David F. Porinchu
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EDUCATION

Ph.D. 2002. Geography, with distinction, University of California, Los Angeles.
Dissertation: *A Paleolimnological Investigation of Recent and Late Glacial-Early Holocene Changes in Climate in the Sierra Nevada, California USA.*

M.Sc. 1997. Biology, University of New Brunswick, Fredericton, New Brunswick.
Thesis: *A Chironomid-Inferred Late-Quaternary Climate Reconstruction of the Lower Lena River Region, Siberia.*

B.Sc. 1995. Geography and Environmental Science (minor: Ecology), *Summa Cum Laude*, McMaster University, Hamilton, Ontario.
Thesis: *Recycling and Landfill Reclamation.*

APPOINTMENTS

2020 – Professor, Geography, University of Georgia

2011 – 2020 Associate Professor, Geography, University of Georgia

2010 – 2011 Associate Professor, Geography, The Ohio State University

2004 – 2010 Assistant Professor, Geography, The Ohio State University

2004 Visiting Assistant Professor, Earth Sciences, University of Waterloo

2003 – 2004 Assistant Professor, Geography, California State University, Long Beach

2002 – 2003 Post-Doctoral Appointment, Geography, University of California, Los Angeles

AWARDS AND HONORS

2025 Sandy Beaver Excellence in Teaching Award, Franklin College, UGA

2020 Ellen Mosley Thompson Award - Best publication, Paleoenvironmental Change Specialty Group, American Association of Geographers (lead by Dr. Jiaying Wu)

2018 Global Collaborative Research Grant, University of Georgia

2018 Core Fulbright U.S. Fulbright-Nehru Fellowship

2014 Provost Summer Research Award, University of Georgia

2013 SEC Visiting Faculty Travel Grant, University of Georgia

RESEARCH GRANTS AND CONTRACTS

Submitted

National Science Foundation: MRI Track 2: Acquisition of a MIni CArbon Dating System (MICADAS) Configured for Ultra Small Samples. C. Hadden (PI) with E. Zazovskaya, V. Thompson, D.F. Porinchu, G. Prasad (co-PIs)

Western National Park Association (WPNA): Mapping and Monitoring Glacier and Lake Volumetric Storage Changes: Integrating Remote Sensing with Field-based Observations. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark, J. DeGrand (co-PIs)

Awarded

2023-2024 Western National Park Association (WPNA): Decoding hydroclimate changes amidst rocks & trees of GBNP: integrating an embedded sensor network with a multi-century tree ring-based climate time series. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark, J. DeGrand (co-PIs)

2020-2023 National Science Foundation (NSF-2026311): Unraveling long-term and abrupt changes in the Indian Summer Monsoon during the Holocene in the Himalaya of northern India. D.F. Porinchu (PI) with Alex Cherkinsky (Co-PI) and Bahadur Kotlia (Co-I)

2020-2022 Great Basin Heritage Area Partnership: Climate Variability, Change, Fire, Forests. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark, J. DeGrand (co-PIs)

2020-2022 Western National Park Association (WPNA): Examining fire regime variability along an elevation gradient in Great Basin National Park during the last two millennia. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark, J. DeGrand (co-PIs)

2016-2018 National Science Foundation: Doctoral Dissertation Research: Climate and Environmental Change in the Colorado Rocky Mountains During the Late Quaternary: An Analogue for a Warm Future. D.F. Porinchu (PI) with D. Haskett (co-PI)

2016-2018 Department of the Interior: Benthic Invertebrate Response to Climate and Environmental Change in the Colorado Rocky Mountains during the Recent Past and the Holocene. D.F. Porinchu (PI)

2016-2017 Western National Park Association (WPNA): Meadow and lake-sediment based reconstructions of Holocene fire histories for sub-alpine and montane ecosystems in Great Basin National Park. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark (co-PIs)

2012-2013 Department of the Interior: Paleoenvironmental Reconstruction of late Quaternary Conditions at Zeigler Reservoir, Snowmass Village, Colorado. D.F. Porinchu (PI)

2011-2013 Denver Museum of Nature and Science: Climate change and Pleistocene Megafauna Dynamics: A Case Study - Snowmass, CO. D.F. Porinchu (PI)

2011-2013 National Science Foundation: Doctoral Dissertation Research: Holocene Climate and Environmental Change in the Great Basin of the Western United States: A Paleolimnological Approach. D.F. Porinchu (PI) with S. Reinemann (co-PI)

2010-2012 Western National Park Association (WPNA): Recent and Historical Influence of Anthropogenic Activities in Great Basin National Park: Evidence from Lake Sediment and Water Geochemistry. D.F. Porinchu (co-PI) with J. Box and B. Mark (co-PI)

