

Clement A. Alo

Associate Professor
Montclair State University
Department of Earth and Environmental Studies
1 Normal Avenue, CEL 402
Montclair, NJ 07043

Phone: (973) 655-7579
Fax: (973) 655-4072
E-mail: aloc@mail.montclair.edu
Web: www.montclair.edu/~aloc

Education

- Ph.D. University of Connecticut, Civil and Environmental Engineering 2009
(concentration in hydroclimatology and land-atmosphere interactions)
Dissertation: Potential biosphere response to climate change and its impact on hydrology and regional climate prediction over western Africa
Supervisor: Dr. Guiling Wang
- Masters in GIS Clark University, Graduate School of Geography 2004
Thesis: Detecting the influence of protection on landscape transformation in Southwestern Ghana using GIS and Remote Sensing
Supervisor: Dr. Robert Gilmore Pontius
- B.S. (Honors) Kwame Nkrumah University of Science and Technology (Ghana) 1992
Geomatic Engineering
Thesis: Remote sensing- A tool for monitoring dynamic environmental changes
Supervisor: Dr. Benjamin E. K. Prah

Specialties/ Research Interests

Regional Climate and Ecosystem Modeling
Coupled Surface Water-Groundwater Modeling
Land-Atmosphere Interactions
Surface Hydrology
Hydroclimatology
Ecohydrological Impacts of Climate Variability and Change

Current Employment

- Associate Professor 2016–
Department of Earth and Environmental Studies
Montclair State University
- Assistant Professor 2011–2016
Department of Earth and Environmental Studies
Montclair State University

Previous Positions

- Assistant Research Scientist 2010–2011
Department of Earth and Planetary Sciences
Johns Hopkins University

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Supervisor: Dr. Ben Zaitchik

Postdoctoral Fellow in Hydrometeorology (with full teaching responsibility) Department of Civil and Environmental Engineering University of Connecticut Supervisor: Dr. Emmanouil N. Anagnostou	2009–2010
Surveyor and Site Manager Shea Gold (Ghana) Ltd - a subsidiary of Dominion Mining, Australia	1999–2002
Senior Surveyor Nevsun Resources (Ghana) Ltd - a subsidiary of Nevsun Resources Ltd. of Canada	1997–1999
Project Surveyor AngloGold Ashanti Ltd, Ghana	1994–1997
Site Engineer JAL Construction Ltd, Ghana (1st Class Construction Company)	1993–1994

Awards and Fellowships

Montclair State University Passaic River Institute Fellowship	2014
University of Connecticut Doctoral Dissertation Fellowship	2008
Department of Civil and Environmental Engineering University of Connecticut, Predoctoral Fellowship	2008
Borlaug Leadership Enhancement in Agriculture Program (LEAP) Fellowship Proposed project: Assessing the impacts of climate change and variability on food security in West Africa (fellowship was declined for other opportunities)	2006
University of Connecticut Summer Fellowship	2005

Courses Taught at Montclair State University (and other institutions)

Planet Earth

Introductory undergraduate level course focusing on processes and interactions of the components of the earth system.

Earth Systems Science

Graduate course that provides a descriptive and quantitative introduction to processes and interactions within and between earth's atmosphere, hydrosphere, biosphere, and lithosphere.

Hydroclimatology

Graduate/upper level undergraduate course that focuses on the relations and interactions between climate and the hydrologic cycle, and how the

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climate system causes spatial and temporal variations in the hydrologic cycle.

Climatology

Upper level undergraduate course that focuses on Earth's climate system with an emphasis on understanding the physical processes and dynamics of the atmosphere, climate variations across space, and climatic change and variability through time.

Hydrology

Undergraduate level course that introduces students to fundamental hydrologic processes operating in the atmosphere, surface water and groundwater systems, including how humans interact with these systems.

