

## Curriculum Vitae

Andrew Hursthouse  
Professor  
School of Computing, Engineering and Physical Sciences



## Qualifications

Doctor of Philosophy, Development and application of methods for the determination of neptunium in environmental matrices, University of Glasgow

1 Oct 1986 → 30 Sept 1989

Award Date: 1 May 1990

Bachelor of Science (Hons.), Geochemistry, University of Reading

1 Oct 1983 → 1 Jun 1986

Award Date: 1 Jul 1986

Nov 2020 → ... IEMA Accredited Trainer

Chartered Chemist & Fellow of the Royal Society of Chemistry, CChem. FRSC

## Area of academic expertise - outline

I am an **environmental geochemist**, applying an "earth-systems" approach to research which covers the transport/behaviour of pollutants in the environment (air quality, land degradation and remediation, and aquatic biogeochemistry), evaluating their impact on ecosystems and implications for human health.

These have links to policy and knowledge transfer activities which have been focused on the role and evolution of environmental management tools, issues of regulation and sustainability, and in the development of innovative R&D support mechanisms for SMEs and large industrial operations across different sectors.

I undertook PhD and postdoc research on actinide geochemistry associated with nuclear waste processing facilities, developing analytical tools and applying them to study environmental transport processes. Subsequently my research has applied these principles in studies of the impact of wastes and development of management systems, resource recovery strategies and exposure assessment. Fundamentally focused on understanding behaviour of potentially harmful elements and compounds in urban and rural environments in both terrestrial and aquatic systems.

Joining UWS (then PCT) in 1990, holding number of institutional management roles including: Subject development Chair (HoD) Physical Sciences 2009-2014 and Assistant Dean (Research & Enterprise) 2014-2019.

A strong personal commitment to addressing our "climate crisis" through teaching, research and knowledge exchange having grown up through rapid environmental change: **Born when pCO<sub>2</sub> was 320.4 ppmV\***, **Joined UWS when pCO<sub>2</sub> was 354.45 ppmV\*** promoted to **Professor when pCO<sub>2</sub> was 373.45 ppmV\***  
(\*source: Statista atmospheric CO<sub>2</sub>)

Peer Reviewer: <https://www.webofscience.com/wos/author/record/55560>

Key Lab HNUST: <http://hnoilgas.hnust.edu.cn/>

Chartered Chemist and Fellow, Royal Society of Chemistry

Certified Trainer, IEMA

Fellow, Society for Environmental Geochemistry & Health

## Current teaching activities and interests

Waste and resource management; analytical and environmental chemistry; earth and environmental sciences; life cycle analysis; postgraduate skills development; CPD development for professionals in environmental industrial and process management

## Employment

**Professor**

Professor

School of Computing, Engineering and Physical Sciences

University Of The West Of Scotland

1 Sept 1990 → present

**Approved Trainer**

Institute of Environmental Management & Assessment (IEMA)  
United Kingdom  
1 Nov 2020 → present

**Environmental Earth Science - Associate Editor**

SpringerNature  
United States  
1 Jan 2020 → present

**Fellow**

The Society for Environmental Geochemistry & Health  
United Kingdom  
1 Jul 2019 → present

**Environmental Monitoring & Assessment - Associate Editor**

SpringerNature  
United States  
1 Jan 2019 → present

**Heliyon - Earth Sciences, Section Editor**

Elsevier  
1 Jan 2017 → present

**High End Expert Scholarship (100 talents), Hunan Provincial Government**

Hunan University of Science & Technology  
China  
1 Feb 2016 → 1 Aug 2021

**High End Expert Recruitment - State Administration of Foreign Affairs**

Hunan University of Science & Technology  
China  
1 Oct 2015 → 1 Nov 2015

**Xiangtan Scholars Programme, Hunan Provincial Government**

Hunan University of Science & Technology  
China  
1 Apr 2014 → 1 May 2014

**Founding Trustee**

Environmental Protection Scotland  
United Kingdom  
1 Jan 2013 → present

**Research output****E-waste plastics in the environment: assessment, characterisation, and bioprocessing**

Ferreira-Filipe, D. A., Hursthouse, A., Duarte, A. C., Rocha-Santos, T. & Patricio Silva, A., 17 Feb 2025, In: Applied Sciences. 15, 4, 24 p., 2122.

**Novel Ce(III) based Ce-oxide/Fe<sub>3</sub>O<sub>4</sub> composite for high-efficiency removal of Sb(V) and Sb(III) from wastewater at wide pH range**

Wang, X., Deng, R., Wang, C., Chen, W., Hou, B., Zhou, S., Huang, W., Ren, B. & Hursthouse, A., 28 Feb 2025, In: Journal of Environmental Management. 375, 15 p., 124384.

