

2015

Society of Environmental
Toxicology and Chemistry


ANNUAL REPORT



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THIS IS AN INTERACTIVE DOCUMENT.

When you hover over text or images and see , be sure to click for more information.



WHO WE ARE

MEMBERSHIP SOCIETY

- SETAC Members
- Global Partners and Affiliates
- Geographic Unit Sustaining and Affiliate Members and Partners
- Tripartite Balance Among Academia, Business and Government

GOVERNED BY

- SETAC World Council
- Leadership Boards
- Global Committees
- Geographic Units
- Regional Chapters and Branches

WORKING TO ACHIEVE

Environmental Quality
Through Science®

PROVIDING

- International Activities
- Professional Training
- Workshops
- Advisory Groups
- Meetings
- Publications

MISSION

About the Society

The Society of Environmental Toxicology and Chemistry (SETAC) is a not-for-profit, global professional organization comprised of some 6,000 members and institutions dedicated to the study, analysis and solution of environmental problems, the management and regulation of natural resources, research and development, and environmental education.

Since 1979, the society has provided a forum where scientists, managers and other professionals exchange information and ideas.

SETAC's founding principles are:

- Multidisciplinary approaches to solving environmental problems
- Tripartite balance among academia, business and government
- Science-based objectivity

SETAC IS IMPLEMENTING THIS MISSION WORLDWIDE.

Tripartite in Science and Governance

In addition to its globally respected science, SETAC's tripartite character is the society's principal calling card, providing a quality forum on environmental issues for communication and interaction among professionals on a multisector, interdisciplinary and multinational basis. This tripartite aspect—relying on a fundamental balance of scientific participation among government, academia and business—adds a unique strength to governance and objectivity at SETAC meetings, workshops, advisory groups and publications, and is critical for policy and societal decision-making.

PRESIDENT'S MESSAGE



**2015 SETAC
PRESIDENT**

**Barnett
Rattner**

SETAC is an international scientific organization with members from nearly 100 countries. We are engaged in the study, analysis and solution of environmental problems, the management and regulation of natural resources, research and development, and environmental education. Our global membership, nearly 6,000 strong, draws upon the best environmental scientists and practitioners from government, business and academia, and uses a tripartite approach in governance and issue engagement. Our science is multidisciplinary, encompassing chemistry, ecotoxicology, engineering, environmental management, life cycle and risk assessment, to name a few of our areas of expertise.

The governing SETAC World Council worked diligently in 2015. Aside from routine budget and management activities, a new strategic plan and a scientific integrity initiative, both led by Vice President Pat Guiney, were launched. Activities in our Global Science Committee and International Programs Committees flourished; and our numerous global advisory groups, covering topics from animal alternatives to wildlife toxicology, are operating at an all-time high. We continue to interact with other scientific societies and non-governmental

organizations to plan and co-sponsor workshops and symposia on topics such as ecosystem services and economic valuation decisions.

SETAC's five geographic units—Africa, Asia/Pacific, Europe, Latin America and North America—and its regional branches and chapters reflect a grassroots culture to ensure that decisions are made with members in mind. Progress on our Global Horizon Scanning Project continues. SETAC-wide activity is to prioritize regional, local and international environmental issues and challenges by surveying our geographic unit networks, and the topics identified will guide future society efforts.

SETAC programs continue to offer professional opportunities in all geographies and across the range of scientific disciplines encompassed by SETAC member interests. Our well-attended annual meetings in key regions of the world are highlights of our scientific programming. In 2015, we held successful events in Barcelona, Buenos Aires, Langebaan and Salt Lake City. Branches and regional chapters hosted meetings throughout the world, including a highly successful Australasia conference in Nelson, New Zealand. In 2015, SETAC conducted two Pellston Workshops® and six other technical symposia and workshops that encouraged scientific dialogue and debates on important and emerging scientific issues that can influence policy decisions. An in-person and online risk assessment training model was developed and delivered to members in Latin America and Africa. Our goal is to add to this impressive story in the years ahead, working towards

the 7th SETAC World Congress/SETAC North America 37th Annual Meeting in 2016 in Orlando, Florida.