Engineering Hydrology (University of Connecticut)

2008–2009

Undergraduate level course aimed at understanding and quantifying main processes of the hydrologic cycle and the application of hydrologic knowledge to design aspects relating to the use and control of water resources.

Hydraulic Engineering (University of Connecticut)

2009–2010

Upper level undergraduate course that deals with the application of fluid mechanics principles to the solution of practical Civil Engineering problems of water conveyance in pipes, pipe networks, open channels, and groundwater flow in porous media, and the design of hydraulic structures.

Hydrometeorology (University of Connecticut)

2009

Graduate course on land-atmosphere interactions.

Academic Supervision

Visiting Research Scholar

Yonas Girma, 2014

Montclair State University Students

Felix Oteng, Ph.D. Environmental Management, in progress (Major Advisor)

Michael Ayers, Ph.D. Environmental Management, in progress (Major Advisor)

Xu Du, Ph.D. Environmental Management, in progress (Dissertation Committee Member)

Archana Prasad, M.S. Sustainability Science, in progress (Graduate Research Assistant in my group)

Sean Rittinger, M.S. Geoscience, 2016 (Graduate Research Assistant in my group)

Melissa Hansen, Ph.D. Environmental Management, 2016 (Dissertation Committee Member)

Munni Salik, B.S. Biology, 2015 (Undergraduate Research Assistant in my group)

Felix Oteng, M.S. Geoscience, graduated January 2015 (Major Advisor)

Faith Justus, Ph.D. Environmental Management, 2015 (Dissertation Committee Member)

Matthew Del Ciello, M.S. Geoscience, 2015 (Thesis Committee Member)

Catherine Konieczny, M.S. Geoscience, May 2014 (Thesis Committee Member)

Elen Teo, M.S. Sustainability Science, 2014 (Thesis Committee Member)

Jared Lopes, M.S. Geoscience, 2013 (Thesis Committee Member)

High School Students

Allison Guajala, Union City High School, Summer 2015

Kiara Martinez, Union City High School, Summer 2016

Professional Service and Development

Associate Editor, International Journal of Environmental Science and Technology, 2013-2016

Grant Proposal Review:

National Aeronautics and Space Administration (NASA) Science Utilization of the Soil Moisture Active-Passive Mission (SUSMAP) Modeling Review Panel, 2016

Manuscript Reviews for Journals:

Agriculture, Ecosystems and Environment

Climate Dynamics

Climate Research

Ghana Journal of Geography

Hydrological Processes

International Journal of Climatology

International Journal of Environmental Science and Technology

International Journal of Geographical Information Science

Journal of Climate

Journal of Geophysical Research – Atmospheres

Journal of Geophysical Research – Biogeosciences

Journal of Hydrology

Journal of Hydrometeorology

Middle States Geographer

Theoretical and Applied Climatology

Service to Montclair State University (MSU):

Member, PSEG Institute for Sustainability Studies Advisory Board, ongoing

Member, University Senate, ongoing

Alternate Member, University Academic Computing Committee (2013-2015)

Service to MSU's Department of Earth and Environmental Studies (EAES):

EAES Sustainability Science Undergraduate Program Advisor, ongoing

Member, Search Committee, Paleoclimatology/Geochemistry Faculty Position, ongoing

Member, EAES Curriculum Development Committee, ongoing

Member, Undergraduate Research committee, ongoing

EAES Advisor, Louis Stokes Alliance for Minority Participation (LSAMP), ongoing

Member, Search Committee, Sustainability Science Faculty Position, EAES, 2016-2017

Member, Search Committee, Sustainability Science Faculty Position, EAES, 2015-2016

Member, Search Committee, Coastal Physical Oceanographer Faculty Position, EAES, 2013-2014

EAES Representative, College of Science and Mathematics Research Committee, 2013-2014, 2016

Member, EAES Student Awards Committee, 2013-2014

Member, Search Committee, Geodynamics Faculty Position, EAES, 2011-2012

International Workshops Participation:

- Workshop on climate change impacts on water resources and sustainable rural livelihoods in the White Volta Basin, Bolgatanga, Ghana, June 27, 2015
- Workshop on Climate Resilience in the Upper Blue Nile / Abay Highlands, Bahir Dar, Ethiopia, 9–10 July 2011
- Third ICTP Workshop on the Theory and Use of Regional Climate Models, Trieste, Italy, May 29–June 9, 2006

Grant Proposals

- National Science Foundation**, Co-PI, with Drs. Tanya Blacic (PI), Duke Ophori, Sarah Yarnell at UC Davis Center for Watershed Sciences, and Mitchel Craig at California State University East Bay, “Collaborative Proposal: Effects of changes in climate regime on hydrogeomorphic processes in montane meadows” (MSU: \$274,883), 2017-2020, pending 2017
- MSU-PSEG Institute for Sustainability Studies**, PI, “Advancing predictive understanding of hydrologic variability for sustainable Management of water resource in the Passaic River Basin, New Jersey” New Jersey” (\$15,000), 2017-2018 2017
- Department of Defense**, Collaborator, with Drs. Mark Chopping (PI), Stefan Robila, Stefanie Brachfeld, Gregory Pope, Joshua Galster, Jorge Trueba-Lorenzo, Tanya Blacic, Danlin Yu, Dirk Vanderklein, Meiyin Wu, Robert Taylor, Peter Siegel, and William Thomas “A Small Unmanned Aerial Vehicle Facility for STEM Education and Research at Montclair State University (sUAVSTER)” (MSU: \$495,714), 2017-2018, pending 2016
- New Jersey Water Resources Research Institute Grants Program**, PI, “A pilot project: Advancing predictive understanding of impacts of climate variability and change on water supply availability in the Passaic River Basin, New Jersey” (\$20,000), 2017-2018, unfunded 2016
- MSU-PSEG Institute for Sustainability Studies**, PI, with Dr. Aparna Varde, “A Faculty Research Planning Grant: Development and web-based dissemination of high-resolution distributed hydrological information for promoting sustainable water management” (\$6,000), 2016 2016
- New Jersey Water Resources Research Institute Grants Program**, PI, “Pilot project on assessing the impacts of climate variability and change on water supply availability in the Passaic River Basin, New Jersey” (\$20,000), 2016-2017, unfunded 2015
- NSF Research Traineeship (NRT) – 2015**, Co-PI, with Drs. Stefanie Brachfeld (PI), Tanya Blacic, Jorge Lorenzo-Trueba, Meiyin Wu, Mark Chopping, Pankaj Lal, Andrada Ivanescu, Stefan Robila, and Eden Kyse, “Meeting the challenges of environmental change: Global to local scales” (\$3,000,000), 2016-2020, unfunded 2015
- MSU Separately Budgeted Research Award**, PI, “Toward a suitable model to assess the hydrological dimension of climate variability and change in the Passaic River Basin” (\$5,000), 2015-2016, unfunded 2015
- New Jersey Water Resources Research Institute Grants Program**, PI, “Assessment of the impacts of climate variability and change on water supply availability in the Passaic River Basin, New Jersey” (\$19,999), 2015-2016, unfunded 2015