2009-2011 Climate, Water and Carbon Program, The Ohio State University: Assessing mid-Holocene Aridity in the midwestern United States: A Field-based Approach Incorporating Regional Climate Model Output. D.F. Porinchu (PI)

2006-2007 Western National Park Association (WPNA): Contemporary Climate History and Climate Change Impacts in Great Basin National Park. D.F. Porinchu (co-PI) with J. Box (co-PI) and B. Mark (co-PI)

2005-2009 National Science Foundation (NSF 04-587-0455089): A Synthesis of the Last 2000 Years of Climatic Variability from Arctic Lakes. D.F. Porinchu (PI)

2005-2006 American Philosophical Society: Reconstructing Late-glacial Climates in Ohio: Testing Climate Model Output. D.F. Porinchu (PI)

2004-2008 National Science Foundation (NSF 02-191-0402664): High-Resolution Quantitative Reconstructions of Holocene Climatic Changes and their Impacts on Environment and People in the Central Canadian Arctic. D.F. Porinchu (PI) with G. MacDonald (co-PI) and K. Moser (co-PI)

2004-2008 National Science Foundation (NSF 02-191-0402504): High-Resolution Records of Holocene Climate Change, Drought Variability and Monsoon Behavior from the Uinta Mountains in Utah. D.F. Porinchu (PI)

2001-2002 National Science Foundation Doctoral Dissertation Improvement Grant (NSF 0135748): High-resolution Time Series of Eastern Sierra California Over the Late Quaternary. G.M. MacDonald (PI) and D.F. Porinchu (co-PI)

2000-2001 Geological Society of America Graduate Student Research Award: High Resolution Time Series of California Climate Over the Last 12,000 years: Testing the Influence of the North Atlantic and North Pacific. D.F. Porinchu (PI)

PEER-REVIEWED PUBLICATIONS (* denotes student co-author, ^ denotes post-doctoral co-author)

Under review

*Rimal, B., Cherkinsky, A., **Porinchu, D.F**., Singh, A. A comparative analysis of the efficacy of dating various lake sediment-sourced materials for radiocarbon chronology development. *Radiocarbon*.

Accepted

*Arraes, V., **Porinchu, D.F**., Grundstein, A., Mote, T., Nelson, D. On Northeast Brazil Orographic Enhanced Rainfall and Monsoon Dynamics. *International Journal of Climatology*. DOI: 10.1002/joc.8911

2025 Baig, J., Gavin, G., Walker, I., **Porinchu, D.F**., Bartlein, P. Chironomid-inferred post-glacial temperature from Gold Lake, Oregon, USA. *Quaternary Research*. DOI:10.1017/qua.2024.56

2024 Kotlia, B.S., Kholia, N., **Porinchu, D.F**, Sharma, A., Kumar, P., Basavaiah, N., Bisht, K. and Kukreti, M., 2024. Mid-late holocene climatic reconstruction using core sediments from Khajjiar lake, Himachal Pradesh, India. *Quaternary Science Advances*, 13, 100154.

Chand, P., Kotlia, B.S., **Porinchu, D.F**., Sharma, A., Kumar, P, Bisht, H. Kothyari, G., Kukreti. Reconstruction of Late Holocene palaeoenvironmental and palaeohydrological changes using multi-proxy analysis of the Sattal lake sediments, Kumaun Lesser Himalaya, India. *Quaternary Science Advances,* 15, 100226.

2023 Sarmiento, F.O., Leigh, D., **Porinchu, D.F**., Woosnam, K., Gandhi, K.J.K., King, E., Pistone, M., Kavoori, A., Calabria, J. and Reap, J. 4D Global Montology: Towards Convergent and Transdisciplinary Mountain Sciences across time and space. *Pirineros.* 178.

Kotlia, B.S, Kukretia, M., Bisht, H., Singh, A.K., Sharma, A., Kothyari, G.C., **Porinchu, D.F**., Chand, P., Kashyap, R. Palaeoenvironmental reconstruction through granulometric analysis of a palaeolake deposit at Bhikiyasain, Kumaun Lesser Himalaya. *Journal of Climate Change*.

Campbell, L., Lorimer, J., Mansfield, B., Osborne, T., **Porinchu, D.F**. Wright, S. Progress in environmental geography and progress in human geography: new siblings. *Progress in Human Geography*, 47(6), pp.753-754. (**Note: Editorial**).

2022 Campbell, L., Lorimer, J., Mansfield, B., Osborne, T., **Porinchu, D.F**. Wright, S. Editorial: Introducing Progress in Environmental Geography. *Progress in Environmental Geography*, 1(1), pp.1-7. (**Note: Editorial**).