SETAC is active in external global initiatives, including the Strategic Approach to International Chemicals Management (SAICM), the United Nations Environment Programme (UNEP) and the International Organization for Standardization (ISO). The highly visible and successful UNEP/SETAC Life Cycle Initiative has resulted in an expanded relationship with UNEP, and we are now working with the UNEP Global Environmental Facility (GEF). This collaboration is creating an online toolkit for developing countries and emerging economies to inventory their mercury exposure sources, and to assist with identifying and prioritizing management approaches to other environmental contaminants and stressors.

Our well-respected journals, Environmental Toxicology and Chemistry (ET&C) and Integrated Environmental Assessment and Management (IEAM), continue to attract leading research and review articles – publishing more than 3,600 pages in 2015. The ET&C impact factor rose to 3.225 and IEAM impressed with its first impact factor at 1.377.

My colleagues and I encourage your active participation in SETAC. Your contributions as individual members, and ours as a professional society, will ensure that SETAC continues to be a scientific leader in addressing environmental issues.

GOVERNANCE

The SETAC World Council is comprised of leaders from all five geographic units. Members representing the executive boards and councils from Africa, Asia/Pacific, Europe, Latin America and North America ensure a global approach on society decisions and directions.

- SETAC is an open and democratic organization and members are represented by elected officials from the geographic unit in which they reside.
- These volunteer boards and councils oversee every aspect of the society, and are supported by three executive directors and a staff of 18.
- SETAC advisory groups and committees, also driven by member volunteers, feed initiatives, opportunities, ideas and direction to the various boards and councils, resulting in a truly grassroots organization.



SETAC World Council in Barcelona (left to right): Pat Guiney, Gertie Arts, David Phillips, Barnett Rattner, Peter Campbell, Gustavo Somoza, Monica Amorim, Kurt Maier, Charles Menzie, Bart Bosveld, Patricia Bi Asanga Fai, Karsten Liber, Mary Reiley, Ross Smith



Meeting of the Student Advisory Council in Barcelona.



SETAC North America Board of Directors in Salt Lake City.



SETAC Europe Council in Barcelona.

PUBLICATIONS

SETAC Globe

The SETAC Globe is an electronic newsletter, reaching more than 7,000 members and subscribers. Newly appointed Globe co-editors Tim Canfield and Bill Goodfellow successfully saw through their first year and covered news written for and by SETAC members, including a special supplementary issue consolidating the session summaries from SETAC Barcelona.

**FIND OUT MORE AT
GLOBE.SETAC.ORG**

SETAC Journals in the News

Metformin exposure at environmentally relevant concentrations causes potential endocrine disruption in adult male fish

Niemuth et al

Covered by LA Times, Newsweek, CNBC and more

Linking drugs of abuse in wastewater to contamination of surface and drinking water

Rodayan et al

Covered by Vice, Huffington Post Canada, Toronto Star and more

Mercury and selenium accumulation in the Colorado River food web, Grand Canyon, USA

Walters et al

Covered by National Geographic, The Weather Channel, Christian Science Monitor and more

IEAM

Integrated Environmental Assessment and Management

PODCASTS

Oil's well that ends well? Brock Bernstein talks rigs-to-reefs and the fate of oil platforms

Brock Bernstein

Reuse it or lose it! Using LCA to quantify the environmental benefits of reuse

Valentina Castellani

What's in your toolbox? Julie Panko talks shop on tools for chemical assessment.

Julie Panko

From the ashes: Using BERA to assess a coal fly ash spill in Tennessee

Suzy Walls

BLOG

The IEAM blog entered its second year, featured 10 new posts and introduced a number of guest editors. Following a special collection of climate change posts, the topics moved to hydraulic fracturing, microbeads, pollinators, asthma, and taking a positive attitude towards tackling environmental issues.

SPECIAL SERIES

- Ecological risk assessment for residual coal fly ash at Watts Bar Reservoir, Tennessee
- SETAC LCA Case Study Symposium 2013
- Offshore platform decommissioning in California



VISIT
IEAMBLOG.COM

ET&C

Environmental Toxicology and Chemistry

PERSPECTIVES

Perspectives are designed to discuss and evaluate potentially competing viewpoints and research findings on current environmental issues. Two or three authors from the tripartite structure of SETAC present their own thoughts and opinions on an issue of national and international importance. Nine Perspectives were published in 2015.

