

CURRICULUM VITAE

8/22

DONG-HA MIN

PERSONAL

Citizenship: Korea (Permanent Resident: Alien of Extraordinary Ability/ National Interest)

ADDRESS & TELEPHONE

The University of Texas at Austin
Department of Marine Science
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EDUCATION

Ph.D., Oceanography, Scripps Institute of Oceanography, University of California, San Diego, 1999

M.Sc., Chemical Oceanography, Seoul National University, 1989

B.Sc., Oceanography (minor in Chemistry), Seoul National University, 1987

Additional Coursework

NASA Summer School for Earth Sciences: Processes of Global Change, California Institute of Technology, August 1993

Title of Dissertation

Studies of large-scale intermediate and deep water circulation and ventilation in the North Atlantic, South Indian and Northeast Pacific Oceans, and in the East Sea (Sea of Japan), using chlorofluorocarbons as tracers.

Dissertation Advisor

Ray F. Weiss (Distinguished Professor of Geochemistry/Associate Dean Emeritus), Scripps Institution of Oceanography, University of California San Diego, 9500 Gilman Drive, La Jolla CA, 92093, Mail Code: 0244, (858) 534-2598, rfweiss@ucsd.edu.

Postdoctoral Research Topic

1. Circulation and ventilation studies of the East Sea (Sea of Japan) by utilizing transient tracers (University of Washington, Seattle, WA)
2. Decadal-scale changes in dissolved oxygen in the Southern Ocean (Pennsylvania State University, University Park, PA)

Postdoctoral Advisor

1. Prof. Mark Warner
2. Prof. Klaus Keller

PROFESSIONAL EXPERIENCE

- 2020-Present Associate Professor of Instruction, Department of Marine Science, The University of Texas at Austin, Austin, Texas.
- 2018-2020 Assistant Professor of Instruction, Department of Marine Science, The University of Texas at Austin, Austin, Texas.
- 2016-2018 Lecturer, Department of Marine Science, The University of Texas at Austin, Austin, Texas.
- 2015-2016 Learning Specialist, Sanger Learning Center, School of Undergraduate Studies, The University of Texas at Austin, Texas
- 2014-2016 Research Fellow, Department of Marine Science, The University of Texas at Austin, Texas.
- 2012-2014 Lecturer, Department of Marine Science, The University of Texas at Austin, Austin, Texas.
- 2005-2012 Assistant Professor, Department of Marine Science, The University of Texas at Austin, Port Aransas, Texas.
- 2005-2009 Research Assistant Professor, Marine Science Institute, The University of Texas at Austin, Port Aransas, Texas.
- 2002-2005 Research Associate, Department of Geosciences, The Pennsylvania State University.
- 1999-2002 Postdoctoral Research Associate, School of Oceanography, University of Washington.
- 1992-1999 Graduate Student Researcher, Scripps Institute of Oceanography, University of California, San Diego.
- 1990-1992 Assistant Researcher, Research Institute of Oceanography, Seoul National University, Korea.
- 1991 Lecturer, Department of Oceanography, Kunsan National University, Korea.
- 1989-1990 Reserve Officer, Korean Army
- 1987-1988 Research Assistant, Department of Oceanography, Seoul National University, Korea.
- 1987 Teaching Assistant, Department of Oceanography, Seoul National University, Korea.
- 1983 Summer Undergraduate Intern Student, Korean Ocean Research and Development Institute.

HONORS/AWARDS

- 2020 UT Experiential Learning Initiative Faculty Ambassador, 2020-2021
- 2014 UT Services for Students with Disabilities Clock Award
- 2013 UT College of Natural Sciences Teaching Excellence Award

PROFESSIONAL SOCIETIES

American Geophysical Union
 The Korean Society of Oceanography
 Korean-American Scientists and Engineers Association

PROFESSIONAL SERVICESPanel Reviewer

NSF-Graduate Research Fellowship (Chemistry II)

Proposal Reviewer

UT Research Grants
 UT Experiential Learning Initiative Course Developer proposal review
 Korean National Science & Technology Commission's R&D Project

Journal Editor

2012-2015 The Sea: The Korean Society of Oceanography (Editorial Board)

Journal Reviews

Journal of Physical Oceanography, Marine Chemistry, Progress in Oceanography, Journal of the Korean Society of Oceanography, Geophysical Research Letters, Journal of Geophysical Research, Journal of Oceanography, Deep-Sea Research I, Deep-Sea Research II, Continental Shelf Research, Nature Geoscience, Ocean Science

OTHER SERVICEUniversity

2022 Member, MSI, Staff Search Committee – Marine Science Coordinator
 2021-Present Ex-officio member, Mentoring Sub-committee of Non-Tenure Track Faculty Committee, CNS
 2020-Present Department delegate for CNS Diversity Committee, MSI
 2020-2021 Inaugural Chair, Mentorship Sub-committee of Non-Tenure Track Faculty Committee, CNS
 2018 Member, Natural Science & Technology Core Curriculum Assessment grader training, UGS
 2017-2021 Member, Non-Tenure Track Faculty Committee, CNS
 2017-2019 Member, UT Natural Science & Technology Core Curriculum Assessment Group (MNS 308 course case highlighted in final report)
 2017-Present Inaugural Member, Sanger Learning Center Faculty Advisory Committee, UGS
 2016-Present Member, Marine & Freshwater Science Program Undergraduate Adviser Team
 2015-2016 Learning specialist, Sanger Learning Center, UT (hosting Distinguished Faculty Workshop Series for student educators)
 2015-2016 Learning specialist, Sanger Learning Center, UT (academic counseling, supervising student educators, training Signature Course TAs)

2013-2014 Member, Marine & Freshwater Biology Program Undergraduate Adviser
 2010-2012 Chair, MSI, Schweppe Seminar Committee
 2010-2012 Member, MSI, Seminar Committee
 2010-2012 Member, CNS, Undergraduate Scholarship Committee
 2010 Member, DMS, Student Candidacy Oral Exam Committee
 2009-2012 Member, MSI, Marine Operations Committee
 2007-2014 UT Environmental Science Institute Watershed Portfolio Program
 Affiliated faculty
 2009 Chair, MSI, Faculty Search Committee – Marine Biogeochemist
 2009 Chair, DMS, Students Candidacy Exam Committee –
 Biogeochemistry
 2008-2010 Member, MSI, Faculty Merit Review Committee
 2008 Member, DMS, Student Candidacy Oral Exam Committee
 2007 Member, MSI, Faculty Search Committee – Quantitative Ecologist
 2006-2009 Member, MSI, Awards Committee
 2005-2012 Member, DMS, Students Candidacy Exam Committee –
 Biogeochemistry
 2005-2012 Member, MSI, Graduate Studies Committee
 2005-2006 Leader, MSI, Pier Lab Renovation Task Force
 2005-2006 Member, MSI, Library Committee
 2005-2006 Member, MSI, Ship & Boat Committee
 2005-2006 Ad hoc Space Policy Committee
 2005 Member, MSI, Faculty Search Committee – Marine Chemist

