey. A Cooperative research project between the University of Guam and Okayama University in Japan. **PI: M H. Golabi** (UOG), **CO-PIs:** Kirk Johnson (UOG), Takeshi Fujiwara (Okayama Univ), and Eri Ito (Okayama Univ). ***Collaborative Project*** ($10,000/year**). *Completed***

11. **2006 - Present**. An ecosystem approach to restoring and conserving soil quality in degraded lands of the Pacific islands. USDA Tropical and Subtropical Agricultural Research Program (T-STAR). Funded for $169,000 **(PI: M.H. Golabi**). **Long-term. In Progress**

RESEARCH PROPOSALS RECENTLY SUBMITTED FOR FUNDING:

1. Secure Agriculture Facilities and Equipment for Resident Instruction at the University of Guam. **PD:** Mari Marutani, **Co-PDs: Mohammad Golabi**, Hu Gong Jiang, L. Robert Barber, Jr. funding request ($114,000). ***In review.***

2. Guam-Nebraska Biochar Partnership: Improvement of Guam's Forest Management using Biochar as a Soil Amendment. **PIs:** Mari Marutani (UOG), **M.H. Golabi** (UOG), Joe Mafnus (Guam department of Agriculture-forestry division). Already submitted to the Guam forestry division. **A*pproved, being processed for funding.***

EXTENSION RELATED RESEARCH/ACTIVITIES

Extension/Outreach Project:

1. Topographical watershed Model: **PI: M. Golabi:** We have continued to use this model as an outreach and educational tool for bringing awareness to the public as well as local school children and University students about the natural resources protection and stewardship and how to prevent soil erosion and sedimentation in preserve the quality of water of surrounding areas. This project was initially funded by Sea grant ($30,000) of the College of Natural and Applied Sciences. *An **On-going Project** at CNAS demonstration site.*

2. Application of the Vetiver grass technology (VGT) for Wastewater Treatment, in the village of Inarajan in southern Guam (WWTP): An innovative nutrient removal technology for Southern Guam – Region 9 Water Quality Program – Extension Project ($35,000/year for two years). **PIs:** Manuel V. Duguies and **Mohammad H. Golabi.** Project ***completed*** (results published already).

3. Number of workshops conducted to farmer's group in southern and northern Guam with the focus on soil sampling techniques and importance of Soil and Plant Analysis procedures.

4. Similar Farmers Education Workshop have been conducted in the islands of Saipan, Palau, Pohnpei, and Tinian in northern Marianas.

SELECTED PUBLICATIONS

Referee Journal Articles:

1. **Golabi Mohammad H.**, Ferdinand P. Galsim, Clancy Iyekar (2020). Agronomic value of land application of composted organic waste to porous soil of northern Guam. *Accepted for publication: **Malaysian Journal of Soil Sciences***.

2. Sayed Fakhreddin Afzali, Bijan Azad, **Mohammad H. Golabi**, and Rosa Francaviglia (2019). Using RothC Model to Simulate Soil Organic Carbon Stocks under Different Climate Change Scenarios for the Rangelands of the Arid Regions of Southern Iran. ***Water 2019***, 11(10), 2107; https://doi.org/10.3390/w11102107

3. Ansari, A., & **Golabi, M. H**., (2019). Using Ecosystem Service Modeler (ESM) for Ecological Quality, Rarity and Risk Assessment of the wild goat habitat, in the Haftad-Gholleh protected area. ***International Soil and Water Conservation Research (ISWCR)***. https://doi.org/10.1016/j.iswcr.2019.08.004

4. Sydonia Manibusan, Shahram Khosrowpanah, Mark Alan Lander, **Mohammad H. Golabi**, UJWALKUMAR Dashrath PATIL. (2019). A GIS Based Assessment of a Dynamic Watershed in Guam. ***Hydrology***. Vol. 7, No. 1, 2019, pp. 1-9. doi: 10.11648/j.hyd.20190701.1

5. Ansari Amir, and **Mohammad H. Golabi***. (2018). Prediction of spatial land use changes based on LCM in a GIS environment for Desert Wetlands – A case study: Meighan Wetland, Iran. ***International Soil and Water Conservation Research Journal***. Published by *Elsevier: (2018, vol. 10, 001).* ****University of Guam, USA***.