US Agency for International Development Norman E. Borlaug Leadership Enhancement in Agriculture Program (LEAP) , PI, with International Research Scholar Yonas Girma, “Impact of Climate and Land Use/Cover Changes on the Hydrology of Lake Hawassa Watershed (Central Ethiopian Rift): Towards Sustainable Water Resources Management” (\$19,998), 2014-2015	2014
MSU- Summer Grant Proposal Development , PI, “Understanding and simulating the influence of land use/land cover changes and vegetation dynamics on climate variability and climate change in the Northeast United States” (\$4,000), 2014-2015	2014
NASA Research Opportunities in Space and Earth Sciences (ROSES) - 2013 Interdisciplinary Research in Earth Science Program , PI, “Groundwater resources development for sustainable irrigation: integrating remote sensing and hydroclimate modeling for assessment of impacts of climate change/variability and population pressure on groundwater budgets in the White Volta Basin, Ghana” (\$896,092), 2013-2016, unfunded	2013
NOAA Environmental Literacy Grants for Building Capacity of Informal and Formal Educators – 2013 , Faculty Consultant, with Drs. Meiyin Wu (PI), Jaclyn Willis, Joshua Galster, Sandra Passchier, Stefanie Brachfeld, Paul Bologna and Mr. Bryan Murdock at MSU, Liberty Science Center, New Jersey Sea Grant Consortium, and NOAA Fisheries Service, “Changing times: Preparing educators to explore the patterns and consequences of global environmental change” (MSU: \$685,139), 2014-2017, unfunded	2013
New Jersey Department of Environmental Protection – 2013 , Co-I, with Drs. Qizhong Guo (PI) and Robert Miskewitz at Rutgers University, Meiyin Wu (MSU Lead), Robert Prezant, and Josh Galster at MSU, “Strategies for flood risk reduction for vulnerable coastal populations along Hackensack River at Moonachie and Little Ferry and along Hudson River at Hoboken and Jersey City” (MSU: \$67,672), 2013-2014	2013
MSU Separately Budgeted Research Award , PI, “Exploring the impact of land use/land cover changes on variations in the four-state (PA-NJ-NY-CT) Highlands climate” (\$4,000), 2013-2014	2013
MSU-Global Education Center Grant , PI, “Advancing collaborative research on water resources in the White Volta Basin, Ghana” (\$3,000), 2013	2013
NASA Research Opportunities in Space and Earth Sciences (ROSES) - 2012 Modeling, Analysis, and Prediction (MAP) Program , PI, “Role of land cover and land use changes in decadal to multidecadal regional climate predictions: A case study of the four-state (CT-NY-NJ-PA) Highlands region and surrounding areas” (\$452,961), 2013-2015, unfunded	2012
MSU-PSEG Institute for Sustainability Studies , PI, “Integration of surface and sub-surface water flows in assessing climate change impacts on water resources and sustainable rural livelihoods – The Volta Basin, Ghana” (\$60,000), 2013-2014	2012
Margaret and Herman Sokol Faculty/Student Research Program , PI, “Hydrological modeling over the Volta Basin, West Africa: Model calibration and verification” (\$2000), 2012	2012

- MSU-Global Education Center Grant**, PI, “Collaborative Research: Groundwater sustainability in arid/semi-arid regions - A case study of the Volta Basin, Ghana” (\$2200), 2012 2012
- MSU- Summer Grant Proposal Development**, PI, “Groundwater sustainability in arid/semi-arid regions: A case study on the impacts of climate variability and change on groundwater budgets in the Volta Basin, West Africa” (\$4,000), 2012-2013 2012
- The Petroleum Research Fund New Directions Program**, Co-PI, with Sandra Passchier (PI) at MSU, “Calibration of continental weathering indices in marine sediments for paleoclimatological reconstructions of continental margin barren successions” (\$100,000), 2013-2015, unfunded 2012

Professional Memberships

- American Geophysical Union (AGU)
American Association of Geographers (AAG)

Peer-Reviewed Journal Articles (* indicates student author)