FOCUS ARTICLES

Focus Articles are timely pieces written in a succinct, magazine style, intended to sharpen our understanding of current and emerging topics of interest to the scientific community at large. Six Focus Articles were published in 2015.

Here are three examples:

SPECIAL SERIES

- Metal mixture modeling evaluation
- Risk assessment and regulation of D5 in Canada: Lessons learned

Here are three examples:

- Carbon nanomaterials in the environment: New threats or wonder materials?
- Pollinator risk assessment – Past, present, and future
- Prioritization of emerging pollutants
- Photochemical and microbial transformation of emerging flame retardants: Cause for concern?
- Microplastics: Addressing ecological risk through lessons learned
- A framework for screening sites at risk from contaminants of emerging concern

ADVISORY GROUPS

SETAC advisory groups provide a vital forum for scientific discourse in topical areas across environmental and transdisciplinary science.

In 2015, the 25 SETAC advisory groups sponsored dozens of platform and poster presentations at SETAC meetings, prepared publications and other materials about pressing topics, and provided valuable input to international forums and conventions such as the United Nations Environment Programme (UNEP), the International Organization for Standardization (ISO), the Stockholm Convention and the Minamata Convention on Mercury.



For more information about each group and their activities, visit setac.org/advisorygroups

GLOBAL ADVISORY GROUPS

- Animal Alternatives in Environmental Science
- Bioaccumulation Science
- Chemistry
- Ecological Risk Assessment
- Ecosystem Services
- Ecotoxicology of Amphibians and Reptiles
- Endocrine Disruptor Testing and Risk Assessment
- Exposure Modeling
- Freshwater Salinization
- Global Soils
- Life Cycle Assessment Global Coordinating Group
- Metals
- Nanotechnology
- OMICs
- Pharmaceuticals
- Plants
- Sediment
- Sustainability
- Wildlife Toxicology

NORTH AMERICA ADVISORY GROUPS

- Chemistry
- Human Health Risk Assessment
- Life Cycle Assessment*

EUROPE ADVISORY GROUPS

- Dung Organism Toxicity Testing
- Environmental Monitoring of Pesticides
- Life Cycle Assessment*
- Mechanistic Effect Models for Ecological Risk Assessment of Chemicals
- REACH
- Science and Risk Communication
- Soil Microbiology

*Part of the Life Cycle Assessment Global Coordinating Group

PHOTO CONTEST

These images are the 2015 SETAC photo contest winners, which were announced during the SETAC Salt Lake City meeting. Thank you to all of our participants!



View all finalists and winners at www.setac.org/photocontest



SETAC NORTH AMERICA

SINCE 1979

SETAC Salt Lake City and Other Major Achievements

The SETAC North America 36th Annual Meeting, held from 1-5 November 2015 in Salt Lake City, Utah, boasted excellent science, entertainment and networking opportunities for the more than 1,700 attendees.



Four of the 12 parallel sessions were recorded and can be viewed at setac.sclivelearningcenter.com.

Under the leadership of SETAC North America's president, Mary Reiley, the board published a "go-to society" long-range plan, providing an important road map for the future of the geographic unit. The Public Outreach Committee's Toxic Substances Control Act (TSCA) Dialogue Group organized an introductory course on ecological risk assessment for congressional staffers and has subsequently providing additional scientific input to policy makers. SETAC North America

also established the Senior Resource Group, who will share their historical knowledge and scientific insights on research, service and volunteerism.

Highlights of the meeting included the first Career Navigation Fair for postdocs and recent graduate students and the Global Horizon Scanning Project workshop addressing questions specific to North America.

The SETAC North America Endowment Fund received approximately \$30K in 2015, of which more than a third was donated in memory of long-time member Melissa M. Schultz.

SETAC SALT LAKE CITY IN PICTURES



Attendees discuss a presentation at a poster social.



Carine Clark, President and CEO at MaritzCX, speaks at the Women in SETAC Luncheon.

Four generations of SETAC pose at the "Jail-and-Bail" event, raising money for the SETAC North America Endowment Fund.



SETAC members partnered with Friends of the Great Salt Lake at the Make-A-Difference Service Project.