6. **Mohammad H. Golabi***, Sydonia Manibusan, Timothy Righetti, Dana Okano. (2018). Using Vetiver grass technology for mitigating sediment loads in the Talakhaya Watershed in Rota, CNMI. ***International Soil and Water Conservation Research Journal***. Published by *Elsevier: (2018, vol.03, 001).* ****University of Guam, USA***.

7. Mahjoor Farnoosh*, Ali Asghar Ghaemi*, and **Mohammad H. Golabi**. (2016). Interaction effects of water salinity and hydroponic growth medium on eggplant yield, water-use efficiency, and evapotranspiration. ***International Soil and Water Conservation Research Journal***. Published by *Elsevier: (2016, vol.04, 001).*

8. **Golabi M. H**, Kirk Johnson, Takeshi Fujiwara and Eri Ito (2014) Transforming Municipal Waste into a Valuable Soil Conditioner through Knowledge-Based Resource-Recovery Management. ***Int. J. Waste Resources*** 4:140. doi: 10.4303/2252-5211.1000140

9. **Golabi, M. H.**, S.A. El-Swaify, and Clany Iyekar (2014). Experiment of "no-tillage" farming system on the volcanic soils of Tropical Island of Micronesia. ***International Soil and Water Conservation Research Journa***l. Vol. 2, No. 2, June 2014.

10. Mirdamadian S.H, Emtiazi G, **M.H. Golabi**, Ghanavati H. 2010. Biodegradation of Petroleum and Aromatic Hydrocarbons by Bacteria Isolated from Petroleum-Contaminated Soil. ***J Pet Environ Biotechnol*** 1:102. doi:10.4172/2157-7463.1000102

Book Chapter:

1. Jose Guzman, and **Mohammad H. Golabi**. (2017). Agroecosystem Net Primary Productivity and Carbon Footing. *In:* Soil Health and Intensification of Agroecosystems.

Edited by; Mahdi Al-Kaisi (Iowa State University), and Birl Lowery (University of Wisconsin-Madison). Academic Press (AP), An imprint of Elsevier. London, San Diego, Cambridge, MA, Oxford, England.

2. **Golabi, M.H**., Kirk. Johnson, Takeshi Fujiwara, and Eri Ito. 2012. Transforming the Island's Municipal Waste into a Valuable Soil Conditioner via Knowledge based Resource Recovery Management System. Published *In*: ***Human Migration and the 21st Century Global Society Project***. Publication of the University of the Ryukyus, Okinawa, Japan. ***In Japanese***

3. **Golabi, M.H**., 2012. Using Vetiver Technology (VGT) for the Management of Water Runoff from Construction site in southern Guam. *In*: ***Human Migration and the 21st Century Global Society Project*** (Japanese). Publication of the University of Ryukyus, Okinawa, Japan.

Selected Technical Reports:

1. Ferdinand P. Galsim, **Mohammad H. Golabi**, Clancy Iyekar. (2017). Evaluating the environmental impact of land application of composted organic wastes to porous soil of northern Guam. College of Natural and Applied Sciences, University of Guam.

2. **Golabi Mohammad H**., Ferdinand P. Galsim, Clancy Iyekar, Chieriel Desamito. (2017). Agronomic value of land application of composted organic waste to porous soil of northern Guam. College of Natural and Applied Sciences, University of Guam.

3. **Golabi, M. H**., Pavlina Fojtikova, Johnedel Ducusin, and Anthony Martin. 2015. Compost and Composting - A method of Waste Management Strategy for Recycling of Organic Waste. College of Natural and Applied Sciences, University of Guam.