State

2014-present Member (Individual), Party to the Gulf of Mexico Coastal Ocean Observing
 System (GCOOS) Memorandum of Understanding
 2009-2014 Member (Institute – representing MSI), Party to the Gulf of Mexico Coastal Ocean
 Observing System (GCOOS) Memorandum of Understanding
 2007-2009 Member (Individual), Party to the Gulf of Mexico Coastal Ocean Observing
 System (GCOOS) Memorandum of Understanding

Community

2022 Participated the CNS graduation event as department representative
 2022 Spoke at the Marine Science Club, UT
 2022 Spoke with high school student interested in MFS
 2021 Served as a reviewer of CNS Distinguished Honored Graduates awards
 2021 Participated the CNS graduation event as department representative
 2021 Interviewed for the female middle school students' STEM career day
 2021 Spoke at the Marine Science Club, UT
 2021-present Mentored junior faculty at department
 2020-2021 Mentored Experiential Learning Initiative Course Developer faculty (2)
 2020 Spoke at the Marine Science Club, UT
 2020 Spoke with ADPAC student organization, UT
 2019 Shared experiential learning activity examples with TIDES, CNS, UT
 2019-present Faculty mentorship connection with TIDES, CNS, UT

- 2019 Accompany the Marine Science Club's trip to Marine Science Institute, UT
- 2019 Spoke at the Marine Science Club, UT
- 2019 Spoke with FIG students
- 2019 Spoke with *Zeta House* students
- 2019 Spoke with the *Creators for Cause* student group, UT
- 2019 Invited to the "*Pie a President*" student organization event, UT
- 2019 Spoke with prospective students to UT marine science program
- 2018 Fall Served as faculty docent at CNS *Teaching Discovery Day*
- 2018 Interviewed with Faculty Innovation Center for Experiential Learning case study
- 2018 Interviewed for a student class video project: faculty profile
(<https://preview.tinyurl.com/y2j6lfuc>)
- 2018 Spoke at the Marine Science Club, UT
- 2018 Spoke at the 314 Action UT Austin Chapter
- 2018 Invited to the BRP Dorm student event, UT
- 2018 Spoke with the West Lake High School students (class visit to MNS 308)
- 2017 Fall Showcased MNS 307 class at CNS *Teaching Discovery Day*
- 2017 Invited to CNS "*Donut on the Patio*" to speak with students
- 2017 Launched a new network among the UT MSI & MFS alum who are in K-12 education/outreach for effective information exchange and sharing info
- 2017-present Attended the *Undergraduate Research Forum* and offered feedback to students
- 2017-present Attended the *Longhorn Research Poster Session* and offered feedback
- 2017-present Attended the *BDP student poster symposium* and offered feedback
- 2017-present Served at the Explore UT, Marine Science information booth
- 2017-present CNS Family Day, Marine Science information booth
- 2016-present Offered teaching counseling for undergraduate TAs
- 2016 Invited to "*Pie with Professor*" event at CNS
- 2015-2016 Volunteer at various UGS events
- 2015 Spoke at the Marine Science Club meeting, UT
- 2014-present Department representative at CNS Commencement
- 2013 Panel member for UT CNS Professional Development Seminar Series: Ethics
- 2013 Marine Science Department representative at the UT CNS Family Event
- 2013-present Invited to the annual *UTurn* faculty luncheon (to speak with students at the College of Liberal Arts, UT)
- 2013 Attended UT Junior Honors Colloquium Luncheon
- 2013 Hosted the international college exchange students at the oceanography class
- 2012-2014 Served as a *de facto* department representative in Austin for BIO 114A lab
- 2012 Donated marine science literature to the Marine Science Library
- 2012 Donated marine science journals to the Concordia University Library
- 2012 Ocean Sciences Meeting Outstanding Student Paper Award judge
- 2011 AGU Outstanding Student Paper Award judge
- 2011 Texas Academy of Science poster session judge
- 2011 UTMSI Open House volunteer
- 2010 Hosted a visit of St. Philips College students at UTMSI
- 2010 Corresponded to the Associate Press survey for the perceived impacts of the Deep Water Horizon oil spill on the Gulf of Mexico ecosystem.
- 2010-2012 Met with the Lake Travis Middle School Oceanography Club at UTMSI

- 2010-2012 San Jose Island beach cleanup (class activity)
- 2009-2012 Faculty evaluator for the UTMSI Student Symposium
- 2009-present Administrator of UTMSI Facebook Group
- 2009-2014 UTMSI contact for collaboration with the Texas National Guard Army Heavy Dive Team
- 2008-2012 Faculty peer evaluator for other courses at UTMSI
- 2009 Met with the delegate scientists and administrators from the Korea Ocean Research and Development Institute, Korea
- 2008-2011 Leader of science ethics workshop series for UTMSI Research Experience for Undergraduate (NSF-REU) program
- 2008-2011 Primary contributor for field trips for UTMSI Research Experience for Undergraduate (NSF-REU) program
- 2008-2010 Organized the UTMSI booth at the American Geophysical Union and Ocean Sciences Meeting to promote the UTMSI program
- 2008-2009 Spoke with the First-year Interest Group (FIG) undergraduate student group
- 2008 UTMSI Open House volunteer
- 2007-present Wrote recommendation letters for students
- 2006 UTMSI Open House volunteer
- 2006-2014 Regular reviewer of the “*Science and the Sea*” radio scripts
- 2005-present Coordinator and founder of the *Korean Oceanographers Network Abroad (KONA)*
- 2005 City of Port Aransas Beach Maintenance Advisory Group
- 2004 Conference Session Chair at the Ocean Sciences Meeting, Portland, OR (OS21E Biogeochemical cycles, chemical tracers, plankton, and population dynamics posters)
- 2003-2004 Expert Analyst and Contributor of KOSEN (The Global Network of Korean Scientists and Engineers)

PROFESSIONAL DEVELOPMENT

- 2021 CNS Teaching Discovery Day: observation & faculty docent
- 2021 UT Online Teaching Day: class observation
- 2020 CNS Teaching Discovery Day: featuring a session and participating other sessions (3)
- 2020 Experiential Learning Initiatives (ELI) workshop
- 2020 Teaching technology workshops (Proctorio, Panopto, Gradescope), UT
- 2020 Eyes on Teaching, UT
- 2019 CNS Teaching Discovery Day class observation & FRI lab tour / Tele-connect the Class observation with MSI faculty in Port Aransas
- 2019 Flags symposium, UGS
- 2019 Collaborative Learning Workshop: Assessment, Faculty Innovation Center, UT
- 2019 Eyes on Teaching, UT
- 2018 CNS Teaching Discovery Day class observation
- 2018 Faculty Search Committee Workshop, UT
- 2018 *Ethics Across Campus* workshop, UGS, UT
- 2018 Ethics Flag Workshop, UGS, UT
- 2018 Collaborative Learning Workshop: Group Learning, Faculty Innovation Center, UT