**The development of a kinetic biotic ligand model to predict acute toxicity of Gadolinium for *Daphnia magna***

Revel, M., Tan, Q.-G., Hursthouse, A. & Heise, S., 31 Jan 2025, In: Ecotoxicology and Environmental Safety. 289, 10 p., 117486.

**One health and contaminated estuarine ecosystems: a critical review of the status of Thane Creek, Mumbai, India**

Corbett, E., Esiovwa, R., Mooney, R., Rodgers, K., Mukherji, S., Connolly, J., Hursthouse, A., Mukherji, S. & Henriquez, F. L., 28 Jan 2025, (E-pub ahead of print) In: Environmental Earth Sciences. 84, 88.

**Biobased strategies for e-waste metal recovery: a critical overview of recent advances**

Ferreira-Filipe, D. A., Duarte, A. C., Hursthouse, A. S., Rocha-Santos, T. & Patricio Silva, A. L., 16 Jan 2025, In: Environments. 12, 1, 30 p., 26.

**Heterogeneous Fenton oxidation of aniline aerofloat catalyzed by Fe/Mn binary oxides supported on activated carbon: performance and mechanism**

Hou, B., Liu, J., Tang, J., Li, Z., Shu, J., Wang, Z., Ren, B., Deng, R., Liu, Y. & Hursthouse, A., 17 Dec 2024, (E-pub ahead of print) In: Journal of Environmental Chemical Engineering. 13, 1, 13 p., 115126.

**Magnetic seed technology for the efficient removal of nitrogen from wastewater**

Li, S., Zhu, G., Yan, S. & Hursthouse, A. S., 1 Dec 2024, In: Environmental Chemistry Letters. 22, 6, p. 2619-2625 7 p.

**Adsorption of Sb(V) in wastewater by Fe/Mn binary oxides loaded sludge derived activated carbon: performance, mechanisms and applicability**

Duan, Y., Hou, B., Li, Z., Wang, J., Tang, J., Deng, R., Ren, B., Zhao, P., Liu, X. & Hursthouse, A., 30 Nov 2024, In: Environmental Technology and Innovation. 36, 16 p., 103881.

**Adsorption-catalytic synergistic Fenton degradation of potassium butyl xanthate in flotation tailing wastewater by renewable iron-loaded sludge: performance, kinetics and mechanism**

Tang, J., Hou, B., Li, Z., Liu, J., Wang, Z., Shu, J., Ren, B., Wang, C., Deng, R., Kuang, Y. & Hursthouse, A., 13 Nov 2024, (E-pub ahead of print) In: Separation & Purification Technology. 32 p., 130533.

**Bridging the SDG awareness gap: Universities have a critical role to play in increasing awareness of the UN's Sustainable Development Goals. Here's how to do it**

Miller, J. & Hursthouse, A., 4 Nov 2024, Times Higher Education 6 p.

**Effects of rare earth elements in the aquatic environment: implications for ecotoxicological testing**

Revel, M., Van Drimmelen, C. K. E., Weltje, L., Hursthouse, A. & Heise, S., 4 Oct 2024, (E-pub ahead of print) In: Critical Reviews in Environmental Science and Technology. 55, 5, p. 334-375 42 p., 2406992.

**Isolation and identification of highly Sb-resistant *Rhodotorula glutinis* strain J5 and its mechanism of resistance to Sb(III)**

Pan, Y., Deng, R., Jin, C., Li, Y., Ren, B., Hou, B., Wang, C., Xiuzhen, Y. & Hursthouse, A., 31 Aug 2024, In: Current Microbiology. 81, 14 p., 335.

**Mechanism of dissolution and oxidation of stibnite mediated by the coupling of iron and typical antimony oxidizing bacteria**

Xu, R., Deng, R., Zhao, J., Ren, B., Wang, C., Zhou, S., Hursthouse, A. & Wang, Z., 31 Aug 2024, In: Environmental Technology and Innovation. 35, 103640.

**Removal of Sb(V) from complex wastewater of Sb(V) and aniline aerofloat using Fe<sub>3</sub>O<sub>4</sub>-CeO<sub>2</sub> absorbent enhanced by H<sub>2</sub>O<sub>2</sub>: efficiency and mechanism**

Wang, X., Deng, R., Wang, C., Long, P., Hou, B., Chen, W., Chen, F., Ren, B. & Hursthouse, A., 31 Aug 2024, In: Journal of Environmental Management. 365, 12 p., 121610.