Selected Local Newspaper Articles (as columnist)**:**

1. **Golabi, M.H.** , (2020). Guam slaughterhouse would expand island's economy. Guam Pacific Daily News (PDN). May 6, 2020.
2. **Golabi, M.H.** , (2019). Prevent soil erosion to protect our water. Pacific Daily News (PDN). May 18, 2019.
3. **Golabi, M.H.** , (2019). Vetiver hedgerows help prevent soil erosion. Pacific Daily News (PDN). March 7, 2019.
4. Krishnapillai Murukesan, and **Golabi, M.H.** (2019). You can be the solution to soil pollution issues. Pacific Daily News (PDN). January 3, 2019.
5. **Golabi, M.H.,** (2018). Help reduce Rhino Beetles via production of Biochar. Guam Pacific Daily News (PDN). October 3, 2018.
6. **Golabi, M.H.** (2017). New UOG master to boost knowledge of soil, climate. Guam pdn. August 2017.
7. **Golabi, M. H**., (2017). Off-Roading: A Threat to Water Quality and Coral's Health in southern Guam. Submitted for publication. Aug 20, 2017
8. **Golabi, M.H.**, 2016. Control erosion protect our reefs. Thursday, January 21, 2016. Pacific Daily News, Hagatna, Guam

9. **Golabi, M.H.**, 2016. Give farm life, properly managed soil. Friday, April 15, 2016. Pacific Daily News, Hagatna, Guam
10. **Golabi, M.H.** 2015. We can cultivate underused soils. September 2015. Pacific Daily News, Hagatna, Guam
11. **Golabi, M.H.,** 2015. Appreciate the value of soils. Monday, November 2, 2015. Pacific Daily News, Hagatna, Guam
12. **Golabi, M.H.**, 2015. Properly manage our soils. Tuesday, December 8, 2015. Pacific Daily News, Hagatna, Guam

SELECTED CONFERENCE PRESENTATIONS/PROCEEDINGS

International/National Presentations/Lectures:

1. **Golabi, Mohammad H**., (2020). A comparison effect of land application of Biochar on Carbon Sequestration from Acidic soils of southern vs. Calcareous soils of northern Guam. *Presented at*: the NC 1178 annual meeting, held during June 16, 2020. ***Virtual meetings.***

2. **Golabi, Mohammad H**., (2019). "Evaluating the effect of 'biochar' on soil quality and on 'Soil Carbon Sequestration' for reducing the carbon print of CO_2 emission into the atmosphere". *Presented at*: the NC 1178 annual meeting, held during July 25-26, 2019 at the University of North Dakota, ***Fargo, North Dakota***.

3. **Golabi M. H.,** (2019). "UOG Soil and Plant Testing and Diagnostic Laboratories". *Presented at the:* Inaugural meeting of the 'Regional Soil Laboratory Network' (RESOLAN) as part of the Pacific Soil Partnership workshops, sponsored by the UN-FAO and the GLOSOLAN (Global Soil Laboratory Network) that was held during 17 to 18 October, 2019 at the ASPACT Ecoscience Precinct in ***Brisbane, Australia***. These meetings also included a tour of the Australian Soil and Plant analysis labs (ASPACT) at the Ecoscience Precinct in which, we observed soil and plant sample preparation as well as some of the Analytical units in the ASPAC labs.

4. **Golabi, M.H.**, (2019). Attended the workshop for drafting the Soil 'Regional Implementation Plan' as a collaborative regional member in the activities of the Pacific Region Institutions in the planning of the subsequent workshop under the 'Global Soil Partnership Pillar of Action'. The meeting was held during 21 to 23 May, 2019 in ***Brisbane, Australia***.

5. **Mohammad H. Golabi**. (2019). 'Promoting, the use of Vetiver grass technology as an Innovative Tourism project for Women's Empowerment in an Island's Community Development and Economic growth'. *Submitted to:* The 40th (UOG) CLASS Annual Research Conference that will convene on Friday, March 8, 2019 in the Humanities and Social Sciences building at the University of Guam, ***Guam***.

6. **Mohammad H. Golabi**, Sydonia Manibusan. (2019). Presentation of topographical features in southern and northern Guam via a small-scale model

as a tool for community education towards watershed conservation efforts. *Presented at the:* 74th Annual Soil and Water Conservation Society (SWCS) Conference. ***Pittsburgh, Pennsylvania (USA).***, July 28-31, 2019. (Poster presentation).

7. **Mohammad H. Golabi**. (2019). Community Education for Watershed Management - Bringing the Field to the Classroom. *Presented at:* The UOG 2019 T.E.A.M Conference, which was held during March 10 – 11, 2019 at the UOG campus, ***Guam***-USA

8. Chieriel Desamito, **Mohammad H. Golabi**, (2019). The Impact of Land Application of Biochar on Carbon Sequestration and Agricultural Sustainability-Follow up Research. *Presented at the:* Conference of Island Sustainability, which will be held in Hyatt Regency ***Guam***, during April 8-12, 2019.