2021 Kholia, N., Kotlia, B.S., **Porinchu, D.F**., Bisht, K., Sharma, A., Jalal, P. Sedimentological and grain-size characteristics of two lake cores from Himachal Pradesh, India. *Journal of Climate Change*, 7, pp. 35-51.

Niederman, E.A., **Porinchu, D.F**. and Kotlia, B.S. Hydroclimate change in the Garhwal Himalaya, India at 4200 yr BP coincident with the contraction of the Indus civilization. *Scientific Reports*, *11*(1), pp.1-14.

Cooper, S., **Porinchu, D.F**., *Reinemann, S., Degrand, J., Mark, B.G. A lake sediment based paleoecological reconstruction of late Holocene fire history and vegetation change from Great Basin National Park, Nevada, USA. *Quaternary Research,* 104, pp. 28-42.

Kotlia, B.S., **Porinchu, D.F**., Singh, A.K. Last 5 ka in South Asia: Climate and Civilization. *Quaternary International.* (**Note: Editorial for Co-edited Special Issue**).

2020 *Wu, J. and **Porinchu, D.F**., 2020. A high-resolution sedimentary charcoal-and geochemistry based reconstruction of late Holocene fire regimes in the páramo of Chirripó National Park, Costa Rica. *Quaternary Research*, *93*(1), pp.314-329.

Kaufman, D., McKay, N., Routson, C., Erb, M., Davis, B., Heiri, O., Jaccard, S., Tierney, J. Dätwyler, C., Axford, Y. and Brussel, T., + 82 authors including **Porinchu, D.F.** 2020. A global database of Holocene paleotemperature records. *Scientific Data*, *7*(1), pp.1-34.

Sambuco, E., Mark, B.G., Patrick, N., DeGrand, J.Q., **Porinchu, D.F.**, Reinemann, S.A., Baker, G. and Box, J.E., 2020. Mountain temperature changes from embedded sensors spanning 2000m in Great Basin National Park, 2006-2018. *Frontiers in Earth Science*, *8*, p.292.

2019 Engels, S. Medeiros, A.S., Axford, Y., Brooks, S.J., Heiri, O., Nazarova, L., Luoto, T.P., **Porinchu, D.F**., Quinlan, R., Self, A.E. Climate change as a driver of biodiversity: subfossil chironomids as an indicator of long-term trends in insect diversity. *Global Change Biology.* DOI: 10.1111/gcb.14862

Porinchu, D.F., MacDonald, G.M., ^Rolland, N., Kremenetski, K., Moser, K.A., Seppä, H., Rühland, K. Evidence of abrupt climate change at 9.3 ka and 8.2 ka in the central Canadian Arctic: Connection to the North Atlantic and AMOC. *Quaternary Science Reviews* 219: 204-217.

*Wu, J., **Porinchu, D.F**., Horn, S.P. Late Holocene hydroclimate variability in Costa Rica: Signature of the Terminal Classic Drought and the Medieval Climate Anomaly in the northern tropical Americas. *Quaternary Science Reviews* 215: 144-159.

*Wu, J., **Porinchu, D.F**., *Campbell, N.L., *Mordecai, T.M. and *Alden, E.C., 2019. Holocene hydroclimate and environmental change inferred from a high-resolution multi-proxy record from Lago Ditkebi, Chirripó National Park, Costa Rica. *Palaeogeography, Palaeoclimatology, Palaeoecology* 518: 172-186.

2017 **Porinchu, D.F**., *Haskett, D., *Reinemann, S. Biostratigraphic Evidence of Human Modification of High Elevation Aquatic Ecosystems in the Intermountain West of the United States. *Anthropocene* 20: 37-47.

*Wu, J., **Porinchu, D.F**., Horn, S.P. A chironomid-based reconstruction of late Holocene climate and environmental change for southern Pacific Costa Rica. *The Holocene* 27: 73-84.

Porinchu, D.F. "Global Climate Change". In, *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Ed. D. Richardson. Wiley-Blackwell. NY. (**Note: Encyclopedia Entry**).

2016 MacDonald, G.M., Bloom, A.M., Potito, A.P., **Porinchu, D.F**., Moser, K.A., Holmquist, J., Hughes, J., Kremenetski, K. Persistent relationship between climate warming, Pacific sea surface temperatures, and California aridity over the Holocene. *Nature Scientific Reports* 6: 1-8.

2015 Fortin, M-C., Medeiros, A., Gajewski, K., Barley, E., Larocque-Tobler, I., **Porinchu, D.F**., Wilson, S. Chironomid-environment relations in northern North America: a larger modern analogue for quantitative temperature reconstructions. *Journal of Paleolimnology* 54: 223-237.

Medeiros, A., Gajewski, K., **Porinchu, D.F**., Vermaire, J., Wolfe, B.B. The influence of secondary environmental gradients on chironomid-inferred paleotemperature reconstructions in northern North America. *Quaternary Science Reviews* 124: 265-274.

