

**AUSTRALIAN FRESHWATER  
SCIENCES SOCIETY**  
*Research for management and understanding of  
Australia's inland waters*

**ASL Medal 2018**

The 2018 recipient of the ASL Medal was nominated for her outstanding contribution to Australian freshwater ecosystems, in the fields of research, management and education.

**The 2018 ASL Medal is awarded to Emeritus Professor Angela Arthington.**

Angela is a leading international expert recognised for her ground-breaking research on environmental flows, fish ecology and fish conservation. She has over 40 years of research practice, more than 280 refereed publications and countless technical reports. Angela has either lead, or been a major contributor, in gaining more than \$9 million in research funding for freshwater science since 1980. Angela's international reputation as one of the founding researchers in environmental flows methodology, her leadership in the management of a broad range of Australian freshwater systems and her sustained role as a supervisor of higher degree students are evidence of her exemplary contributions to Australian limnology.

Angela founded and led the Centre for Catchment and In-Stream Research (CCISR), which has become one of the leading research institutes in Australia, the Australian Rivers Institute. Angela has been a Fellow of the Australian Institute of Biology since 1991.

Angela has a long and distinguished career of influencing the policy related to, and the management of, Australia's freshwater ecosystems. She was a key player in the National River Health Program and a directing force in the Water Resources R&D Corporation (AWRAC), and the Land and Water Resources Research and Development Corporation (LWRRDC). LWRRDC was a major funding agency for some of the foundation research on many Australian freshwater systems, much of this research is still underpinning management actions in river catchments. Angela has also held significant positions on the numerous advisory groups.

Angela has published widely on a range of topics, including river ecology, environmental flows and flow management, ecology and management of exotic fishes, biodiversity and conservation biology, ecotoxicology and biomonitoring of river health. She has over 280 publications, including 200+ refereed articles. Angela has an h-index of 58 and has over 19 000 citations. Two publications co-authored by Angela have over 2000 citations each and are 'citation classics' – Dudgeon et al. (2006) and Bunn & Arthington (2002). She has an international reputation for pioneering work on ecosystem-level environmental flow methods. She has researched the ecology and impacts of exotic fishes in Australia, with emphasis on escaped aquarium fish. She has also led significant research projects into the distribution, ecology and conservation status of two vulnerable fish species in SE Queensland, contributing to the recovery plans for those species. Angela also undertook substantive research into ecotoxicology and biomonitoring of river health, contributing to the development of new methods of assessing stream health using native and exotic fish.



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Angela was a member of the academic staff at Griffith University from 1976 until 2011 and has supervised 35 students at the honours, masters and postgraduate level. Many of her students have gone on to make a significant contribution to freshwater ecology in diverse ways including employment in CSIRO, Local and State Government, as private consultants, in business and in University faculty positions.

As a strong national and international leader in freshwater science for over 40 years, with major impacts on national policy and management agendas with respect to freshwater systems, Emeritus Professor Angela Arthington is a worthy recipient of the 2018 ASL Medal.

The Australian Freshwater Sciences Society is delighted to invite Emeritus Professor Angela Arthington to present the 2019 Hilary Jolly Lecture plenary at next year's conference, which will be held Geelong, Victoria.

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Formerly Australian Society for Limnology  
Founded 1961