SETAC EUROPE

SINCE 1989

SETAC Europe 25th Anniversary

The SETAC Europe 25th Annual Meeting in Barcelona, Spain, broke previous attendance records with more than 2,600 delegates from 69 different countries. SETAC Europe, which was formally established in 1989 and held its first meeting in 1991, celebrated its 25th anniversary at the meeting.

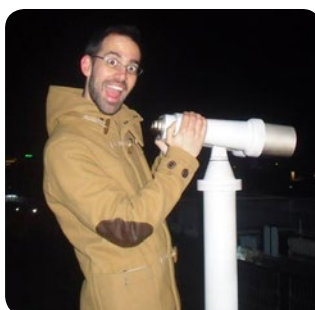
- Continued education was offered through six short courses organized prior to the annual meeting.
- SETAC Europe 11th Special Science Symposium was held in October in Brussels, Belgium, and focused on global environmental change and mercury pollution.



View the "25 Years of SETAC Europe" timeline at se25years.setac.eu.



- The 21st SETAC Europe Life Cycle Assessment Case Study Symposium took place from 12–14 July in Nisyros, Greece. The symposium concentrated on exergy analysis, life cycle assessment and sustainability assessment.
- The 4th Young Environmental Scientist meeting (YES) was organized in Petnica, Serbia, and addressed specific needs of students.



The second SETAC Science Slam was held in Barcelona. Òscar Aznar Alemany of the Spanish National Research Council won with his presentation on Pyrethroids in salmon. Check out the video at goo.gl/ZqzdB2

Outreach and Education



SETAC Europe launched its Certification of Environmental Risk Assessors program, which aims to provide an

internationally recognized standard for environmental risk assessors. It offers education and training for students and professionals. Visit certification.setac.eu.

SETAC Europe's regional branches provide a forum to address the needs of SETAC members at a regional level and in the local language, while promoting the goals and purpose of the parent society. In 2015, seven successful scientific meetings were organized by the regional branches.

For more information about SETAC Europe's regional branches, visit setac.org/?page=SEBranches

SETAC EUROPE SUMMER SCHOOLS

SETAC Europe summer schools in Portugal and in the United Kingdom offered scientists and students up-to-date training and knowledge in environmental toxicology and chemistry.

Find out more at summerschool.setac.eu.



SETAC ASIA/PACIFIC

SINCE 1997

Membership Update

Membership in SETAC Asia/Pacific remains strong with more than 500 active members. To improve customer service, the geographic unit now manages its own registration and renewal process and accepts payments in Australian dollars.

SETAC Asia/Pacific has two regional chapters that provide local network and outreach opportunities for SETAC members: Australasia has been a regional chapter since 2011, and Japan was established in 2015.

Meeting Highlights

The 2015 SETAC Australasia Chapter Conference was held from 25–28 August 2015 in Nelson, New Zealand. The theme, “System Approach to Environmental Management,” was selected to encourage discussions about the growing environmental issues in the Asia/Pacific region.



Attendees gather at the 2015 SETAC Australasia Chapter conference.

Two workshops were offered in conjunction with the meeting. First, the New Zealand Environmental Protection Authority’s Hazardous Substances Group coordinated a workshop to address the regulatory requirements and processes related to research and development in New Zealand. Second, the Australasian workshop for the SETAC Global Horizon Scanning Research Prioritization Project reviewed questions submitted to the region. The meeting also featured an update on the revision of the Australia and New Zealand Water and Sediment Quality Guidelines, a bilateral project that has benefited from the efforts of a number of SETAC members.

SETAC Japan

SETAC Japan held its first seminar, “From Japan to Asia: Building Sustainable Society with Industry—Government—Academia Collaboration,” on 14 September 2015 at Sanjo-Kaian, the University of Tokyo, with 40 participants. The seminar was held for individuals who work for companies and universities and who are interested in expanding their environment-related businesses and activities into east Asia.



(Pictured above) SETAC Japan also conducted a visit for 10 members to Jakarta, Indonesia, from 30 Nov.–2 Dec. 2015, where the delegates learned about water purification systems utilizing used bottles, the problems facing managing municipal solid waste for Jakarta and surrounding cities, and visited the Indonesian government’s Environmental Management Center.