*Wu, J., **Porinchu, D.F**., Horn, S.P., Hayberan, K. A. The modern distribution of chironomid subfossils in Costa Rica and their potential as a paleotemperature proxy *Hydrobiologia* 742: 107-127.

2014 Miller, I.M., Pigati, J.S., Anderson, R.S., Johnson, K.R., Ager, T.A., Baker, R.G., Blaauw, M., Bright, J., Brown, P.M., Bryant, B., Calamari, Z.T., Carrara, P.E., Cherney, M.D., Davis, E.B., Demboski, J.R., Elias, S.A., Fisher, D.C., Graham, R.W., Gray, H.J., *Haskett, D.R., Honke, J.S., Jackson, S.T., Jiménez-Moreno, G., Kline, D., Leonard, E.M., Lifton, N.A., Lucking, C., Mahan, S.A., McDonald, H.G., McHorse, B.K., Miller, D.M., Muhs, D.R., Nash, S.E., Newton, C., Paces, J.B., Petrie, L., Plummer, M.A., **Porinchu, D.F.**, Rountrey, A.N., Scott, E., Sertich, J.W., Sharpe, S.E., Skipp, G.L., Strickland, L.E., Stucky, R.K., Thompson, R.S., Wilson, J. A high-elevation, multi-proxy biotic and environmental record of MIS 6-4 from the southern Rocky Mountains, Colorado, USA. *Quaternary Research* 82: 618-634.

*Reinemann, S., **Porinchu, D.F.**, Gustin, M.S., Mark, B.G. Historical trends of mercury and spheroidal carbonaceous particle deposition in sub-alpine lakes in the Great Basin, United States. *Journal of Paleolimnology* 52: 405-418.

Anderson, R.S., Jiménez-Moreno, G., Ager, T., **Porinchu, D.F**. High-elevation paleoenvironmental change during MIS 6 - 4 in the central Rockies of Colorado as determined from pollen analysis. *Quaternary Research*: 82: 542-552.

*Haskett, D., **Porinchu, D.F**. A quantitative midge-based reconstruction of thermal conditions in central Colorado during Marine Isotope Stage 5. *Quaternary Research* 82: 580-591.

*Reinemann, S., **Porinchu, D.F.**, MacDonald, G.M., Mark, B.G., DeGrand, J. A 2000 year reconstruction of air temperature in the Great Basin of the United States with specific reference to the Medieval Climatic Anomaly. *Quaternary Research*: 82: 309-317.

*Reinemann, S., **Porinchu, D.F.**, Mark, B.G. Regional climate change evidenced by recent shifts in chironomid community composition in sub-alpine and alpine lakes in the Great Basin of the United States. *Arctic, Antarctic and Alpine Research* 46: 600-615.

2011 Self, A.E., Brooks, S.J., Birks, H.J.B., Nazarova, L., **Porinchu, D.F**., Odland, A., Yang, H., Jones, V.J. The distribution of chironomids in high-latitude Eurasian lakes with respect to temperature and continentality: development and application of new chironomid-based climate-inference models in northern Russia. *Quaternary Science Reviews* 30: 1122-1141.

*Reinemann, S.R., Patrick, N., Baker, G., **Porinchu, D.F**., Mark, B.G., Box, J.E. Climate change in Great Basin National Park: Lake sediment and sensor-based studies. *Park Science*: 28: 78-82.

2010 **Porinchu, D.F**., *Reinemann, S.R., Mark, B., Box, J. and ^Rolland, N. Application of a midge-based inference model for air temperature reveals evidence of late-20th century warming in sub-alpine lakes in the central Great Basin, United States. *Quaternary International* 215: 15-26.

2009 *Reinemann, S.R., **Porinchu, D.F.**, Bloom, A.M, Box, J.B., Mark, B.G. A multi-proxy paleoclimate reconstruction of Holocene thermal conditions in the Great Basin, United States. *Quaternary Research* 72: 347-358.

Porinchu D.F., ^Rolland N. and MacDonald G.M. A 2000 year midge-based paleotemperature reconstruction from the Canadian Arctic Archipelago. *Journal of Paleolimnology* 41: 177-188.
Porinchu, D. F., ^Rolland, N. and Moser, K. A. Development of a chironomid-based air temperature inference model for the Central Canadian Arctic. *Journal of Paleolimnology* 41: 349-368.

^Rolland, N., **Porinchu, D.F.**, and Larocque, I. The use of high-resolution gridded climate data in the development of chironomid-based inference models from remote areas. *Journal of Paleolimnology* 41:343-348.