9. **Mohammad H. Golabi**, and Chieriel S. Desamito, and Clancy Iyekar. (2019). Evaluating the effect of long-term conservation practices on soil quality and soil carbon dynamics on severely eroded soils of southern Guam. *Presented at:* The 2019 ASA-CSSA-SSSA International Annual Meeting | Nov. 10-13 | ***San Antonio, Texas (USA).*** (***poster presentation***)

10. Chieriel Desamito, **Mohammad H. Golabi**. (2019) The Impact of Land Application of Biochar on Carbon Sequestration and Agricultural Sustainability. *Presented at the:* Embracing the digital environment: ASA, CSSA & SSSA International Annual Meeting, which was held in ***San Antonia, Texas*** during November 10-13, 2019.

11. **Mohammad H. Golabi**, Ferdinand Galsim, Clancy Iyekar, and Chieriel S. Desamito. Mitigating soil acidity for agricultural sustainability in the humid tropics of Micronesia. The 10th International Symposium on Plant-Soil Interaction at Low pH soils. Held in ***Putrajaya, Malaysia***, during June 25-29, 2018. **Invited Keynote Speaker**.

12. **Golabi, Mohammad H**., Sydonia Manibusan, Tim Righetti, and Clancy Iyekar. (2017). Relationship between hydro-pedological and sedimentation, following the re-vegetation of the badlands of the 'Talakhaya' Watershed in the Micronesian island of Rota. Submitted to the: 1st World Conference on Soil and Water Conservation under Global Change (CONSOWA-2017) for: Sustainable Life on Erath through Soil and Water Conservation. ***Lleida, Spain***. June 12 - 16, 2017. Presented as an **Invited Paper**.

13. **Golabi, Mohammad H**., and Clancy Iyekar. (2017). Evaluating the role of Soil and Water Conservation on 'Carbon Sequestration' for reducing the carbon dioxide (CO2) emission into the Atmosphere – a Case study from southern Guam. Submitted to the: 1st World Conference on Soil and Water Conservation under Global Change (CONSOWA-2017) for: Sustainable Life on Erath through Soil and Water Conservation. ***Lleida, Spain*** June 12 - 16, 2017. **Invited Paper.**

14. **Golabi, Mohammad H**., Azin Ghafarian (2017). Nowruz (Persian New Year) and Ghanat (Groundwater conduit), the two symbols of conveyance for peace and the admiration of the nature (soil and water). *Presented at:* The 38th annual CLASS Research Conference (March 10, 2017), UOG, ***Guam***.

15. **Golabi, Mohammad H**., and Clancy Iyekar, 2017. Evaluating the benefits of 'Biochar' on soil quality while determining its effect on 'Soil Carbon Sequestration – A pathway to Sustainability. Abstract Submitted to the: 72nd International Annual Conference of the Soil and Water Conservation Society. ***Madison, Wisconsi*n**, July 30th to August 2nd, 2017.
16. **Mohammad H. Golabi**, Role of Conservation practices on Carbon Capture and Storage for Reducing the Net Soil Carbon Emission into the Atmosphere, 2016. Clancy Iyekar, and Ferdinand Galsim. The 6th Low Carbon Earth Summit (LCES-2016), that was held in ***Qingdao, China*** during November 10-12, 2016. ***Invited speaker***

17. **Mohammad H. Golabi.** Stream flow monitoring for watershed studies following the 're-vegetation' efforts for reducing the sediment loading on the shorelines of Micronesian island of Rota, CNMI., 2016. *Presented at:* The 71st SWCS International Annual Conference- Managing Great River Landscapes, which was held in Galt House hotel in ***Louisville, Kentucky,*** July 24-27, 2016.

18. **Golabi, Mohammad H.,** Evaluating the effect of Soil Quality improvement for a Sustainable Agriculture while maintaining the integrity of the Environment, 2016. Ferdinand Galsim, and Clancy Iyekar. *Presented at:* The 23rd Pacific Science Congress, which was held in the Academia Sinica, ***Taipei, Taiwan*** (13-17 June 2016). **Invited speake*r***.

