Prizes
Ed Stelcer, Armand Atanacio and David Cohen received the Clean Air of Australia and New Zealand (CASANZ) award for major contribution to the characterisation and understanding of fine particle air pollution in the Sydney Basin over the past 15 years. The award was presented at the CASANZ annual general meeting at the NSW EPA Headquarters in Goulbourn St, Sydney on 25 November.

Books and Book Chapters

Journals
Internally Driven Research


Armand J. Atanacio, David D. Cohen, Bilkis A. Begum, Bangf Nic, Gauri Girish Pandit, Muhayatun Santoso, Jong Myoun Limf, Shamsia Abdul Rahmang, Dagva Shagijambah, Andreas Markwitz, Naila Siddique, Preciosa Corazon B. Pabroak, Lakmadhi Handagiripathirl, Wana Wimlwattanapun, Thu Bac Vuong, Andreas Karydas. The APAD and ASFID: Long-Term Fine and Coarse Atmospheric Ambient Particulate Matter and Source Fingerprint Databases for the Asian Region. Air Quality and Climate Change 50 (2016) 41-49.


Alec Deslandes, Mathew C. Guenette, Lars Thomsen, Mihail Ionescu, Inna Karatchevtsveva, Gregory Lumpkin, Retention and damage in 3C-β SiC irradiated with He and H ions, Journal of Nuclear Materials 469, 187, (2016)


Journals

Externally Driven Research


Justin Maxwell, Jamie Howarth, Marcus Vangergoes, Geraldine Jacobsen, Ian Barber. Timing and importance of arboriculture and agroforestry in a temperate East Polynesia Society, the Moriiori, Rekohu (Chatham Island). Quaternary Science Reviews 149, (2016), 306-325

Anna Lintern; Paul Leahy; Henk Heijnis; Atun Zawadzki; Patricia Gadd; Geraldine Jacobsen; Ana Deletic; David McCarthy. Identifying heavy metal levels in historical flood water deposits using sediment cores. Water Research (2016), pp. 34-46. DOI: 10.1016/j.watres.2016.08.041


Claire L. Kain, Catherine Chagué-Goff, Patricia Gadd, James Goff, Daniela Fierro, Geraldine E. Jacobsen, Atun Zawadzki. Geochemical signatures and source material of marine incursion deposits. (Earth Surface Processes and Landforms, 201642(5) (2017), 763-780. DOI: 10.1002/esp.4020


Kristen Beck, Michael-Shawn Fletcher; Patricia Gadd; Henk Heijnis; Geraldine Jacobsen. An early onset of ENSO influence in the extra-tropics of the southwest Pacific inferred from a 14, 600 year high resolution multi-proxy record from Paddy's Lake, northwest Tasmania. Quaternary Science Reviews, 157, (2107), 164-175.


Conferences

Internally Driven


M.A.C. Hotchkis (invited, fully funded). Recent experiences using Accelerator Mass Spectrometry (AMS) at ANSTO, IAEA Technical Meeting on Bulk Analysis of Environmental Samples for Safeguards, Vienna, Austria, 30 August - 3 September 2016.


Armand Atanacio, David D. Cohen, Eduard Stelcer, Andreas Markwitz. The APAD and ASFID, two long term particulate matter databases for sampling sites across the greater Asia-Pacific region. 12th Australian New Zealand Aerosol assembly (ANAA), Queensland University of Technology, Brisbane, QLD, Australia, 4-5th August 2016.

Mark Hibberd, Melita Keywood, Paul Selleck, David D. Cohen, Eduard Stelcer, Yvonne Scorgie, Lisa Chang. Lower Hunter Particle Characterisation Study. 12th Australian New Zealand Aerosol assembly (ANAA), Queensland University of Technology, Brisbane, QLD, Australia, 4-5th August 2016.

David D. Cohen (invited, fully funded), Black carbon sources and measurement. IAEA/ RCA Regional Workshop on supporting operational procedures and developing capability for new participating countries to expand the regional sampling network. Bandung, Indonesia, 5-9 September 2016.

David D. Cohen (invited, fully funded), Ion Beam Methods for fine particle characterisation. IAEA/ RCA Regional Workshop on supporting operational procedures and developing capability for new participating countries to expand the regional sampling network. Bandung, Indonesia, 5-9 September 2016.
David D. Cohen (invited, fully funded) Eduard Stelcer, Armand Atancio, IAEA/ RCA Regional Workshop on supporting operational procedures and developing capability for new participating countries to expand the regional sampling network. Bandung, Indonesia, 5-9 September 2016.


David Cohen (invited, fully funded), Megavolt accelerator systems for ion beam analysis, Workshop on utilization of ion beam accelerators, Faculty of Science, Kasetsart University, Bangkok, Thailand, 14-15 February 2017.

David Cohen (invited, fully funded), Fine particle – What are they and should we better understand them, Workshop on utilization of ion beam accelerators, Faculty of Science, Kasetsart University, Bangkok, Thailand, 14-15 February 2017.


David Cohen (invited, fully funded), Databases for fine particle characterisation and quantification. IAEA Middle Eastern Country Regional Workshop on Database Development, Vienna, Austria, 24-28 April 2017.

Conferences

Externally Driven Research

RSB Greene, KM Scott, C Strong, E Stelcer and D D Cohen. The importance of IBA in characterizing source-sink relationships in Australian aeolian dust research: examples from case studies. 9th International Conference on Aeolian Research, Mildura, Australia, July 3-8 2016.


Reports


David Child, Michael Hotchkis, Mat Johansen, Atsushi Ikeda, Emily Caffrey. Investigation of radioactive particle contamination at the former British nuclear weapon test sites in Australia, 2nd CRM IAEA CRP K41013: Environmental behaviour and potential biological impact of radioactive particles, Vienna, Austria, 31 August – 4 September 2015.

Mathew Johansen, Richard Banati, Nicholas Howell, David Child, Michael Hotchkis, Jennifer Harrison, Fukushima impact on the Pacific, ANSTO research Highlights 2016

Zeljko Pastuovic, Rainer Siegele, David Cohen, Mick Mann, Mihail Ionescu, David Button, Shane Long, Phillip Chatfield, Andrew Downes, Peter Drewer, Oliver Evans, David Garton: The new Confocal Heavy Ion Micro-Probe (CHIMP) beamline on the SIRIUS accelerator, Tech Rep for Commissioning of the CHIMP, 22 June 2016.


Patents