- 2018 Teaching Large Classes: Showcase Workshop & Opening Doors to Teaching Large Classes workshop, FIC, UT
- 2018 SLC Educator Forum, UT
- 2018 FIC/UT Libraries Graduate Teaching Showcase, UT
- 2018 Eyes on Teaching, UT
- 2017 *Ethics & Leadership* Flag for MNS 308 (Humans & a Changing Ocean) class, UT
- 2017 Eyes on Teaching, UT
- 2017 CNS TIDES STEM Teaching Hacks workshop
- 2017 NTT Faculty Info session, UT
- 2017 Changing Education Symposium, UT
- 2016 Cognos & VIP Database training, UGS, UT
- 2015-2016 Initiated and conducted the *Distinguished Faculty Workshop Series for Student Educators*; Produced the Sanger Learning Center information video for faculty in collaboration with staff at the Sanger Learning Center and the Learning Sciences (<https://vimeo.com/133686823>); Produced the syllabus description for the Sanger Learning Center to be used in the Course Syllabi Template for faculty in collaboration with staff at the Sanger Learning Center and the Learning Sciences (https://learningsciences.utexas.edu/sites/default/files/utsyllabustemplatedec_15_0.doc); Supervised the Signature Course TA cohort groups; Conducted tutor training and supervision as well as academic counseling.
- 2015 Student Academic counseling training, UGS, UT

COURSES TAUGHT

Undergraduate:

- MNS 367K, Human Exploration & Exploitation of Sea, The University of Texas at Austin, Spring 2022 [BDP Env. & Sustain. Certificate course]
- MNS 310, Fundamentals of Marine Science, The University of Texas at Austin, Fall of 2016, 2017, 2018, 2019, 2020, 2021, 2022
- MNS 320, Marine Ecology, The University of Texas at Austin, Fall 2016, Spring/Fall 2017, Spring/Fall 2018, Spring/Fall 2019, Spring/Fall 2020, Spring/Fall 2021, Spring/Fall 2022 [BDP Env. & Sustain. Certificate course, Peer-led Undergraduate Studying (PLUS) program implemented Spring 2019-Fall 2021]
- MNS 308, Humans and a Changing Ocean, The University of Texas at Austin, Spring/Fall 2013, Spring 2014, Spring of 2017, 2018, 2019, 2020, 2021, 2022. [**Ethics & Leadership Flag from Spring 2018; NS&T I core course; BDP Env. & Sustain. Certificate course]
- MNS 120L, Lab Studies of Marine Ecology, The University of Texas at Austin, Spring/Fall 2013, Spring 2014
- MNS s354Q, Marine Environmental Science, The University of Texas at Austin, Summer 2012
- MNS f354Q, Marine Environmental Science, The University of Texas at Austin, Summer 2011
- MNS f152S, Undergraduate Seminar in Marine Science, The University of Texas at Austin, Summer 2011, 2012.
- MNS f152T, Coastal Environmental Science in Texas Bays, The University of Texas at Austin, Summer 2008, 2009, 2010.

MNS f152L, Concepts in Marine Conservation Biology Lab, The University of Texas at Austin, Summer 2007

MNS 370, Independent Research for Credit, The University of Texas at Austin, Summer 2007, 2010.

MNS 307, Introduction to Oceanography, The University of Texas at Austin, Spring/Fall 2006, Spring/Fall 2008, Fall 2009, Fall 2010, Fall 2011, Fall 2012, Spring/Fall 2013, Spring/Summer 2014, Fall of 2016, 2017, 2018, 2019, 2020, 2021, 2022. [NS&T I core course; BDP Env. & Sustain. Certificate course]

BIO 101C Seminar in Marine Science, Guest Lecturer, The University of Texas at Austin, Fall 2005, 2006, 2007, 2008, 2009, 2010, 2011.

Earth 02, Marine Geology, Guest Lecturer, The Pennsylvania State University, 2003, 2004.

Introduction to Chemical Oceanography, Lecturer, Department of Oceanography, Kunsan National University, Korea, 1991.

Basic Marine Geochemistry, Lecturer, Department of Oceanography, Kunsan National University, Korea, 1991.

Chemical Oceanography, Department of Oceanography, Seoul National University, Korea, 1987.

Marine Chemistry Lab, Department of Oceanography, Seoul National University, Korea, 1987.

Graduate:

MNS 398T, Supervised Teaching in Marine Science, The University of Texas at Austin, Fall 2012, Fall 2013.

MNS 191, Seminar in Marine Science – Student Research Presentation, The University of Texas at Austin, Spring 2012.

MNS 383, Coastal Processes, The University of Texas at Austin, Fall 2007.

MNS 191, Seminar in Marine Science – Science Ethics, The University of Texas at Austin, Spring 2006.

GRADUATE STUDENT AND POSTDOCTORAL SUPERVISION

Postdoctoral Researcher

Dr. Jianhong Xue

Period

2010-2012

Former Student

Il Nam Kim

Degree

Ph.D.

Graduated

2012

Graduate Student Committees

B. Kim

Degree

Ph.D. (DMA)

Graduated

2017

Afonso Cesar Souza

Ph.D.

2009

Lucia Upchurch

M.S.

2008

John A. Breier, Jr.

Ph.D.

2006

Undergraduate Student Committees

Hannah Lee (UT Plan II, Biology)

Degree

B.S.