- *Oteng F. M, **C. A. Alo**, M. M. Bitew, and S. M. Yidana (2017), Hydrological analysis of the Nasia catchment in the White Volta Basin: an integrated modeling approach, in preparation
- Alo, C. A.**, * F. M. Oteng, S. M. Yidana, M. M. Bitew, and D. Ophori (2017), Projected mid-twenty-first century hydrological changes in the Nasia catchment of the White Volta basin, West Africa, in preparation
- Alo, C. A.**, and E. N. Anagnostou (2016), A sensitivity study of the impact of dynamic vegetation on simulated future climate change over Southern Europe and the Mediterranean, *International Journal of Climatology*, online first. DOI: 10.1002/joc.4833
- Yidana, S. M., **C. A. Alo**, M. O. Addai, O. F. Fynn, and S. K. Essel (2015), Numerical analysis of groundwater flow and potential in parts of a crystalline aquifer system in Northern Ghana, *International Journal of Environmental Science and Technology*, Online First, doi: 10.1007/s13762-015-0805-2
- Yidana, S. M., D. Ophori, and **C. A. Alo** (2014), Hydrogeological characterization of a tropical crystalline aquifer system, *Journal of Applied Water Engineering and Research*, Vol.1, No. 1, 13-24. doi: 10.1080/23249676.2014.898572
- *Oteng F. M, **C. A. Alo**, and S. M. Yidana (2014), Evaluation of groundwater recharge estimates in a partially metamorphosed sedimentary basin in a tropical environment: application of natural tracers, *The Scientific World Journal*, Vol. 2014, Article ID 419508, 8 pages. doi: 10.1155/2014/419508
- Justino, F., F. Stordal, **C. A. Alo**, E. Coppola, A. Setzer, E. Chaves, P. Rodrigues, F. Kucharski, and D. Brumatti (2013), Modeling weather and climate related fire risk in Africa, *American Journal of Climate Change*, Vol. 2, No. 4, 209-224. doi: 10.4236/ajcc.2013.24022
- Wang G., and **C. A. Alo** (2012), Changes in precipitation seasonality in West Africa predicted by RegCM3 and the impact of dynamic vegetation feedback, *International Journal of Geophysics*, Vol. 2012, Article ID 597205, 10 pages. doi:10.1155/2012/597205
- Wang G., **C. A. Alo**, R. Mei, and S. Sun (2011), Drought, hydraulic redistribution, and plant competition in tropical forests, *Plant Ecology*, 212, 663-673, DOI: 10.1007/s11258-010-9860-4

- Alo, C. A.**, and G. Wang (2010), Role of vegetation dynamics in regional climate predictions over western Africa, *Climate Dynamics*, 35(5), 907-922, DOI: 10.1007/s00382-010-0744-z
- Heald, C. L., M. J. Wilkinson, R. K. Monson, **C. A. Alo**, G. Wang, and A. Guenther (2009), Response of isoprene emission to ambient CO₂ changes and implications for global budgets, *Global Change Biology*, 15, 4, 1127-1140
- Alo, C. A.**, and G. Wang (2008), Hydrological impact of the potential future vegetation response to climate changes projected by 8 GCMs, *Journal of Geophysical Research – Biogeosciences*, 113, G03011, doi:10.1029/2007JG000598
- Alo, C. A.**, and R. G. Pontius Jr. (2008), Identifying systematic land-cover transitions using remote sensing and GIS: the fate of forests inside and outside protected areas of Southwestern Ghana, *Environment and Planning B: Planning and Design*, 35(2), 280 – 295
- Alo, C. A.**, and G. Wang (2008), Potential future changes of the terrestrial ecosystem based on climate projections by eight general circulation models, *Journal of Geophysical Research – Biogeosciences*, 113, G01004, doi:10.1029/2007JG000528

Paper Published as Conference Proceedings

- Alo, C. A.**, and R. G. Pontius Jr. (2004), Detecting the influence of protection on landscape transformation in southwestern Ghana. Conference proceedings of the joint meeting of The Fifteenth Annual Conference of The International Environmetrics Society and The Sixth Annual Symposium on Spatial Accuracy Assessment in Natural Resources and Environmental Sciences. Portland ME. 17p.