SETAC representatives organized a double session on “Ecological Risk Assessment in Tropical Asia/Pacific and Other Regions of the Pacific Basin” and presented a short course on ecological risk assessment at the Society for Risk Analysis World Congress, which was held from 19–23 July in Singapore.



SETAC LATIN AMERICA

SINCE 1999

SETAC Buenos Aires – An Exciting Latin American Experience

The SETAC Latin America 11th Biennial Meeting was celebrated from 7-10 September in Buenos Aires, Argentina.

The meeting attracted more than 450 participants from 22 countries, with a strong presence from academia and an increased participation from the government and business sectors.

The final program included four short courses and 23 sessions, and a total of 550 abstracts were presented.

The scientific program included talks by internationally recognized scientists such as Bryan Brooks, Damià Barceló, Terry Boyle, Paulo Saldiva, Mary Reiley and Vance Trudeau. An especially memorable moment was a live video conference with John Giesy, who wasn't able to attend

the meeting in person.

For the first time at a SETAC Latin America meeting, students organized a mentoring lunch, and another new activity was the “mate debate,” an informal talk with a senior researcher, featuring Fernanda Simoniello. The meeting also included the Latin American workshop of the Global Horizon Scanning Prioritization Project, which was conducted during the first day of the meeting.

As a result of a successful meeting, participants were invited to submit their presentations for a publication in ET&C.



Many students were able to attend the SETAC Latin America meeting thanks to several grants.



Members gather at the poster social during the meeting.



Attendees were treated to a tango show at the closing ceremony.



Meeting attendees and supporting staff pose at the SETAC Latin America meeting.

Upcoming Meeting

SETAC LATIN AMERICA 12TH BIENNIAL MEETING

Santos, Brazil | Fall 2017

2015 – The Turning Point for SETAC Africa

The 7th SETAC Africa Conference was held from 4–8 October 2015 in Langebaan, South Africa. The meeting featured two prominent keynote speakers, Stephen Klaine and Augustine Arukwe.

Seventy-four participants from 15 countries around the world attended the conference. Five African countries were represented: South Africa with the highest number of participants and Nigeria following suit. The poster social was both interactive and impressive.

SETAC donated several books, which were given as prizes to the six best student presentations.

Global Horizon Scanning Project Workshop

The Global Horizon Scanning Project Workshop was led and coordinated by Victor Wepener and Bryan Brooks. Questions of interest for Africa and related to the Langebaan meeting were addressed. The project was first introduced at the 6th SETAC Africa Conference in 2013 in Lusaka, Zambia.

Next Biennial Conference – Nigeria 2017

In February 2015, SETAC Africa members in Nigeria, led by Ike Onwurah and Wale Otitoju, organized a regional conference to raise awareness in the Central and Western regions of Africa about SETAC. This was also a first step towards the next biennial SETAC Africa conference, which will be held in October 2017 in Nigeria. The conference theme will address “The Quality of African Environment: The Roles of Science, Industry and Regulators.”



(Top) SETAC Africa conference attendees gather for the opening ceremony.



(Left) Participants socialize during a poster social in Langebaan.



(Bottom) SETAC Africa Council members..



THANK YOU TO ALL OUR MEMBERS FOR ANOTHER SUCCESSFUL YEAR!



2015 MEETINGS, WORKSHOPS AND SYMPOSIA

SETAC North America 36th Annual Meeting

1-5 November | Salt Lake City, UT, USA
slc.setac.org

*Buzzing with Science: Cross-Pollination
for Environmental Progress*

SETAC Pellston Workshop®

30 August-4 September
Shepherdstown, WV, USA

*Improving the Usability of Ecotoxicology
in Regulatory Decision-Making*

SETAC Latin America 2015 Meeting

7-10 September | Buenos Aires, Argentina

The Role of Science in Environmental Decision-Making

25th SETAC Europe Annual Meeting

3-7 May | Barcelona, Spain
barcelona.setac.eu

*Environmental Protection in a Multi-stressed
World: Challenges for Science, Industry and
Regulators*

SETAC Pellston Workshop®

22-27 March | Valencia, Spain

*Simplifying Environmental Mixtures: An
Aquatic Exposure-based Approach via
Exposure Scenarios*