Graduated

2011

Thesis - <https://repositories.lib.utexas.edu/handle/2152/17526>

José Luis Martínez (UT Plan II, Journalism) B.A. 2022
Thesis – Hurakán: The Future of Texas in the Midst of Intensifying Hurricanes

Visiting Student Supervision

Taewook Kim (POSTECH University, Korea), PhD student, 2009

Undergraduate Independent Research Supervision

Sojin Park, UT Chemistry / BDP Connecting Experience Internship faculty mentor, 2020

Austin Richard, UT Marine & Freshwater Science / BDP Connecting Experience Internship
faculty mentor, 2019

Silvia Maldonado, UT EEB (University Leadership Network intern), 2018-2019

Amanda Alva, UT Marine & Freshwater Science / BDP Connecting Experience Internship faculty
mentor, 2018

Subbu Iyre, UT Chemistry / UT Research Week poster presentation, 2018

Kaleb Ashton, UT Environmental Science (EVS Capstone Research Project), 2016-2017 (2017 Sp
co-supervising with Ed Buskey)

Gabriel Chavez, UT Biochemistry, Spanish, Psychology (University Leadership Network intern),
2016-2017

Jane Lee, UT International Relations & Global Studies, 2016 (unofficial thesis supervision)

Emma DeCaro, UT Public Relations / Environment / BDP Connecting Experience Internship
faculty mentor, 2013

Brittany Morgan, UT Biology (Environmental Science Capstone Research Project), 2013

Patrick Mears, UT Marine & Freshwater Biology, 2010

Steven Cao (REU), UT Marine & Freshwater Biology, 2010 (co-supervising with McClelland)

July Enriquez (REU), UT Brownsville, 2009

Adrienne Lee (REU), Wellesley College, MA, 2008

Maria Mancha, UT Marine & Freshwater Biology, 2007

Student Worker Supervision

Berit Batterton (UT Marine Science), 2022

Anna Nugent (UT Marine & Freshwater Science), 2022

Carol Gonzalez (UT, Environmental Science), 2022

Justin Campbell (UT, Computational Engineering), 2021

Subbu Iyer (UT Chemistry), 2017-present

Mark Lopez (UT Marine & Freshwater Biology), 2015-2016, 2018-2020

Patrick Mears (UT Marine & Freshwater Biology), 2012-2014

Non-student Worker Supervision

Marine Science Coordinator, UT Marine Science Institute, 2022- Present

LECTURES

Invited Conference Oral Presentations

- Min, D.-H. 2021. Professional life of expatriate Korean marine scientist. School of Earth and Environmental Sciences, Seoul National University, Seoul, Korea (via Zoom).
- Min, D.-H. 2013. Teaching Humans, Ocean, and Climate Change to Non-Science Major Students in College. The UKC 2013 Conference, East Rutherford, NJ.
- Min, D.-H. 2013. Current Status and Future Direction of the U.S. CLIVAR/CO₂ Repeat Hydrography Program, and Potential Implications for Korean Ocean Research Plan. The 2nd Korea-US Oceanic and Atmospheric Science and Technology Workshop, Vienna, VA.
- Min, D.-H. 2012. Personal perspectives on future ocean research: Ocean 2050. Korea-U.S. Marine Scientists Meeting, Salt Lake City, UT.
- Min, D.-H. 2011. Building a professional network for Korean expatriate marine scientists, 1st Korea-US Marine Technology Workshop, Vienna, VA.
- Min, D.-H. 2008. Changes of atmospheric CO₂, oceanic uptake, and consequences, Coastal Issues Forum, Coastal Bend and Bays Foundation, TX.
- Min, D.-H., K. Keller, and R.M. Key. 2004. Detecting decadal-scale oxygen trends in the Southern Ocean, The 11th Seoul International Symposium on Polar Sciences, "Patterns and Processes in Polar Oceans and Life: Signals and Responses from Molecules to System", 8-9 September.

Contributed Conference Oral Presentations

- Mecking, S., K. Speer, I. Rosso, L. Schulze, J. Swift, L. Talley, A. Thurnherr, R. Fine, D. Min, R. Feely, B. Carter, A. Dickson, F. Millero, A. Macdonald (2018) From Australia to Chile: Pacific Decadal Water Column Changes along 32S, Abstract PL44C-1900 presented at 2018 Ocean Sciences Meeting, Portland, OR, 12-16 Feb.
- Min, D.-H. and J.L. Bullister, R.A. Fine, S. Mecking, W. Smethie, Jr., J. Swift. 2014. Presence of the anomalous chlorofluorocarbons at the bottom of the eastern subtropical North Pacific Ocean, American Geophysical Union Fall meeting, San Francisco, CA.
- Min, D.-H. 2013. Delineating the unseeable: CFCs as tracers of ocean processes, Ray F. Weiss Symposium, SIO/UCSD, La Jolla, CA.
- Min, D.-H. and J. Xue. 2012. Decadal-scale dissolved oxygen changes in the three mid-latitude marginal seas. Ocean Sciences Meeting, Salt Lake City, UT.
- Kim, I.-N. and D.-H. Min. 2012. Variability of summertime denitrification rates at the "Dead Zone" of the northern Gulf of Mexico: A modeling study using the extended OMP analysis. Ocean Sciences Meeting, Salt Lake City, UT.
- Min, D.-H. and J. Xue. 2011. Have there been significant decadal-scale dissolved oxygen changes in the Gulf of Mexico?, American Geophysical Union Fall meeting, San Francisco, CA.

- Min, D.-H. 2011. Wave and current characteristics at the Aransas Pass tidal inlet, Port Aransas, Texas, Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Min, D.-H. 2011. Nature of water exchange processes at the Aransas Pass tidal inlet, TX observed by simultaneous currents and water property measurements, 2011 Texas Academy of Science meeting, Austin, TX.
- Min, D.-H. 2010. Characteristics of ocean currents and water properties observed throughout the water column at the Aransas Pass Tidal Inlet (UTMSI pier), TX during summer/fall 2010, 2010 GERS meeting, Port Aransas, TX.
- I.-N. Kim and D.-H. Min. 2010. Estimates of denitrification and nitrous oxide (N₂O) production rates in the northern Gulf of Mexico using a simple non-mixing Redfield ratio model, 2010 GERS meeting, Port Aransas, TX.
- Kim, I.-N., A.M. Macdonald, D.-H. Min, J. Happell, and C. Grall. 2010. Two different types of Antarctic Bottom Water (AABW) in the South Pacific Ocean observed from P6 cruise of the US CO₂/Repeat Hydrography Program in 2009. Deep Ocean Workshop: Observed and model-simulated property changes in the deep ocean of the Southern Hemisphere, June 2010, Hobart, Australia.
- Kim, I.-N., D.-H. Min and T.-S. Lee. 2010. Estimates of oxygen utilization rates (OURs) at individual basins in the East Sea (Sea of Japan), Spring 2010 Korean Society of Oceanography Meeting, Seoul, Korea.
- Min, D.-H. and G.C. Shank. 2010. Hypoxia and Associated Water Properties in Nearshore Gulf of Mexico Waters off Port Aransas, TX, 2010 Ocean Sciences Meeting, Portland, OR.
- Kim, I.-N., D.-H. Min and T.-S. Lee. 2010. Analysis of East/Japan Sea Intermediate Water and its physicochemical features from OMP analysis, 2010 Ocean Sciences Meeting, Portland, OR.
- Enriquez, J. and D.-H. Min. 2010. Spatial distribution of fluoride in freshwater and seawater of the South Texas rivers, bays, and nearshore Gulf of Mexico, 2010 Ocean Sciences Meeting, Portland, OR.
- Whelan, M., D.-H. Min, R.C. Rhew, and Y.-T. Liu. 2009. Diurnal fluxes of carbonyl sulfide (COS) in a subtropical salt marsh, 2009 AGU Fall Meeting.
- Buskey, E., D. Erdner, J. McClelland, D.-H. Min, P. Munguia, C. Shank, D. Brandenburg, J. Enriquez, R. Hartnett, C. Heron, S. Miller and L. Rubio. 2009. Research Experiences for Undergraduates - Field Experiences in South Texas: projects carried out in the Mission-Aransas NERR during summer 2009, NERRS meeting, CA.
- Bullister J.L., R. E. Sonnerup, D. W. Moore, R. A. Fine, D.-H. Min, W. M. Smethie, M. J. Warner, T. Tanhua, D. Keike, R. Steinfeldt, and M. Rhein. 2009. Dissolved Chlorofluorocarbons as Transient Tracers in the CLIVAR Repeat Hydrography Program, Ocean Observation '09 Conference, Venice.
- Min, D.-H. and R.C. Rhew. 2009. Methyl halide flux variability from a South Texas salt marsh, Texas Bays and Estuaries Meeting, UTMSI, Port Aransas, TX.