Technical Report

- Guo, Q, R. Miskewitz, M. Wu, J. Galster, **C. Alo**, R. Prezant, M. Raavi, J. Beury, T. Macdonald, and J. Nickels (2004), Strategies for Flood Risk Reduction for Vulnerable Coastal Populations along Hackensack River at Little Ferry and Moonachie, NJ. Submitted to New Jersey Governor's Office of Rebuilding and Recovery and New Jersey Department of Environmental Protection, August 2014. 54p.

Conference Presentations (* indicates student author)

- Alo C. A.**, and *F. M. Oteng (2017), A pilot study on understanding hydrologic variability for sustainable management of water resource in the Passaic River Basin, New Jersey, AAG, Annual Meeting, Boston, MA, April 2017
- *Oteng, F. M., and **C. A. Alo**, The evolving hydrology of the Upper Passaic River Basin: Understanding past variability and potential future changes, Montclair State University Passaic River Symposium VII, October 2016
- *Salik, M., *F. M. Oteng, and **C. A. Alo** (2015), Projected mid-twenty-first century climate changes in the White Volta Basin, West Africa (2015), 2015 Montclair State University Student Research Symposium, Montclair, NJ, April 26, 2015
- Alo C. A.**, *F. M. Oteng, M. M. Bitew, K. F. Ahmed, and G. Wang (2014), Potential impacts of projected mid-twenty-first century climate change on the hydrology of the Nasia catchment, West Africa, AGU, Fall Meeting, Abstract GC11D-0585, San Francisco, CA, December 2014
- *Oteng, F. M., **C. A. Alo**, and S. M. Yidana (2014), Groundwater response to precipitation variations and increased abstraction rates in the Nasia sub-catchment, Ghana, AGU, Fall Meeting, Abstract H41G-0912, San Francisco, CA, December 2014

- Alo, C. A.** (2014), CMIP5 mid-twenty-first century climate projections over the northeast United States and implications for hydrology of the Passaic River Basin, Montclair State University Passaic River Symposium VI, October 2014
- ***Oteng, F. M., and C. A. Alo** (2014), Integrated groundwater and surface water modeling over the White Volta Basin (2014), 2014 Montclair State University Student Research Symposium, Montclair, NJ, April 12, 2014
- ***Oteng, F. M., C. A. Alo, M. M. Bitew, and S. M. Yidana** (2013), Application of the MIKE SHE hydrological model in exploring sustainable development of water resources for agricultural activities in the White Volta Basin, Ghana, AGU, Fall Meeting, Abstract H43D-1484, San Francisco, CA, December 2013
- Fynn, O. F., S. M. Yidana, C. A. Alo, and F. M. Oteng*** (2013), A comparative analysis of groundwater recharge estimates from three major methods: An analysis of subsurface recharge in the Nabogo sub-catchment of the White Volta Basin, Northern Ghana, AGU, Fall Meeting, Abstract H13F-1397, San Francisco, CA, December 2013
- ***Oteng, F. M., C. A. Alo, and S. M. Yidana** (2013), Stable isotope evidence of meteoric groundwater recharge in parts of the White Volta basin, Ghana (2013), 2013 Montclair State University Student Research Symposium, Montclair, NJ, April 20, 2013
- ***Rittinger, S. T., C. A. Alo, M. M. Bitew, S. M. Yidana, and B. Alfa,** (2012), Coupled surface water and groundwater modeling over the White Volta Basin, Ghana, AGU, Fall Meeting, Abstract H11D-1233, San Francisco, CA, December 2012
- ***Oteng, F. M., S. M. Yidana, and C. A. Alo** (2012), Assessing the groundwater fortunes of aquifers in the White Volta Basin, Ghana: An application of numerical groundwater flow modeling and isotopic studies, AGU, Fall Meeting, Abstract H43D-1368, San Francisco, CA, December 2012
- Anderson, W. B., C. Hain, B. F. Zaitchik; M. C. Anderson, C. A. Alo, and M. T. Yilmaz** (2011), Towards an integrated soil moisture drought monitor for East Africa, AGU, Fall Meeting, Abstract GC13A-0948, San Francisco, CA, December 2011
- Smith, T. T., B. F. Zaitchik, M. C. Anderson, M. T. Yilmaz, C. A. Alo, and M. Rodell** (2011), Remotely Sensed Terrestrial Water Balance of the Nile Basin, AGU, Fall Meeting, Abstract H21F-1188, San Francisco, CA, December 2011
- Habib, S., B. Zaitchik, C. A. Alo, M. Ozdogan, M. Anderson, and F. Policelli** (2011), An integrated hydrological and water management study of the entire Nile river system - Lake Victoria to Nile Delta, International Geoscience and Remote Sensing Symposium (IGARSS), Vancouver, Canada, July 2011
- Alo, C. A., B. F. Zaitchik, S. Habib, M. Anderson, and M. Ozdogan** (2010), Drought in the Nile Basin: characterizing variability, quantifying uncertainty, and studying processes with the Nile Land Data Assimilation System, AGU, Fall Meeting, Abstract H21F-1188, San Francisco, CA, December 2010
- Adjei, W. O., R. G. Pontius Jr., and C. A. Alo** (2010), Testing the sensitivity of land change results to category aggregation in Southwestern Ghana, AAG Annual Meeting, Washington, DC, April 2010
- Alo, C. A., E. N. Anagnostou, and G. Wang** (2009), Regional assessment of the impact of vegetation feedback on climate prediction in West Africa and the Mediterranean, AGU Fall Meeting, Abstract A31H-05, San Francisco, CA, December 2009
- Alo, C. A., and E. N. Anagnostou** (2009), Incorporating vegetation dynamics in regional climate change projections over the Mediterranean region, 11th Plinius Conference on Mediterranean Storms. Barcelona, Spain, September 2009