SETAC Europe Workshop

21-22 September | Wageningen, The Netherlands

*Non-Target Terrestrial Plant Workshop
Risk Assessment and Management*

21st SETAC Europe LCA Case Study Symposium

12-14 July | Nisyros, Greece
lca2015.setac.eu

*Exergy Analysis, Life Cycle assessment (LCA)
and Sustainability Assessment (LCSA): Method
Development and Case Studies*

4th Young Environmental Scientists Meeting (YES)

14-19 March | Petnica, Serbia
yes2015.setac.eu

7th SETAC Africa Conference

4-8 October | Langebaan, South Africa | saf2015.setac.eu

*Identifying Knowledge Gaps and Research Priorities in Africa:
A Pivot for Sustainable Environmental Development*

SETAC Europe Workshop

15-16 July | Brussels, Belgium

*Chemicals: Assessment of Risks to
Ecosystem Services (CARES)*

11th SETAC Europe Special Science Symposium

20-21 October | Brussels, Belgium | sesss11.setac.eu

*Global Environmental Change and Mercury
Pollution: Environmental Governance, Research and
Management of Converging Issues*

2016 MEETINGS

SETAC Pellston Workshop®

24–29 January | Valencia, Spain

Co-organised with the SETAC-UNEP Life Cycle Initiative:
Life Cycle Impact Assessment

SETAC Pellston Workshop®

31 January–5 February | Pensacola, FL, USA

Environmental Hazard and Risk Assessment
Approaches for Endocrine-Active Chemicals

SETAC Europe Workshop

16–17 February | Montpellier, France

Improving Representation, Management and Mitigation of Spray Drift for Plant
Protection Products in Arable Crops (DRAW)

5th Young Environmental Scientists Meeting

28 February–2 March | Gainesville, FL, USA

Science in the Swamp

SETAC North America Focused Topic Meeting

17–19 March | Denton, TX, USA | fracking.setac.org

Environmental Quality Implications of Unconventional Natural Gas Development

2nd CARES Workshop

3–4 May | Brussels, Belgium

Chemicals: Assessment of Risks to Ecosystem Services (CARES)

12th SETAC Europe Special Science Symposium

10–12 May | Brussels, Belgium | sesss12.setac.eu

Risk Mitigation Measures, Risk Assessment and Labelling
in the EU 28: Introduction to the MAgPIE Toolbox

SETAC Europe 26th Annual Meeting

22–26 May | Nantes, France | nantes.setac.eu

Environmental Contaminants from Land to Sea: Continuities
and Interface in Environmental Toxicology and Chemistry

SETAC/iEOS Joint Focused Topic Meeting

12–15 September | Ghent, Belgium | epigenetics.setac.org

Environmental and (eco)toxicological Omics and Epigenetics: Science, Technology
and Regulatory Applications

10th SETAC Asia/Pacific Conference

16–19 September | Singapore | setac-singapore2016.org

Managing Environmental Quality in the Asian Century

22nd SETAC Europe LCA Case Study Symposium

20–22 September | Montpellier, France | lca2016.setac.eu

Life Cycle Innovation for the Transition to a Sustainable Society

7th SETAC World Congress/ SETAC North America 37th Annual Meeting

6–10 November | Orlando, FL, USA | orlando.setac.org

Fostering Environmental Science for an Ever-changing World



Find out more about SETAC
geographic unit and regional chapter
and branch meetings, workshops and
symposia at setac.org.

GLOBAL AWARDS

SETAC recognizes and honors outstanding contributions of individuals or groups of individuals to the environmental sciences and to the society through its awards program.

SETAC also recognizes and honors the participation of students and early career researchers, using society resources to enhance their professional development. Candidates may be self-nominated or nominated by another individual.



Visit setac.org/awards for more information on the awards and nomination process.



Founders Award
Charles Tyler
University of Exeter

The Founders Award is the highest honor SETAC can bestow. It is given to an individual whose outstanding career and significant contributions to environmental science reflect the goals of SETAC.



Herb Ward Exceptional Service Award
Joke van Wensem
Soil Protection Technical Committee

Renamed in 1999 to honor Environmental Toxicology and Chemistry's founding Editor-in-Chief C. Herb Ward for his important contributions to the founding and development of SETAC, this award recognizes a SETAC member who has performed long-term, exceptionally high-quality service to the society.