**Application of artificial intelligence in the management of coagulation treatment engineering system**

Liu, J., Long, Y., Zhu, G. & Hursthouse, A. S., 27 Aug 2024, In: Processes. 12, 9, 26 p., 1824.

**Comparison of hexavalent chromium adsorption behavior on conventional and biodegradable microplastics**

Fang, Z., Wang, Z., Tang, H. & Hursthouse, A., 19 Jul 2024, In: WATER. 16, 14, 19 p., 2050.

**Multidisciplinary approach to promote research to commercialization, and small business development in Africa: KTP project in Kenya, a case study**

Njihia, T., Mweke, A., Kamau, E., Thacker, R., Hursthouse, A., Adewole, D. A., Wambua, A., Muchemi, S. & Struthers, J., 27 Jun 2024.

**Preference for synthetic pesticides for fruit fly pest management over biological control interventions: fighting a losing battle?**

Njihia, T., Mweke, A., Kamau, E., Thacker, R., Hursthouse, A., Adewole, D. A., Wambua, A., Muchemi, S. & Struthers, J., 27 Jun 2024.

**Charting achievements: a two-year retrospective of the society for environmental geochemistry and health (SEGH) and the evolving strategies**

Argyragi, A., Watts, M. J., Abdou, M., Ahmad, W., Ajayi, F. F., An, T., Barbieri, M., Biswas, J. K., Gaberšek, M., Gibson, G., Hashmi, M. Z., Humphrey, O. S., Hursthouse, A. S., Kanninga, B., Lanian, T. A., Monteiro, C. E., Morton-Bermea, O., Olajide-Kayode, J., Olatunji, A. S. & Onyangore, F. & 5 others, Osano, O., Potgieter-Vermaak, S., Prater, C., Purchase, D. & Torrance, K., 7 Jun 2024, In: Environmental Geochemistry and Health. 46, 8 p., 242.

**Mechanistic analysis of the sub chronic toxicity of La and Gd in *Daphnia magna* based on TKTD modelling and synchrotron X-ray fluorescence imaging**

Revel, M., Medjoubi, K., Charles, S., Hursthouse, A. & Heise, S., 30 Apr 2024, In: Chemosphere. 353, 10 p., 141509.

**A metallic phenolic network-enhanced bentonite for ammonical nitrogen removal from black-odorous water**

Lin, J., Luo, B., Wan, P., Wang, J., Hursthouse, A. S., Li, S. & Zhu, G., 29 Feb 2024, In: Process Safety and Environmental Protection. 182, p. 32-44 13 p.

**New insights into adsorption of As(V) and Sb(V) from aqueous by HCO-(Fe<sub>3</sub>O<sub>4</sub>)<sub>x</sub> adsorbent: adsorption behaviors, competition and mechanisms**

Chen, W., Deng, R., Chen, Y., Wang, C., Hou, B., Zhou, S. & Hursthouse, A., 29 Feb 2024, In: Journal of Water Process Engineering. 58, 104873.

**Challenges in scale-up of bio-hydrometallurgical treatment of electronic waste: from laboratory-based research to practical industrial applications**

Chaine Escobar, A. C., Hursthouse, A. S. & van Hullebusch, E. D., 19 Feb 2024, *Sustainable Management of Electronic Waste*. Kumar, A., Rathore, P. S., Dubey, A. K., Srivastav, A. L., Ananth Kumar, T. & Dutt, V. (eds.). Hoboken, NJ: Scrivener Publishing, p. 301-340 40 p.

**Modelling selenium behavior in aquatic systems: a review of status, challenges, and opportunities**

Zhu, S., Wang, Y., Hursthouse, A., Luo, W. & Maher, W. A., 26 Jan 2024, In: Environmental Science and Pollution Research. 31, p. 12832-12840 9 p.

**Estimating soil health in urban allotments: integrated two-way soil quality index and free-living amoebae in nitrogen recycling**

Williams, R. A. M., Ogoke, A., Rodgers, K., Kelly, S., McIntosh, R., Hursthouse, A. & Henriquez, F. L., 31 Dec 2023, In: Soil & Environmental Health. 1, 4, 12 p., 100046.

**The potential of *Ascophyllum nodosum* to accelerate green waste composting**

Al-Dulaimi, O., Rateb, M., Hursthouse, A., Thomson, G. & Yaseen, M., 30 Nov 2023, In: Journal of Material Cycles and Waste Management. 25, p. 3246-3255 10 p.

