

Announcing the Winners of the 2022 ACS ES&T Water Best Paper Award

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ACS ES&T Water is now completing its third year of publishing novel, impactful, and high-quality manuscripts from a wide array of water scientists, engineers, and policy makers. To date, ACS ES&T Water has published over 900 manuscripts from over 65 countries. Our citations continue to grow, and we earned our first impact factor of 5.3 earlier this year. So in deciding the winners of the 2022 Best Paper award, looking back at the high-quality manuscripts published across the 2022 issues of the journals was not at all easy. We compiled all the manuscripts and consulted our editors to make their nominations. From this very extensive nominations list of excellent manuscripts, we have selected 10 to earn the 2022 ACS ES&T Water Best Paper Award, including seven research articles and three review articles.

These 10 manuscripts from six different countries cover some of the many broad topics making up the scope of the journal, such as wastewater-based epidemiology (WBE), per- and polyfluoroalkyl substances (PFAS), microplastics, anammox wastewater treatment, and other emerging issues. Please join us in warmly congratulating the 2022 Best Paper Award winners!

As we wrap up 2023, I warmly thank all of our authors, reviewers, editors, ACS staff, and our editorial advisory board. We are all extremely appreciative of the time and commitment it takes to bring an article to final publication. Thus, we are particularly delighted to be able to highlight and celebrate a few of our authors who contributed some of the most outstanding and exemplary manuscripts in 2022.

Entering into 2024, the team at ACS ES&T Water encourages you and your colleagues to submit your best water research work to the journal. We have several more special issues underway and look forward to an even more impactful year ahead. Our journal will continue to support the international community of water scholars examining diverse aspects of water research with far-reaching implications for environmental and public health. We wish to thank each of you for another excellent year, and we look forward to working with all of you again next year.

WINNERS OF THE 2022 ACS ES&T WATER BEST PAPER AWARDS

Best Research Article

Nationwide Trends in COVID-19 Cases and SARS-CoV-2 RNA Wastewater Concentrations in the United States

Duvallet, Claire; Wu, Fuqing; McElroy, Kyle A.; Imakaev, Maxim; Endo, Noriko; Xiao, Amy; Zhang, Jianbo; Floyd-O'Sullivan, Roisin; Powell, Morgan M.; Mendola, Samuel;

Wilson, Shane T.; Cruz, Francis; Melman, Tamar; Sathyanarayana, Chaithra Lakshmi; Olesen, Scott W.; Erickson, Timothy B.; Ghaeli, Newsha; Chai, Peter; Alm, Eric J.; Matus, Mariana

Pilot-Scale Continuous Foam Fractionation for the Removal of Per- and Polyfluoroalkyl Substances (PFAS) from Landfill Leachate

Smith, Sanne J.; Wiberg, Karin; McCleaf, Philip; Ahrens, Lutz

Microplastics in the Danube River Basin: A First Comprehensive Screening with a Harmonized Analytical Approach

Kittner, Maria; Kerndor, Alexander; Ricking, Mathias; Bednarz, Marius; Obermaier, Nathan; Lukas, Marcus; Asenova, Mina; Bordos, Gabor; Eisentraut, Paul; Hohenblum, Philipp; Hudcova, Hana; Humer, Franko; Istvan, Toth Gyoergy; Kirchner, Michal; Marushevska, Olena; Nemejcova, Denisa; Oswald, Peter; Paunovic, Momir; Sengl, Manfred; Slobodnik, Jaroslav; Spanowsky, Karl; Tudorache, Madalina; Wagensonner, Helmut; Liska, Igor; Braun, Ulrike; Bannick, Claus G.

Organic Chemical Contaminants in Water System Infrastructure Following Wildfire

Draper, William M.; Li, Na; Solomon, Gina M.; Heaney, Yvonne C.; Crenshaw, Reese B.; Hinrichs, Richard L.; Chandrasena, R. Esala P.

Comparison of RT-qPCR and RT-dPCR Platforms for the Trace Detection of SARS-CoV-2 RNA in Wastewater

Ahmed, Warish; Smith, Wendy J. M.; Metcalfe, Suzanne; Jackson, Greg; Choi, Phil M.; Morrison, Mary; Field, Daniel; Gyawali, Pradip; Bivins, Aaron; Bibby, Kyle; Simpson, Stuart L.

Relationships between SARS-CoV-2 in Wastewater and COVID-19 Clinical Cases and Hospitalizations, with and without Normalization against Indicators of Human Waste

Zhan, Qingyu; Babler, Kristina M.; Sharkey, Mark E.; Amirali, Ayaaz; Beaver, Cynthia C.; Boone, Melinda M.;

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Comerford, Samuel; Cooper, Daniel; Cortizas, Elena M.; Currall, Benjamin B.; Foox, Jonathan; Grills, George S.; Kobetz, Erin; Kumar, Naresh; Laine, Jennifer; Lamar, Walter E.; Mantero, Alejandro M. A.; Mason, Christopher E.; Reding, Brian D.; Robertson, Maria; Roca, Matthew A.; Ryon, Krista; Schurer, Stephan C.; Shukla, Bhavarth S.; Solle, Natasha Schaefer; Stevenson, Mario; Tallon, John J., Jr.; Thomas, Collette; Thomas, Tori; Vidovic, Dusica; Williams, Sion L.; Yin, Xue; Solo-Gabriele, Helena M.

[Tributary Loading and Sediment Desorption as Sources of PFAS to Receiving Waters](#)

Balگوoyen, Sarah; Remucal, Christina K.

Best Review Article

[Poly- and Perfluoroalkyl Substances in Municipal Wastewater Treatment Plants in the United States: Seasonal Patterns and Meta-Analysis of Long-Term Trends and Average Concentrations](#)

Thompson, Kyle A.; Mortazavian, Soroosh; Gonzalez, Dana J.; Bott, Charles; Hooper, Jennifer; Schaefer, Charles E.; Dickenson, Eric R. V.

[How Pyrite Interacts with Anammox: Mechanisms and Application](#)

Feng, Fan; Qu, Caiyan; Liu, Zhigong; Wu, Xing; Tang, Xi; Tang, Chong-Jian; Chai, Liyuan

[Occurrence of Emerging Contaminants in Southeast Asian Environments: Present Status, Challenges, and Future Prospects](#)

Lee, Theodora H. Y.; Chuah, Joon; Snyder, Shane A.

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Notes

Views expressed in this editorial are those of the authors and not necessarily the views of the ACS.