Kaufman, D.S., Schneider, D.P., McKay, N.P., Ammann, C.M., Bradley, R.S., Briffa K.R., Miller, G.H., Otto-Bliesner, B.L., Overpeck, J.T., Vinther, B.M., Arctic Lakes 2k Project Members (Abbott, M., Axford, Y., Bird, B., Birks, H.J.B., Bjune, A.E., Briner, J., Cook, T., Chipman, M., Francus, P., Gajewski, K., Geirsdóttir, Á., Hu, F.S., Kutchko, B., Lamoureux, S., Loso, M., MacDonald, G., Peros, M., **Porinchu, D.**, Schiff, C., Seppä, H., Thomas, E. Recent warming reverses long-term Arctic cooling. *Science* 325: 1236-1239.

MacDonald G.M., **Porinchu D.F.**, ^Rolland N., Kremenetsky K.V. and Kaufman D.S. Paleolimnological evidence of the response of the central Canadian treeline zone to radiative forcing and hemispheric patterns of temperature change over the past 2000 years. *Journal of Paleolimnology* 41:129-141.

Westover, K.S., Moser, K.A., **Porinchu, D.F.** and MacDonald, G.M. Physical and chemical limnology of a 61-lake transect across mainland Nunavut and southeastern Victoria Island, Central Canadian Arctic. *Fundamental and Applied Limnology* 175/2: 93-112.

2008 Macdonald, G.M., Moser, K.A., Bloom, A.M., **Porinchu, D. F.**, ^Potito. A.P., Wolfe, B., Edwards T.W.D. Evidence for temperature depression and hydrological variations during the Younger Dryas chronozone in the Sierra Nevada, California. *Quaternary Research* 70: 131-140.

2007 **Porinchu, D.F.,** Moser, K.A. and Munroe, J. Development of a midge-based summer surface water temperature inference model for the Great Basin of the western United States. *Arctic, Antarctic and Alpine Research* 39: 566-577.

Porinchu, D.F., ^Potito, A**.,** MacDonald, G.M., Bloom, A.M. Subfossil chironomids as indicators of recent climate change in Sierra Nevada, California, lakes. *Arctic, Antarctic and Alpine Research* 39: 286-296.

2006 ^Potito, A., **Porinchu, D.F.**, MacDonald, G.M., Moser, K.A. A late Quaternary chironomid inferred temperature record from the Sierra Nevada, California: connections to northeast Pacific sea surface temperatures. *Quaternary Research* 66: 356-363.

2004 Kaufman, D., Ager, T.A., Anderson, N.J., Anderson, P.M., Andrews, J.T., Bartlein, P.J, Brubaker, L.B., Coats, L.L., Cwynar, L.C., Duvall, M.L., Dyke, A.S., Edwards, M.E., Gajewski, K., Geirsdóttir, A., Hu, F.S., Jennings, A.E., Kaplan, M.R., Kerwin, M.W., Lozhkin, A.V., MacDonald, G.M., Miller, G.H., Mock, C.J., Oswald, W.W., Otto-Bliesner, B.L., **Porinchu, D.F.**, Rűhland, K., Smol, J.P., Steig, E.J. and Wolfe, B.B. Holocene thermal maximum in the western Arctic (O-180°W). *Quaternary Science Reviews*, 23: 529-560.

2003 **Porinchu, D.F.,** MacDonald, G.M., Bloom, A.M. and Moser, K.A. Chironomid community development in the eastern Sierra Nevada, California, U.S.A., during the late glacial-early Holocene transition: paleoclimatic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 198: 403-422.

Porinchu, D.F. and MacDonald, G.M. The use and application of freshwater midges in geographical research. *Progress in Physical Geography*, 27: 409-453.

Bloom, A.M., Moser, K.A., **Porinchu, D.F.** and MacDonald G.M. Diatom-inference models for surface-water temperature and salinity developed from a 57-lake calibration set from the Sierra Nevada, California, USA. *Journal of Paleolimnology* 29: 235-255.

2002 **Porinchu, D.F.**, MacDonald, G.M., Bloom, A.M. and Moser, K.A. The modern distribution of chironomids (Insecta: Diptera) in the Sierra Nevada, California: potential for paleoclimatic reconstructions. *Journal of Paleolimnology* 28: 355-375.

Porinchu, D.F. and Cwynar, L.C. Late-Quaternary history of midge communities and climate from a tundra site near the lower Lena River, northeast Siberia. *Journal of Paleolimnology* 27: 59-69.

2000 **Porinchu, D.F**. and Cwynar, L.C. The distribution of freshwater chironomidae (Insecta: Diptera) across treeline near the lower Lena River, northeast Siberia. *Arctic, Antarctic and Alpine Research* 32: 429-427.