19. **Golabi, M. H.,** Evaluating the effect of Long-Term Conservation Practices on Soil Quality and Soil Carbon Dynamics as relates to 'Climate Change'. Presented at the College of Agricultural Science and Natural Resources **University of Sari in northern Iran** (May 26 to May28, 2015). ***Invited speaker***
20. **Golabi, M. H.**, "Converting Badlands to Good-lands"- A Watershed Management Technique for Reducing Sedimentation Load at the Talakhaya Watershed in Rota, CNMI. Presented at the College of Agricultural Science and Natural Resources **University of Sari in northern Iran** (May 26 to May28, 2015). **Invited speaker**

21. **Golabi, M.** H., Evaluating the effect of Long-Term Conservation Practices on Soil Quality and Soil Carbon Dynamics as relates to 'Climate Change'. Presented at the College of Agricultural Sciences of the **University of Shiraz, Iran** (June 2015). **Invited speaker**

22. **Golabi, M. H**., Evaluating the effect of Long-Term Conservation Practices on Soil Quality and Soil Carbon Dynamics as relates to 'Climate Change'. Presented at the College of Agricultural Environmental Science of the **Technological University of Isfahan, Iran** (June 2015). **Invited speaker**

23. **Golabi, M. H**., Evaluating the effect of Long-Term Conservation Practices on Soil Quality and Soil Carbon Dynamics as relates to 'Climate Change'. Presented at the College of Agricultural Sciences of the ***University of Tehran, Iran*** (June 2015). **Invited speaker**

24. **Golabi M.H**., 'Evaluating the role of Conservation Practices on reducing the Net Carbon loss from the Soil in order to lower the CO2 concentration in the Atmosphere'. *Presented at:* The International Youth Forum on Soil and Water Conservation (IYFSWC) that was held at Nanchang Institute of Technology, ***Nanchang, Chin*a** (16-18 October 2015). **Invited plenary speaker**

25. **Golabi, M.H**., Sydonia Manibusan. 'Using Hydrologic parameters for Sedimentation, following 're-Vegetation' efforts at the Talakhaya Watershed in the Micronesian island of Rota, CNMI'. *Presented at:* The International Youth Forum on Soil and Water Conservation (IYFSWC) that was held at Nanchang Institute of Technology, ***Nanchang, China*** (16-18 October, 2015).

OTHER PUBLICATION/SCHOLARLY ACTIVITIES

Proceeding Preface:

1. **Golabi, M. H.** 2017. As the ***guest editor***, I was invited to write a ***Preface*** to the *PROCEEDINGS of:* 'The 2017 International Conference on Agricultural and Biological Sciences (ABS 2016), that was held in Qingdao, China, June 26 -29, 2017. Published by The IOP science.

Research Grant Proposals Reviewed/Evaluated:

- "No-tillage intercropped Maize-Peanut to reduce water and soil loss from cropland in Northern Benin", Bouraima Abdel-kabirou (2016). University of d'Abomey-Calavi, Benin Parakou, CARDER/BORGOUU BP 49, Parakou, Benin. *Submitted to the:* IFS (International Foundation for Science). Estimated budget requested: $11,964. ***Made recommendation to fund this proposal***.

Proposals/Policy documents Reviewed:

- **USDA-NRCS Nutrient Management (590) National Conservation Practice Standard (CPS).** A policy document for implementation. *Reviewed and Report was submitted to the:* USDA-NRCS in Honolulu, Hawaii, Review period: ***June 16, 2017***. This review was followed by a meeting with the Associate Director of NRCS at the USDA office in Honolulu where the policy proposal was further discussed.

JOURNAL ARTICLE REVIEWS AND EDITORIAL ACTIVITIES

Papers Reviewed and or Edited for the International Journals:

Thirty-three (33) journal articles were reviewed and/or managed as the ***Associate Editor*** for number of different journals between the period of 2015 to 2020.