- Min, D.-H. 2009. Delineating the water column property variability at the Aransas Pass Tidal Inlet, Texas based on multi-parameter profiler observation, Texas Bays and Estuaries Meeting, UTMSI, Port Aransas, TX.
- Min, D.-H. 2008. High Frequency and Multi-parameter Observation of Land-Sea Connection at the Aransas Pass Tidal Inlet, South Texas in Summer 2008, 2008 Fall AGU Meeting.
- Whelan, M., R. Rhew, and D.-H. Min. 2008. Fluxes of Methyl Halides in Subtropical Salt Marshes, 2008 AGU Fall meeting.
- Min, D.-H. and A.F. Amos. 2008. Capturing an episodic freshwater discharge event by coastal ocean monitoring at the Aransas Pass tidal inlet, South Texas, 2008 Ocean Sciences Meeting.
- Buskey, E.J., D.-H. Min, L. Campbell, R.J. Olson, H.M. Sosik, and A.F. Amos. 2007. The UTMSI Pier: Instrumentation to keep a finger on the pulse of the Mission Aransas National Estuarine Research Reserve, 2007 NERR conference.
- Min, D.-H. 2007. Penetration of anthropogenic chlorofluorocarbon gases to thermocline and intermediate waters in the northwestern Gulf of Mexico, *Eos Trans. AGU*, 88(23), Jt. Assem. Suppl., Abstract OS53A-04.
- Min, D.-H. and R.C. Rhew. 2007. Large methyl halide fluxes from a Texas coastal wetland, Texas Bays and Estuaries Meeting, UTMSI, Port Aransas, TX.
- Min, D.-H. 2007. Initial results from multi-parameter profiling observation at the UTMSI pier in Aransas Pass tidal inlet, Texas, Texas Bays and Estuaries Meeting, UTMSI, Port Aransas, TX.
- Mecking, S., C. Langdon, C. Deutsch, R. Feely, C. Sabine, J. Swift, D.-H. Min, and P. Robbins. 2006. Variability in ocean interior circulation and biogeochemistry: Repeat hydrography and modeling studies, *EOS Trans. AGU*.
- Adams, J.S. and D.-H. Min. 2006. Environmental monitoring for the Texas National Estuarine Research Reserve (TxNERR): UTMSI & TAMUCC. Texas Bays and Estuaries Meeting, Port Aransas, TX.
- Park, G., K. Lee, P. Tishchenko, D.-H. Min, L.D. Talley, D.-J. Kang, and K.-R. Kim. 2006. An anthropogenic CO₂ inventory in the East (Japan) Sea and its effect on carbonate chemistry, *EOS Trans. AGU*, 87(36), Ocean Sci. Meet. Suppl., Abstract OS35G-08.
- Keller, K., D.-H. Min, and R.M. Key. 2004. Detecting decadal-scale oxygen trends in the Southern Ocean, *EOS Trans. AGU*, 84(52), Ocean Sci. Meet. Suppl., Abstract OS21N-05.
- Min, D.-H. and K. Keller. 2004. How robust are estimated decadal-scale trends in dissolved oxygen concentrations in the Southern Ocean with respect to methodological assumptions?, *EOS Trans. AGU*, 84(52), Ocean Sci. Meet. Suppl., Abstract OS21E-05.
- R.A. Fine, W.M. Smethie, Jr., J.L. Bullister, D.-H. Min, M.J. Warner, M. Rhein, A. Poisson, and R.F. Weiss. 2003. Ventilation and Mixing of Indian Ocean Bottom Waters, IUGG 2003 General Assembly, State of the Planet: Frontiers and Challenges, Sapporo, Japan.

- Fine, R.A., W.M. Smethie, Jr., J.L. Bullister, D.-H. Min, M.J. Warner, M. Rhein, and R.F. Weiss. 2002. Ventilation of the Indian Ocean from the South, WOCE and Beyond, Achievements of the World Ocean Circulation Experiment, San Antonio, TX, 18-22 November.
- Bullister, J.L., R.E. Sonnerup, R.A. Fine, D.-H. Min, S. Mecking, W.M. Smethie, Jr., M.J. Warner, and R.F. Weiss. 2002. The WOCE Pacific CFC Survey, WOCE and Beyond, Achievements of the World Ocean Circulation Experiment, San Antonio, TX, 18-22 November.
- Warner, M.J., D.-H. Min, J.L. Bullister, W. Roether, W.M. Smethie, R.F. Weiss, R.A. Fine, A.J. Watson, T.W.N. Haine, and A. Poisson. 2002. Distributions of Anthropogenic CFCs in the Southern Ocean, WOCE and Beyond, Achievements of the World Ocean Circulation Experiment, San Antonio, TX, 18-22 November.
- Bullister, J.L., R.E. Sonnerup, R.A. Fine, S. Mecking, D.-H. Min, W.M. Smethie, Jr., M.J. Warner, and R.F. Weiss. 2002. CFC distributions in the Pacific Ocean during the WOCE Hydrographic Program one-time survey, WOCE Workshop on: Tracers in Physical Oceanography, Seattle, WA.
- Min, D.-H., K.-R. Kim, and R.F. Weiss. 2002. Decadal-scale changes of ventilation rates in the East Sea (Sea of Japan): A study by the chlorofluorocarbons and a simple model, CREAMS/PICES Symposium, Seoul, Korea.
- Min, D.-H. and M.J. Warner. 2002. Apparent Removal of Carbon Tetrachloride in the Thermocline Waters of the East Sea (Sea of Japan), EOS. Trans. AGU, 83(4), Ocean Sciences Meet. Suppl., OS120-5.
- Min, D.-H. and M.J. Warner. 2001. Unexpected bottom water ventilation pattern observed in the Japan Basin, 2001 CREAMS International Symposium, Honolulu, HI.
- Min, D.-H. and M.J. Warner. 2001. Ventilation and wide-range spreading of East Sea Intermediate Water, 2001 CREAMS International Symposium, Honolulu, HI.
- Min, D.-H. and M.J. Warner. 2000. Wide distribution of CFC-maximum intermediate water and unexpected ventilation pattern of bottom waters in the East (Japan) Sea observed in 1999, Suppl. to EOS, Trans., AGU, Vol.81 (48), F720.
- Min, D.-H., J.L. Bullister, and R.F. Weiss. 1999. Constant ventilation age of thermocline water in the eastern subtropical North Pacific Ocean from chlorofluorocarbon measurements over a 12-year period, Suppl. to EOS Trans., AGU, 80(49), Ocean Sciences Meeting, OS176.
- Min, D.-H., M.K. Vollmer, and R.F. Weiss. 1998. Ventilation of the Labrador Sea Water in the Subpolar North Atlantic Ocean, Suppl. to EOS Trans. AGU, 79 (1), Ocean Sciences Meeting, OS98.
- Min, D.-H., R.F. Weiss, and K.-R. Kim. 1996. Chlorofluorocarbons in the East Sea (Sea of Japan), Suppl. to EOS, Trans., AGU, Vol.76 (46):F352-F353.
- Min, D.-H. and R.F. Weiss. 1996. Chlorofluorocarbons in South Indian Intermediate Water, Suppl. to EOS, Trans., AGU, Vol.76 (3), OS128.