Peer Reviewed Book Chapters

2004 MacDonald, G.M., Edwards, T., Gervais, B., Laing, T., Pisaric, M., **Porinchu, D.F.**, Synder, J., Solovieva, N., Tarasov, P., and Wolfe, B. Recent Paleolimnological Research from Northern Russian Eurasia**.** In: *Long -Term environmental change in Arctic and Antarctic lakes*. Editors: Pienitz, R., Douglas, M.S.V., and Smol, J.P. Kluwer Academic Publishers, Dordrecht, The Netherlands, pp. 349-380.

INVITED RESEARCH PRESENTATIONS ($^{\wedge,*}$ denotes (former) post-doc, student co-author)

2022 **Porinchu, D.F.,** Cooper, S., Reinemann, S.A., DeGrand, J.Q. and Mark, B.G. A Story of Change: What Lake Sediment Can Tell Us About Climate, Vegetation and Fire in Great Basin National Park, USA. Great Basin National Park, Baker, NV (08/09/22)

Porinchu, D.F. Late Quaternary Climate and Vegetation Dynamics in Northeastern Eurasia. NC/SE Geological Society of America Meeting, Cincinnati, OH (04/08/22)

Porinchu, D.F. Hydroclimate Change in the Garhwal Himalaya Coincident with the Contraction of the Indus Valley Civilization: Department of Geological Sciences, Syracuse University (03/31/22)

2018 **Porinchu, D.F.** Holocene climate change in Arctic Canada and Eurasia. Department of Geology, Kumaun University, Nainital, India. (02/12/18)

Porinchu, D.F. Evidence of abrupt climate change at 9.3 and 8.2 ka in the central Canadian Arctic: linkages with the North Atlantic. Wadia Institute of Himalayan Geology, Dehradun, India. (05/15/18)

Porinchu, D.F. Response of sub-alpine and alpine lakes in the western United States to recent climate and environmental change. International Centre for Integrated Mountain Development (ICIMOD), Kathmandu, Nepal (05/25/18)

Porinchu, D.F. Evidence of abrupt climate change at 9.3 and 8.2 ka in the central Canadian Arctic: linkages with the North Atlantic. University of Kentucky, Department of Earth and Environmental Sciences. (11/15/18)

2017 **Porinchu, D.F**. Evidence of abrupt climate change at 9.3 ka and 8.2 ka in the central Canadian Arctic: An analogue for the future? Indiana State University, Department of Earth and Environmental Systems (04/21/2017)

2016 Reinemann, S.A., **Porinchu, D.F.** and Mark, B.G. Long term perspective on environmental change in Great Basin National Park. Great Basin National Park, Baker, NV. (07/12/2016)

2014 **Porinchu, D.F.** Abrupt Climate Change during the Late Quaternary: Evidence from Arctic and Alpine Environments. Georgia State University, Department of Geosciences (10/16/2014)

2013 **Porinchu, D.F**. A Paleolimnological Perspective on Late Quaternary Climate Change in the Intermountain West of the United States. University of Tennessee, Department of Geography (07/08/13)
Porinchu, D.F. Workshop on Chironomids in Paleoclimate Research. University of Tennessee, Department of Geography (07/09/13)

2012 **Porinchu, D.F**., Haskett, D. Late Quaternary climate change at the Snowmastodon Site, Snowmass Village, CO: Preliminary results from sub-fossil midge analysis. Denver Museum of Nature and Science (06/25/12)

Porinchu, D.F., Reinemann, S. and Haskett, D. Holocene climate variability in the Intermountain West: Evidence from lake sediment. MNTCLIM; Consortium for Integrated Climate Research in Western Mountains (CIRMOUNT), Estes Park, CO (10/02/12)

Porinchu, D.F. Late Quaternary climate change in the Intermountain West: Evidence from lake Sediment. University of Georgia, Department of Geology (11/30/12)

2011 **Porinchu, D.F.** Paleolimnology Field Methods and Theory: Case Studies from the Central Canadian Arctic. University of Indiana, Geological Sciences (10/17/11)

Porinchu, D.F. Impacts of Global Change on Freshwater Ecosystems: The View from the Intermountain West of the United States. University of Indiana, Geological Sciences (10/17/11)

Porinchu, D.F. Chironomid Paleoclimatology: The View from the Great Basin. Pacific Climate Workshop (PACLIM), Pacific Grove, CA. (03/08/11)

Porinchu, D.F. Global Climate and Environmental Change: Case Studies from the Canadian Arctic and the western United States. University of Georgia, Geography (03/24/11)

Porinchu, D.F. Chironomid Paleoclimatology: The View from the Intermountain West of the United States. The Ohio State University, EEOB (04/21/11)

2010 **Porinchu, D.F**., ^Potito, A.P., *Soltesz, P., DeGrand, J., Reinemann, S.R. Assessing Mid-Holocene Aridity in the Midwestern United States. Ohio Geological Survey – Quaternary Studies Workshop, Delaware, OH. (10/15/10)