**The challenge of plastic management for waste electrical and electric equipment recycling in the Global South: a case comparison between Europe and Latin America**

Chaine, C., Hursthouse, A. S., McLellan, I., Viza, E. & Miller, J., 15 Sept 2023, In: Recycling. 8, 5, 15 p., 71.

**Optimized industrial sorting of WEEE plastics: development of fast and robust h-XRF technique for hazardous components**

Chaine, C., Hursthouse, A. S., Jandric, A., McLean, B., McLellan, I., McMahon, B., McNulty, J., Miller, J., Salhofer, S. & Viza, E., 30 Jun 2023, In: Case Studies in Chemical & Environmental Engineering. 7, 12 p., 100292.

**Mango production and existing economic challenges associated with fruit fly infestation and management practices in Kenya: a survey**

Njihia, T., Mweke, A., Kamau, E., Thacker, R., Hursthouse, A., Adewole, D. A., Wambua, A., Muchemi, S. & Struthers, J., 22 Jun 2023.

**Manganese oxides mediated dissolve organic matter compositional changes in lake sediment and cadmium binding characteristics**

Jin, C., Li, Z., Hursthouse, A. S., Ding, X., Zhou, M., Chen, J. & Li, B., 31 May 2023, In: Ecotoxicology and Environmental Safety. 256, 10 p., 114916.

**Determination of the distribution of rare earth elements La and Gd in *Daphnia magna* via micro and nano-SXRF imaging**

Revel, M. L., Medjoubi, K., Rivard, C., Vantelon, D., Hursthouse, A. & Heise, S., 25 May 2023, (E-pub ahead of print) In: Environmental Sciences: Processes & Impacts.

**Ecosystem-inspired model and artificial intelligence predicts pollutant consumption capacity by coagulation in drinking water treatment**

Li, S., Zhu, G., Li, X., Wan, P., Yuan, F., Xu, S. & Hursthouse, A. S., 28 Apr 2023, In: Environmental Chemistry Letters. 10 p.

**Treatment of human waste in small-scale facilities: a prospective review**

Rodriguez Nunez, C., Hursthouse, A. & El-Hassan, Z., 12 Apr 2023, In: Waste and Resource Management. 177, 2, p. 58-69 12 p.

**Hybrid leaching of tantalum and other valuable metals from tantalum capacitor waste**

Sikander, A., Kelly, S., Kuchta, K., Sievers, A., Willner, T. & Hursthouse, A. S., 3 Apr 2023, In: Environmental Science and Pollution Research. 30, p. 59621-59631 11 p.

**Exploring links between road traffic noise, air quality and public health using DPSEAA conceptual framework– a review and perspective for a UK environmental health tracking system (EHTS)**

Adza, W. K., Hursthouse, A. S., Miller, J. & Boakye, D., 28 Feb 2023, In: Environment, Development and Sustainability. 26, 3, p. 5579-5605 27 p., 10.1007/s10668-023-02996-6.

**Exploring the joint association of road traffic noise and air quality with hypertension using QGIS**

Adza, W. K., Hursthouse, A. S., Miller, J. & Boakye, D., 27 Jan 2023, In: International Journal of Environmental Research and Public Health. 20, 3, 24 p., 2238.

**Environmental geochemical signature of shale in pollution assessment of trace metals in soil and water in parts of southern Benue Trough, southeastern Nigeria**

Nganje, T. N., Adamu, C. I., Ekwere, A. S., Ibe, K. A., Edet, A. & Hursthouse, A., 2023, In: International Journal of Environmental Analytical Chemistry. 103, 12, p. 2858-2878 21 p.

**Exploring the combined association between road traffic noise and air quality using QGIS**

Adza, W. K., Hursthouse, A. S., Miller, J. & Boakye, D., 19 Dec 2022, In: International Journal of Environmental Research and Public Health. 19, 24, 19 p., 192417057 .

**Factors on the distribution, migration, and leaching of potential toxic metals in the soil and risk assessment around the zinc smelter**

Xie, Q., Ren, B., Shi, X. & Hursthouse, A., 30 Nov 2022, In: *Ecological Indicators*. 144, 10 p., 109502.

**Menace of informal waste electrical and electronic equipment recycling at MTN phone village, Rumukurushi, Port Harcourt, Nigeria**

Okwu, O., Viza, E., Hursthouse, A. & Idoko, L., 28 Nov 2022, In: *International Journal of Environmental Science & Technology*. 12 p.