Min, D.-H. 1996. Chlorofluorocarbons in the South Pacific Ocean: Tracers of circulation and ventilation, WOCE Pacific workshop, Newport Beach, CA.

Institutional Seminars

Min, D.-H. 2011. Understanding decadal-scale changes of ocean ventilation: A case study at the East Sea (Sea of Japan), Department of Environmental Engineering, Texas A&M University Kingsville, Kingsville, Texas.

Liu, Z., T. Villareal, D.-H. Min, P. Thomas, T. Quinn & L. Fuiman, 2011. Special Panel: The Deepwater Horizon Oil Spill, UTMSI Public Lecture Series, Port Aransas, TX.

Min, D.-H. 2008. The phantom of oxygen: In pursuit of large-scale dissolved oxygen variability in the world oceans in response to climate change, POSTECH University, Korea.

Min, D.-H.. Detection of decadal-scale oxygen variability in the world's deep ocean in response to recent climate change: Few examples from marginal seas to open oceans, Department of Oceanography, Texas A&M, College Station, March 2007.

Min, D.-H. 2007. Ocean's Deep Breath in the Warming World, UTMSI Marine Science Advisory Council.

Dunton, K., W. Gardner, T. Pease, D.-H. Min, and J. McClelland. 2007. Special Panel: Ask a Scientist - Climate Change, UTMSI Public Lecture Series, Port Aransas, Texas.

Min, D.-H. 2004. Are we seeing early warning signs of ocean circulation changes? The cases of oxygen changes in the Southern Ocean and in the East Sea (Sea of Japan), Marine Science Institute, The University of Texas at Austin, Port Aransas, TX.

Min, D.-H. 2003. Decadal-scale ventilation rate changes and anthropogenic tracer observations in the East Sea (Sea of Japan), Dept. Oceanography, Florida State University, Tallahassee, FL.

Min, D.-H. 2002. Constraining the East Sea (Sea of Japan) circulation with CFC observations: A simple non-steady state model for the observed decadal-scale changes in ventilation rates and chemical properties, School of Oceanography, Univ. of Washington, Seattle, WA.

Min, D.-H. 2001. Constant ventilation age of thermocline water in the eastern subtropical North Pacific Ocean from chlorofluorocarbon measurements over a 12-year period, Dept. Oceanography, Seoul National University, Seoul, Korea.

Min, D.-H. 2001. Recent new findings of deep water circulation and ventilation in the East Sea, Korean Ocean Research & Development Institute, Korea.

Min, D.-H. 1999. Circulation and ventilation of the Labrador Sea Water in the subpolar North Atlantic derived from distributions of chlorofluorocarbons, School of Oceanography, University of Washington, Seattle, WA.

PARTICIPATION IN SCIENTIFIC EXPEDITIONS

- 2010 Hawaiian Time Series (HOT) expedition 225, R/V Kilo Moana, Pacific Ocean, Scientist
 2007-08 Repeat Hydrography P18 leg1, R/V Ronald Brown, Pacific Ocean, Co-Chief Scientist
 2006 Omega06, R/V Longhorn, Gulf of Mexico, Scientist
 2004 Repeat Hydrography P02 leg2, R/V Melville, North Pacific Ocean, Co-Chief Scientist
 1999 *JES KH36-1*, R/V Prof.Khromov, East Sea (Sea of Japan), Postdoctoral Research Associate
 1999 *JES Hahnaro-7*, R/V Revelle, East Sea (Sea of Japan), Postdoctoral Research Associate
 1997 *WOCE/ACCE A24*, R/V Knorr, North Atlantic Ocean, Graduate Student Researcher
 1996 *CREAMS*, R/V Prof. Khromov, East Sea (Sea of Japan), Graduate Student Researcher
 1995 *WOCE I3*, R/V Knorr, South Indian Ocean, Graduate Student Researcher
 1994 *CalCOFI 9408*, R/V New Horizon, North Pacific Ocean, Graduate Student Researcher
 1992 *JMJ*, R/V Tamgu, East Sea (Sea of Japan), Researcher
 1991 *Environ. Study of Ocean Dumping*, M/V TaeWon, Yellow Sea, Researcher
 1991 *Environ. Study of Ocean Dumping*, M/V HaeDong, East Sea (Sea of Japan), Researcher
 1989 *Environ. Study of Ocean Dumping*, M/V TaeWon, Yellow Sea, Researcher
 1989 *Environ. Study of Ocean Dumping*, M/V HaeDong, East Sea (Sea of Japan), Researcher
 1989 *HD89*, M/V HaeDong, East Sea (Sea of Japan), Researcher
 1989 *DangJin*, F/V noname, Yellow Sea, Graduate Student
 1988 *DangJin*, F/V noname, Yellow Sea, Graduate Student
 1988 *HBD88*, T/V Hanbada, East Sea (Sea of Japan), Graduate Student
 1988 *BK88*, T/V Baekyung, South & East China Seas, Graduate Student
 1988 *Ildo*, F/V noname, Yellow Sea, Graduate Student
 1987 *KR87-1,-2,&-3*, F/V DaeYoung, Keum River Estuary, Korea, Graduate Student
 1986 *ChoongMoo*, CGC 00, South Sea, Korea, Undergraduate Student
 1986 *DongNamHaeYuk*, T/V Hanbada, East Sea (Sea of Japan), Undergraduate Student
 1986 *GwangYang*, F/V noname, South Sea, Korea, Undergraduate Student
 1986 *KR86*, F/V DaeYoung, Keum River Estuary, Korea, Undergraduate Student
 1983 *JAWONDO*, R/V Chonnam 401, Yellow Sea, Undergraduate Student

GRANTS & CONTRACTS

Current and Previous Funding

National Science Foundation via Subcontract from the University of Washington, “US GO-SHIP 2021-2026 Repeat Hydrography, Carbon, and Tracer Measurements,” \$896,568. (2021-2026). PI.