2009 **Porinchu, D.F.**, Mark, B.G. and *Reinemann, S.R. Climate change and Great Basin National Park: Insights from The Ohio State University research and education program. Great Basin National Park, Baker, NV (08/10/09)

Porinchu, D.F. Paleolimnological and paleoecological studies from northern Eurasia: evidence of abrupt and long-term climate change during the late Quaternary. 3rd LIMPACS (IGBP, PAGES) Conference, Chandigarh, India (03/06/09)

Porinchu, D.F. Insects and paleoclimate: paleolimnological evidence of climate variability in the Great Basin, USA during the late Quaternary. Department of Geology, Middlebury College, Middlebury, VT (01/20/09)

Porinchu, D.F. Paleoecology and paleolimnology: what lake sediment can reveal about past environments**.** Department of Geology, Middlebury College, Middlebury, VT (01/21/09)

2008 **Porinchu, D.F**. Insects and Paleo-Eskimos: paleolimnological evidence of climate variability in the central Canadian Arctic during the Holocene. Department of Geography and Regional Sciences, University of Arizona, Tucson, AZ (10/30/08)
Porinchu, D.F. Chironomids as indicators of recent and long-term climate change in the western United States. Department of Geological Sciences, University of Arizona, Tucson, AZ (10/31/08)

Porinchu, D.F. From insects to climate: paleolimnological evidence of climate variability in the central Canadian Arctic during the Holocene. Global and Environmental Change Seminar, Earth Sciences, The Ohio State University, Columbus, OH (11/07/08)

2007 **Porinchu, D.F.** and Rolland, N. High resolution records of climate variability available from the central Canadian Arctic. Summary workshop: synthesis of the last 2000 years of climate variability from Arctic lakes. San Francisco, CA (12/13/2007)

Porinchu, D.F. Abrupt climate change: evidence of differential response of lakes in the Sierra Nevada to Younger Dryas forcing. Pacific Climate Workshop (PACLIM), Pacific Grove, CA. (05/15/2007)

Porinchu, D.F. Climate variability in the central Canadian Arctic: the last 2000 years. Synthesis of the last 2000 years of climate variability from Arctic lakes. Skaftafell, Iceland (05/01/2007)

Porinchu, D. F. Climate change: The view from arctic and alpine environments. Department of Geography, Miami University, Oxford OH (04/15/2007)

2006 **Porinchu, D.F.**, Moser, K.A., MacDonald, G.M, and Munroe, J.S. Chironomids as proxy indicators of recent climate change in the Uinta Mountains, UT. UINTAS 2006. Snowbird, UT. (05/19/2006)

Porinchu, D.F. Publications: Journals, editorial boards and the peer review process. Graduate Student Symposium. Department of Geography, UCLA. (05/10/2006)

Porinchu, D. F. Chironomids as proxy indicators of past climate conditions: evidence from high altitude and high latitude. Department of Entomology, The Ohio State University, Columbus, OH (02/17/2006)

2004 **Porinchu, D.F.** The use of midge flies in paleoclimatic research: case studies from the Sierra Nevada, California. Byrd Polar Research Center, The Ohio State University, Columbus, OH (02/12/04)

Porinchu, D.F. The use of midge flies in paleolimnological research: recent advances. Department of Biology, York University, Toronto, Canada. (11/29/04)

Porinchu, D.F. California climate during the last glacial-interglacial transition: The Younger Dryas and a North Atlantic linkage. Department of Geography, The Ohio State University, Columbus, OH. (02/17/04)

2003 **Porinchu, D.F.** Lord of the *PAD*-rings: Tree-rings and climate in the Peace-Athabasca Delta. Department of Earth Sciences, University of Waterloo, Waterloo, Canada. (10/30/03)

Porinchu, D.F. Evidence of the Younger Dryas in Sierra Nevada, California lakes: paleoclimatic implications. DISCCRS: **Dis**sertations Initiative for the Advancement of **C**limate **C**hange **R**esearch **S**ymposium, Copamarina, Puerto Rico. (03/15/03)

Porinchu, D.F. Tracking Climate Variability Using Natural Archives. Department of Geography, California State University, Long Beach, Long Beach, CA. (02/15/03)

RESEARCH PAPERS AND POSTERS[#] PRESENTED AT PROFESSIONAL MEETINGS
([^], [*] denotes (former) post-doctoral, student co-author, respectively, # denotes poster) (99 additional papers and/or posters presented between 1997 and 2019)

2024 #Evidence of Pronounced Cooling in Northeast Siberia During the Younger Dryas: Testing Proxy and Model Output. **Porinchu, D.F**., Self, A.E., Pisaric, M.J., Cwynar, L.C., MacDonald, G.M. American Geophysical Union, Washington D.C.