COMMUNITY AND UNIVERSITY SERVICES:

Extension/Outreach projects/activities:

- ***Topographical watershed Model:*** A constructed model is being used for educational purposes and for demonstrating the impact of Soil Erosion and Sedimentation on the shores of southern Guam. We continue to use this model as an educational tool for bringing awareness to the public as well as local school children and for teaching them about the natural resources protection and stewardship. Demonstrations are scheduled especially for UOG Charter day events. ***On-going project at CNAS demonstration site. Guam***

- ***Backyard composting of organic waste:*** An educational project for demonstrations and Educational purposes was conducted. ***On-going project in Yigo Station, Guam (USA)***

- Provided ***Science Lectures*** numerous times to the student of 4 - H program supervised by the Extension division of the College of Natural and Applied Sciences, UOG.

Featured in the 'Local TV':

- **Golabi Mohammad H**. 2017. '***composting for homeowners'*** *In the:* "Here is your Home" program. *Featured in the:* ***ABS Sorensen Media Corp***. January 2017. This program was presented at the local TV numerous times

Served as Guest lecturer:

- Provided numerous lectures to UOG classes and a local college, invited by instructors who would like their students to learn about environment and natural resources.

Services to local schools:

1. *Student Mentoring:*
   - Continued mentoring number of students from high schools as well as middle schools with their science projects in our labs as well as in the field.
2. *Science Fair Judge:*
   - Served as a judge in number of science fair events at local middle and high schools (attached *please example certificate*).

UNIVERSITY SERVICES:

1. **P&T** (Promotion and Tenure) **Committee: Member**
   Currently serving as a member of the UOG - P&T committee

2. **Academic Committees/Programs:**
   - Served as a ***Chair*** of the Sustainable Agriculture, Food, and Natural Resources (SAFNR) Master's degree graduate program.
   - Served as the ***Vice Chair*** for the SAFNR graduate degree program.
   - Currently serving as the member of the SAFNR graduate program.
   - Served as a **Chair** of the Environmental Science (EVs) graduate degree program for two terms (2 years each term).

3. **Graduate Advisory Committees:**
   - Served and continue serving as a **Chair** of the Advisory Committees of graduate students.

- Served and continue serving as a ***member*** to graduate student's advisory committees. (Please see the aforementioned items under 'instruction section').

3. **Faculty Senate membership:**
   - Served as the member of the Faculty Senate
   - Served as the **Chair** of the Senate Committee on Faculty Excellence.
   - Currently surviving as the member to the Promotion and Tenure (P&T) Committee.

5. **Search Committees:**
   - Served in number of search committees within the College of Natural and Applied Sciences (CNAS) in particular, and the University of Guam in general.

6. **Undergraduate Advisory Committees:**
   - Served and continue serving as an advisor/mentor to undergraduate students who are seeking a bachelor degree in Agricultural Sciences (Thesis track).

7. Services to the International Organizations:
   - Serving as ***Associate Editor*** to the journal of 'International Soil and Water Conservation Research' (ISWCR).
   - Served and continue serving as a regional vice president and the ***editorial board member*** for the World Association of Soil and Water Conservation (WASWAC).
   - Serving as ***guest Editor*** for editing the *PROCEEDINGS* of '*The 2017 International Conference on Agricultural and Biological Sciences (ABS 2017)*, that was held in Qingdao, China (June 26 – 29, 2017), and published by The IOP science.

INSTRUCTIONAL ACTIVITIES

Courses Taught and/or Being Taught:

1. Principles of Soil Sciences (AL 380) (introductory course)
2. Principles of Soil Sciences Laboratory (AL 380L)
3. Environmental Soil Science (AL 481/G) (graduate level course)
4. Environmental Soil Science Laboratory (AL 481/G -L) (graduate level course)
5. Tropical Soil Fertility and Management (AL 480)
6. Waste Management (EV/AL 653) (graduate level course)
7. Plant Nutrition (AL 581) (graduate level course)
8. Teaching/Research Assistantship (AL 692) (graduate level course)

PROFESSIONAL MEMBERSHIPS

1. American Society of Agronomy (ASA)
2. Soil Science Society of America (SSSA)
3. Crop Science Society of America (CSSA)
4. Tau chapter of the Phi Beta Delta, the honor society for international scholars
5. World Association of Soil & Water Conservation (WASWC), Editorial member
6. Isfahan Journal of Environment, Editorial board member
7. Vetiverim – The Pacific Rim Vetiver Network (Country Representative, representing

Guam)