National Science Foundation via Subcontract from the University of Washington, “Global Ocean Repeat Hydrography, Carbon, and Tracer Measurements, 2015-2020,” \$656,692. (2015-2020). PI.

Korea Institute of Ocean Science & Technology, “Application of gas tracers to ocean biogeochemistry and circulation studies,” (2017-2018, PI Dr. Tae-Wook Kim).
 International Advising Collaborator

- National Science Foundation via Subcontract from the Columbia University. “Collaborative Research: Global Ocean Repeat Hydrography, Carbon and Tracer Measurements, 2009-2014 (OCE 0752970),” \$474,947. (1/1/2009-12/31/2014, no cost extension till 2/2019). PI.
- National Science Foundation. “REU Site: Field Experiences in South Texas Coastal Dynamics (OCE-0754750),” \$290,802. (1/1/2011-12/31/2013), Senior personnel.
- Texas Water Development Board. “Gulf Inlet Monitoring,” \$10,000. (03/01/2011-2/28/2012). PI.
- The University of Texas at Austin Research Grants Program. “Is marine plankton responsible in removing dissolved carbon tetrachloride in the ocean?” \$6,000. (10/1/2009-8/31/2010). PI.
- National Science Foundation via Subcontract from the University of California San Diego. “Student Participation in P6 leg1, CLIVAR/CO2 Repeat Hydrography Program,” \$8,430. (09/01/2009-01/16/2010). PI.
- Texas Water Development Board. “Monitoring Gulf-Bay water exchanges and other conditions off the south jetty of Port Aransas (#1004831010),” \$10,000. (03/01/2010-2/28/2011). Co-PI.
- The University of Texas at Austin ~FAST TEX Program. “Web-based interactive instructional tool for marine and watershed environmental sciences in Texas,” (One year support for undergraduate student technician). (8/31/2009-5/31/2010 deferred indefinitely due to the University budget situation). PI.
- Texas Water Development Board. “Gulf Inlet Monitoring (Aransas Pass),” \$10,000. (03/01/2009-2/28/2010). Co-PI.
- National Science Foundation. “REU Site: Field Experiences in South Texas Coastal Dynamics,” (1/1/2008-12/31/2010), Senior personnel.
- National Science Foundation via Subcontract from the University of California San Diego. “Collaborative Research: US Global Ocean Carbon and Repeat Hydrography Program (OCE 02-23869),” \$33,827. (12/01/2007-2/29/2008). PI.
- The University of Texas at Austin Summer Research Assignment (SRA). “Decadal-scale variability of temperature, salinity, and dissolved oxygen in the Gulf of Mexico during the past four decades,” \$16,818. (07/01/2007-08/31/2007). PI.
- Keller Scientific Consulting, L.L.C. (K.S.C., L.L.C.). “Detecting Oxygen Trends in the Southern Ocean,” \$80,000. (2/2004-2/2005). Co-PI w/Klaus Keller, Penn State University.
- National Science Foundation via Subcontract from the University of California San Diego, “Collaborative Research: Global Ocean Repeat Hydrography, Carbon, and Tracer Measurements, P02, 2004,” \$13,638.00. (01/01/2003-12/31/2004). PI.
- Keller Scientific Consulting, L.L.C. (K.S.C., L.L.C.). “A Probabilistic Estimate of Oceanic CO₂ Sinks Constrained by CFC Observations,” \$30,000. (6/2003-6/2004). Contributor w/Klaus Keller, Penn State University.
- KOSEN (The Global Network of Korean Scientists and Engineers). “Recent advanced ocean tracer analysis techniques for climate change studies,” \$1,000. (11/2002-02/2003). PI.

Submitted Proposals

PUBLICATIONS (* = invited)Refereed Scientific Journals

- Rhew, R. C., Whelan, M. E., and Min, D.-H. 2014. Large methyl halide emissions from south Texas salt marshes, *Biogeosciences*, 11, 6427-6434, doi:10.5194/bg-11-6427-2014.
- Kim, I.-N., D.-H. Min and A. Macdonald. 2013. Water column denitrification rates in the oxygen minimum layer of the Pacific Ocean along 32S and their significance to the Pacific nitrogen budget. *Global Biogeochemical Cycles*, 27:1-12, doi:10.1002/gbc.20070
- Kim, I.-N. and D.-H. Min. 2013. Physical and biogeochemical controls on temporal variability of summertime denitrification rates in the hypoxic coastal ocean. *Continental Shelf Research*, 66: 49-57, <http://dx.doi.org/10.1016/j.csr.2013.07.005>.
- Whelan, M., D.-H. Min and R. Rhew. 2013. Salt marsh vegetation is a carbonyl sulfide (COS) source to the atmosphere. *Atmospheric Environment*. 73, 131-137, doi:10.1016/j.atmosenv.2013.02.048.
- Kim, I.-N., D.-H. Min and T. Lee. 2012. Implication of deep nitrate deficit observed in the highly oxygenated East/Japan Sea. *Terr. Atmos. Ocean. Sci. Journal*, 23(6), 671-683, doi:10.3319/TAO.2012.08.11.01(Oc).
- Kim, I.-N., D.-H. Min, D.-H. Kim, and T. Lee. 2011. Investigation of the physicochemical features and mixing of East/Japan Sea Intermediate Water: An isopycnic analysis approach. *Journal of Marine Research*, 68, 799-818.
- Kim, I.-N., D.-H. Min, and T. Lee. 2010. Estimates of basin-specific oxygen utilization rates (OURs) in the East Sea (Sea of Japan). *The Sea, Journal of the Korean Society of Oceanography*, 15(2), 86-96 (in Korean).
- Min, D.-H., M.J. Warner and J.L. Bullister. 2010. Estimated rates of carbon tetrachloride removal in the thermocline and deep waters of the East Sea (Sea of Japan). *Marine Chemistry*. 121,100-111, doi: 10.1016/j.marchem.2010.03.008.
- LeBel D.A., W.M. Smethie, Jr., M. Rhein, D. Kieke, R.A. Fine, J.L. Bullister, D.-H. Min, W. Roether, R.F. Weiss, C. Andrie, D. Smythe-Wright, and E.P. Jones. 2008. The formation rate of North Atlantic Deep Water and Eighteen Degree Water calculated from CFC-11 inventories observed during WOCE. *Deep-Sea Research I*, 55, 891-910.
- Mecking, S., C. Langdon, R.A. Feely, C.L. Sabine, C.A. Deutsch, and D.-H. Min. 2008. Climate variability in the North Pacific thermocline diagnosed from oxygen measurements: An update based on the U.S. CLIVAR/CO₂ repeat hydrography cruises. *Global Biogeochemical Cycles* 22,GB3015, doi:10.1029/2007GB003101.
- Fine, R.A., W.M. Smethie, Jr., J.L. Bullister, M. Rhein, D.-H. Min, M.J. Warner, A. Poisson, and R.F. Weiss. 2008. Decadal Ventilation and Mixing of Indian Ocean Waters. *Deep Sea Research I* 55:20-37.