SETAC/ICA Chris Lee Award
Anne Cremazy
University of British Columbia

Jointly sponsored by SETAC and the International Copper Association, this award provides up to \$5,000 to a graduate student or recent graduate whose ongoing research focuses on fate and effects of metals in the environment.



SETAC/Procter & Gamble Fellowship
Evelyn Stickens
University of Antwerp

This \$15,000, 1-year grant, sponsored by Procter & Gamble, is bestowed annually, and rotates among the five SETAC geographic units. The Fellowship will recognize a student enrolled in a doctoral program at a European or African university.

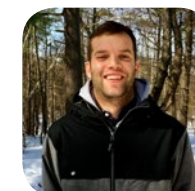
SETAC Journal Best Paper Awards

Recognizing innovative or creative papers with transparent, reproducible, rigorous and relevant science.



Environmental Toxicology and Chemistry
Best Student Paper Award
Sponsored by Colgate-Palmolive
Francesca Gissi
CSIRO

A robust bioassay to assess the toxicity of metals to the Antarctic marine microalga *Phaeocystis Antarctica*
Francesca Gissi, Merrin Adams, Catherine King and Dianne Jolley



Environmental Toxicology and Chemistry
Best Paper Award
Matthew J. Binnington
University of Toronto

Clarifying relationships between persistent organic pollutant concentrations and age in wildlife biomonitoring: Individuals, cross-sections, and the roles of lifespan and sex. Matthew J. Binnington and Frank Wania



Integrated Environmental Assessment and Management Best Paper Award
David Janz
University of Saskatchewan

Integrative assessment of selenium speciation, biogeochemistry, and distribution in a northern coldwater ecosystem. David M. Janz, Karsten Liber, Ingrid J. Pickering, Cheryl I.E. Wiramanaden, Shari A. Weech, Maria Gallego-Gallegos, Melissa K. Driessnack, Eric D. Franz, Meghan M. Goertzen, James Phibbs, Justin J. Tse, Kevin T. Himbeault, Erin L. Robertson, Charlene Burnett-Seidel, Kent England and Anne Gent



EUROPE AWARDS



RifCon Best Paper Award in Ecotoxicology

Hannah Schug

Eawag

"Effect of TiO₂ nanoparticles and UV radiation on extracellular enzyme activity of intact heterotrophic biofilms," published in Environmental Science and Technology.



Eurofins Best Paper Award in Chemical Analysis and Environmental Monitoring

Martina Pini

University of Modena and Reggio Emilia

"Life Cycle Assessment of nano - TiO₂ functionalized building materials extended to historical buildings," published in The Royal Society of Chemistry (Green Chemistry).



SETAC Best Paper Award in Risk Assessment, Modeling and Theoretical Studies

Thomas Schaubroeck

Ghent University

"Multilayered modeling of particulate matter removal by a growing forest over time, from plant surface deposition to washoff via rainfall," published in Environmental Science and Technology.



SETAC Europe/ NOACK-Laboratories Environmental Education Award

Kees van Gestel

VU University Amsterdam

SETAC Europe Young Scientist Awards

Honoring a young scientist (MSc student, within three years from graduation or PhD student) for the best platform and poster presentation at the SETAC Europe annual meeting.



ECETOC Best Platform

Daniela Batista

University of Minho

Pollution induced community tolerance of microbial decomposers to silver nanoparticles



SETAC Europe Best Poster

Fabian Fischer

Centre for Environmental Research

PTR-ToF-MS as novel tool for real-time tracking nanopalladium(0)-catalyzed transformation reactions of persistent organohalogen compounds

NORTH AMERICA AWARDS



SETAC Government Service Award

Fengchang Wu

Chinese Research Academy of Environmental Science

Recognizing exemplary dedication and service by a scientist toward promoting the collective application of environmental toxicology and chemistry to risk assessment in a government function.



Eugene Kenaga SETAC Membership Award

Paul Sibley

University of Guelph

The Eugene Kanaga Award is given annually to any member that provides leadership and development opportunities to the members of SETAC at either the national or chapter level.