- Alo, C. A.**, and G. Wang (2008), Vegetation changes in response to projected CO₂ and climate changes and feedback on surface hydrology, AAG Annual Meeting, Boston, MA, April, 2008
- Alo, C. A.**, and G. Wang (2007), On the hydrological impact of future climate-induced vegetation changes, Eos Trans. AGU, 88(52), Fall Meet. Suppl., Abstract B22B-02, San Francisco, CA, December 2007
- Alo, C. A.**, and G. Wang (2006), An intercomparison of simulated vegetation responses to climate change scenarios derived from eight GCMs participating in IPCC-AR4, Eos Trans. AGU, 87(52), Fall Meet. Suppl., Abstract GC51A-0433, San Francisco, CA, December 2006

Invited Seminars and Talks

- Alo, C. A.** (2015), Projected impacts of climate variability and change on groundwater and surface water in the Nasia sub-catchment of the White Volta Basin, Workshop on climate change impacts on water resources and sustainable rural livelihoods in the White Volta Basin, Bolgatanga, Ghana, June 27, 2015
- Alo, C. A.** (2015), Air Pollution, The Charles H. Bullock School, Montclair, Bullock School (K-5) Air Assembly, March 26, 2015
- Alo, C. A.** (2015), Hydroclimate Modeling: A tool vital for meeting water resources challenges, Addis Ababa University, Ethiopian Institute of Water Resources, March 10, 2015
- Alo, C. A.** (2012), Environmental Modeling, Montclair State University, CSAM REU program, July 9, 2012
- Alo, C. A.** (2011), Regional prediction using Earth System Models: A Crucial step on the path to sustainability, Montclair State University, February 21, 2011
- Alo, C. A.** (2010), Role of dynamic vegetation in regional climate and hydrologic predictions, Johns Hopkins University, March 10, 2010
- Alo, C. A.** (2008), How does vegetation respond to future climate changes and what's the impact of vegetation feedback on thermal and hydrological processes of the land surface? University of Connecticut, April 29, 2008
- Alo, C. A.** (2007), Ecohydrological impacts of climate change based on the latest IPCC Climate model predictions, University of Connecticut, December 7, 2007