- Park, G.-H., K. Lee, P. Tishchenko, D.-H. Min, M.J. Warner, L.D. Talley, D.-J. Kang, and K.-R. Kim. 2006. Large accumulation of anthropogenic CO₂ in the East (Japan) Sea and its significant impact on carbonate chemistry. *Global Biogeochemical Cycles* 20, GB4013, doi:10.1029/2005GB002676.
- Talley, L., D.-H. Min, V. Lobanov, V. Luchin, V. Ponomarev, A. Salyuk, A. Shcherbina, P. Tishchenko, and I. Zhabin. 2006. Japan/East Sea water masses and their relation to the circulation. *Oceanography* 19(3):32-49.
- Min, D.-H. and K. Keller. 2005. Errors in estimated temporal tracer trends due to changes in the historical observation network: A case study of oxygen trends in the Southern Ocean. *Ocean and Polar Research* 27(2):189-195.
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- Talley, L.D., P. Tishchenko, V. Luchin, A. Nedashkovskiy, S. Sagalaev, D.-J. Kang, M. Warner, and D.-H. Min. 2004. Atlas of Japan (East) Sea hydrographic properties in summer, 1999. *Progress in Oceanography* 61:277-348.
- Min, D.-H., J.L. Bullister, and R.F. Weiss. 2002. Anomalous chlorofluorocarbons in the Southern California Borderland Basin. *Geophysical Research Letters* 29(20):1955, doi: 10.1029/2002GL015408.
- Rhein, M., J. Fischer, W.M. Smethie Jr., D. Smythe-Wright, R.F. Weiss, C. Mertens, D.-H. Min, U. Fleischmann, and A. Putzka. 2002. Labrador Sea Water: Pathways, CFC - Inventory and Formation Rates. *Journal of Physical Oceanography* (special edition) 32:648-665.
- Kim, K., K.-R. Kim, D.-H. Min, Y. Volkov, J.-H. Yoon, and M. Takematsu. 2001. Warming and Structural Changes in the East (Japan) Sea: A Clue to Future Changes in Global Oceans? *Geophysical Research Letters* 28:3293-3296.
- Min, D.-H., J.L. Bullister, and R.F. Weiss. 2000. Constant ventilation age of thermocline water in the eastern subtropical North Pacific Ocean from chlorofluorocarbon measurements over a 12-year period. *Geophysical Research Letters* 27:3909-3912.
- Kim, K.-R., K. Kim, D.-J. Kang, S.-Y. Park, M.-K. Park, Y.-G. Kim, H.-S. Min, and D.-H. Min. 1999. The East Sea (Japan Sea) in change: A story of dissolved oxygen. *Marine Technology Society Journal* 33:15-22.
- Cho, H.-M., M.-K. Park, J.-C. Nam, D.-H. Min, K.-R. Kim, B.-H. Song, B.-S. Kim, S.-K. Kim, and Y.-S. Chong. 1995. Trends of background concentration of atmospheric carbon dioxide in Korea. *Journal of Korean Meteorological Society* 31:301-312 (in Korean).
- Kim, K.-R., D.-H. Min, M.-K. Park, E.-H. Kim, S.-H. Choi, H.-M. Cho, and J.-C. Nam. 1994. A study on monitoring for CFC-12 and CFC-11 in the atmosphere near Mt. Kwan-Ak. *Journal of Korea Air Pollution Research Association* 10:41-48. (in Korean).

Technical Reports

- Haberer, J., and P. Montagna (Edited: H. A. Herrick and D.-H. Min). 2018. Introduction to Oceanography Laboratory Manual MNS 307 Fall 2018-Spring 2019 Edition. [wrote a new lab section & re-arranged the section sequence]

- Rhew, R.C., M.E. Whelan, and D.-H. Min. 2014. Large methyl halide emissions from south Texas salt marshes, *Biogeosciences Discussion*, 11, 9451-9470, doi:10.5194/bgd-11-9451-2014.
- *Min, D.-H. 2003. Recent advanced ocean tracer analysis techniques for climate change studies, *KOSEN Advanced Technology Report*.
- Min, D.-H. and M.J. Warner. 2001. Unexpected bottom water ventilation pattern observed in the Japan Basin, *Proceedings of 2001 CREAMS International Symposium*, Honolulu.
- Min, D.-H. and M.J. Warner. 2001. Ventilation and wide-range spreading of East Sea Intermediate Water, *Proceedings of 2001 CREAMS International Symposium*, Honolulu.
- Min, D.-H. and M.J. Warner. 2001. Chlorofluorocarbons as circulation and ventilation tracers in the East (Japan) Sea, *Proceedings of CREAMS 2000 International Symposium*, Vladivostok, ed. M.A. Danchenkov, 112-113.
- Kim, K.-R., D.-H. Min, M.-K. Park, E.-H. Kim, S.-H. Choi, T.-S. Rhee, J.-S. Hwang, J.-H. Bong, H.-M. Cho, and J.-C. Nam. 1993. Recent research on the CFCs monitoring in Korea, *Proceedings of Korea-Japan Ozone Layer Protection Seminar*, Seoul, 1-12.
- Kim, K.-R., D.-H. Min, M.-K. Park, E.-H. Kim, S.-H. Choi, J.-S. Hwang, T.-S. Rhee, J.-H. Bong, H.-M. Cho, J.-C. Nam, C.D. Keeling and R.F. Weiss. 1993. Basic research of greenhouse gases monitoring system in Korean peninsula, *Report of Department of Oceanography, Seoul National University*.

Popular and Miscellaneous Articles

- Min, D.-H. 2006. Hidden weapon of hurricane, *Gulf Coast Connections: Texas Saltwater Fishing*, September 2006, p44. - also available at <http://scienceandthesea.org>

Papers in Press or Submitted for Publication

Papers in Preparation