SETAC/Menzie Environmental Education Award

Kenneth Sajwan

Savannah State University

This year the award, sponsored by the Menzie family, targeted improving environmental science curricula and technical education at any level of the educational system and supporting innovative educational programs that encouraged and stimulated the professional development of environmental scientists.

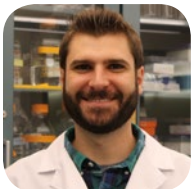


Outstanding Regional Chapter Member Award

David Kent

Science Traveler

This award goes to a North America regional chapter member who consistently contributes to the development of the society at the chapter level and who has improved the chapter's services.



SETAC/EA Jeff Black Fellowship Award

Timothy Bock

Rhode Island College

Jointly sponsored by EA Engineering, Science, and Technology, Inc. and SETAC, this fellowship provides \$2,000 to an outstanding Master's level student engaged in any field of study encompassed by SETAC.



OTHER AWARDS

Student Travel Awards

SETAC NORTH AMERICA ENDOWMENT FUND

PhD

Bethany DeCourten

University of North Carolina, Wilmington

Masters

Sharon Hartzell

University of Maryland College Park

Undergraduate

Leah Cuscito

University of Winnipeg

SETAC Asia/ Pacific Awards

Best Student Poster Presentation

Abigael Proctor

University of Tasmania

SETAC AU Early Career Medal

Melanie Trenfield

Australian Institute of Marine Science

SETAC AU Mid-Career Medal

Emma Johnston

University of New South Wales

SETAC AU Honours Prize

Francesca Gissi and Megan Gillmore

CSIRO

SETAC AU Postgrad Research Publication Award

Philip Scott

Griffith University

Best Student Oral Presentation Nelson Conference

Clare Death

University of Melbourne

Best Student Poster Presentation Nelson Conference

Abigael Proctor

University of Tasmania

SETAC Latin America Awards

Best Graduate Student Presentation, Sponsored by
ArcelorMittal

Paloma G Choueri

São Paulo State University

SETAC Europe provided travel and registration grants to 20 students to go to the Barcelona meeting. SETAC Africa provided 10 travel and registration grants to scientists to participate to the Langebaan meeting.



Visit setac.org/awards
for more information
on the awards and
nomination process.

GLOBAL PARTNERS AND AFFILIATES

SETAC Global Partners



We want to thank all of our SETAC partners helping ensure our goal of Environmental Quality Through Science®

SETAC Global Affiliates



The SETAC Global Partners Program—the premier level of SETAC support—is an invaluable part of our scientific community. SETAC Europe Partners and Nonprofit Partners, and SETAC North America Sustaining Members and Affiliates foster the Society’s mission at the geographic unit level. They are actively engaged in helping SETAC build valuable partnerships to explore emerging areas of science. Thanks to them, the society’s mission is carried out around the world.



SETAC North America Sustaining Members



SETAC Europe Partners



SETAC North America Affiliate Members



SETAC Europe Nonprofit Partners



FINANCIALS

SETAC invests in students, recent graduates and developing country members by subsidizing dues, student travel and meeting registration fees. Assets also support outreach and education efforts in line with the SETAC mission and geographic unit goals of Environmental Quality Through Science®.

The SETAC World Council and the SETAC geographic units operate as separate financial entities. This unaudited summary of financial performance has been consolidated into US dollars and is provided for information only.

Net Assets

\$493,357

Total Assets

\$287,115

Total Liabilities

\$793,758

	OPERATING REVENUE	OPERATING EXPENSES
Europe	\$1,910,896	\$1,854,520
North America	\$1,690,086	\$1,674,295
World Council	\$1,450,559	\$1,453,755
Asia/Pacific	\$16,490	\$9,482
Other	\$55,675	\$55,675
Total	\$5,123,706	\$5,047,727

	SOURCES OF REVENUE	AREAS OF EXPENSES
Annual Meetings	\$2,341,027	\$1,918,595
Workshops/Programs	\$518,164	\$458,395
Membership	\$997,179	\$98,262
Publications	\$483,063	\$481,142
Other	\$784,273	\$2,091,333
Total	\$5,123,706	\$5,047,727



ENVIRONMENTAL QUALITY
THROUGH SCIENCE®

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