#Chironomid-inferred postglacial temperature reconstruction from Gold Lake, Oregon, USA. Baig, J.,Gavin, D.G., **Porinchu, D.F**., Walker, I.F. American Geophysical Union, Washington D.C.

*Rimal, B., Cherkinsky, A., and **Porinchu, D.F**. Comparative ^{14}C Analysis of Different Materials in Lake Sediments. The 4th International Radiocarbon in the Environment Conference, Lecce, Italy.

2023 Geochemical and Biostratigraphic Evidence of Anthropogenic Modification of Alpine Lakes in the Northwestern Indian Himalaya. **Porinchu, D.F**., Chand, P., Kotlia, B.S., Smoak, J.M., Benedict, E. American Association of Geographers Annual Meeting, Denver, CO.

A lake-based reconstruction of late Holocene hydroclimate variability in the Garhwal Himalaya, India and links to the Indus Valley Civilization. **Porinchu, D.F**., *Niederman, E., Kotlia, B.S. International Union for Quaternary Research Congress, Rome, Italy.

2022 Abrupt Hydroclimate Change in the Garhwal Himalaya, India at 4200 cal yr BP Coincident with the Contraction of the Indus Valley Civilization. **Porinchu, D.F**., *Niederman, E., Kotlia, B.S. American Association of Geographers Annual Meeting, New York, NY.

#Evidence of Late Holocene Hydroclimate Variability in northern India and Links to the Indus Civilization. Cherkinsky, A.E., *Niederman, E., **Porinchu, D.F**., Kotlia, B.S. 24th International Radiocarbon and 10th 14C & Archaeology Conference, Geneva, Switzerland.

2021 Evidence of Abrupt Hydroclimate Change in the Garwhal Himalaya, India at 4.2 ka. *Niederman, E., Porinchu, D.F., Kotlia, B.S. American Association of Geographers Annual Meeting, Seattle, WA.

Abrupt Hydroclimate Change in the Garhwal Himalaya, India at 4200 cal yr BP Coincident with the Contraction of Harappan Civilization. Porinchu, D.F., *Niederman, E., Kotlia, B.S. American Geophysical Union, New Orleans, LA.

2020 Response of Vegetation to Hydroclimate Variability and Wildfire during the late Holocene in the Mountains of the central Great Basin, Nevada, USA. **Porinchu, D.F., *** Cooper, S., *Reinemann, S., Mark, B., DeGrand, J. American Geophysical Union, San Francisco, CA (virtual attendance).

GRADUATE STUDENT SUPERVISION
University of Georgia
Master's thesis - Chair
Madison Rollins (Geography, *in progress*)
Sydney Hamann (Geography, *in progress*)
Victor Arraes (co-advisor, Geography, 2023)
Emily Niederman (Geography, 2021)
Cooper, Stephen (Geography, 2019)
Haskett, Danielle (Geography, 2013)
Wu, Jiaying (Geography, 2012)

Doctoral dissertation – Chair
Aharna Sarkar (Geography and ICON, *in progress*)
Binita Rimal (Geography, *in progress*)
Meghna Ray (Geography, *in progress*)
Jiaying Wu (Geography, 2018)
Danielle Haskett (ABD, Geography, 2013-2018)
Thesis and Dissertation Committee Member
Atticus Tomcho (Geography, *in progress*)
Constanza Urresty (Geography, 2024)
Mckenna Waite (Anthropology, 2023*)*
Anik Regan (Geology, 2021)
Laura Dupont (Geology, 2020)
Ny riavo Gilbertinie Voarintsoa (Geology, 2017)
Rivera, Maria (Geography, 2017)
Pete Akers (Geography, 2016)
Genevieve Holdridge (Geography, 2016)
Lixin Wang (Geography, 2016)
Jake MacDonald (Geography, 2016)
Cameron, Sean (Geography, 2015)
The Ohio State University
Post-doctoral Supervisor
Rolland, Nicolas (Geography, 2007-08)
Potito, Aaron (Geography, 2005-06)
Master's thesis - Chair
Wu, Jiaying (Atmospheric Sciences, transferred to UGA in 2011)
Reinemann, Scott (Atmospheric Sciences, 2008)
Doctoral dissertation - Chair
Reinemann, Scott (Atmospheric Sciences, 2013)
Thesis and Dissertation Committee Member
Alecia Campbell (Geography, 2013)
Grey Evanson (Geography, 2009)
Dudley Bonsal (Geography, 2007)
Brianna Vogt (Geography, 2006)
Scott Stuckman (Environmental Sciences; 2009-2011)
Becki Witherow (Earth Sciences, 2009)

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