**Development of functional materials for the removal of heavy metals from industrial waste waters**

Mirzaeian, M., Abbas, Q., Hursthouse, A., Aidarova, S., Gabdullin, M. T. & Ospanova, Z., 24 Nov 2022, *Proceedings*. Almaty, Kazakhstan: Kazakh-British Technical University (KBTU), Vol. 2. p. 246-251 6 p.

**Perspectives on environment and human health: an editorial**

Marinho-Reis, P., Entwistle, J., Hursthouse, A. S. & Stewart, A. G., 5 Nov 2022, In: *Geosciences*. 12, 11, 4 p., 408.

**The effect of substrate on water quality in ornamental fish tanks**

Vanderzwalmen, M., Sánchez Lacalle, D., Tamilselvan, P., McNeill, J., Delieuvin, D., Behlouli, K., Hursthouse, A., McLellan, I., Alexander, M. E., Henriquez, F. L., Snellgrove, D. & Sloman, K. A., 5 Oct 2022, In: *Animals*. 12, 19, 14 p., 2679.

**Decision support models for site remediation: an evaluation of industry practice in China**

Song, N., Hursthouse, A., McLellan, I. & Wang, Z., 1 Oct 2022, In: *Sustainability*. 14, 19, 18 p., 11811.

**A flocculation tensor to monitor water quality using a deep learning model**

Zhu, G., Lin, J., Fang, H., Yuan, F., Li, X., Yuan, C. & Hursthouse, A. S., 30 Sept 2022, In: *Environmental Chemistry Letters*. 20, p. 3405-3414 10 p.

**Sorption vs adsorption: the words they are a-changin', not the phenomena**

Pourret, O., Bollinger, J.-C., Hursthouse, A. & van Hullebusch, E. D., 10 Sept 2022, In: *Science of the Total Environment*. 838, Part 3, 2 p., 156545.

**B2B SME service quality management and measurement in practice: A Scottish Case Study of Waste Management Service and Training and Vocational Qualifications: Paper 325**

Conlan, E., McGowan, K., Beattie, H., Hursthouse, A. & Johnston, J. B., 31 Aug 2022, p. 1-9. 9 p.

**Antimicrobial resistance in the real world (AMR)**

Connolly, J., Henriquez, F. & Hursthouse, A., 28 Aug 2022, *How to Manage International Multidisciplinary Research Projects*. Hantrais, L. (ed.). Cheltenham: Edward Elgar Publishing Ltd.

**Chemical and microbial leaching of valuable metals from PCBs and tantalum capacitors of spent mobile phones**

Sikander, A., Kelly, S., Kuchta, K., Sievers, A., Willner, T. & Hursthouse, A. S., 13 Aug 2022, In: *International Journal of Environmental Research and Public Health*. 19, 16, 17 p., 10006.

**Separation of dye from aqueous solution by a new gravity compression and aeration system**

Li, S., Xiong, N., Zhu, G., Wan, P., Hursthouse, A. S. & Huang, H., 22 Jun 2022, In: *Environmental Technology*.

**Antimicrobial resistance as a global health threat: the need to learn lessons from the COVID-19 pandemic**

Cameron, A., Esiovwa, R., Connolly, J., Hursthouse, A. & Henriquez, F., 31 May 2022, In: *Global Policy*. 13, 2, p. 179-192 14 p.

**Bridging the gaps in the global governance of antimicrobial resistance: the UN sustainable development goals and global health security agenda**

Esiovwa, R., Connolly, J., Hursthouse, A., Mukherji, S., Mukherji, S., Parasnis, A., Sachwani, K. & Henriquez, F., 29 Apr 2022, (E-pub ahead of print) In: *Routledge Open Research*. 1, 14 p., 8.

**Reaching SDG6: societal impact is core to all our work**

Hursthouse, A., 17 Mar 2022, 8 p. Springer Nature.

**Sedimentary facies characterization of forced regression in the Pearl River Mouth basin**

Yu, Y., Yang, C., Wang, L., Hursthouse, A., Li, S., Huang, Y. & Cao, T., 16 Mar 2022, In: *Open Geosciences*. 14, 1, p. 208-223 16 p.

**High removal of nitrogen and phosphorus from black-odorous water using a novel aeration-adsorption system**

Zhu, G., Chen, J., Zhang, S., Zhao, Z., Luo, H., Hursthouse, A., Wan, P. & Fan, G., 11 Mar 2022, In: *Environmental Chemistry Letters*. 20, p. 2243-2251 9 p.

**New models to reduce the health risks of informal WEEE recyclers in MTN phone village, Rumukurushi, Port Harcourt, Nigeria**

Okwu, O., Hursthouse, A., Viza, E. & Idoko, L., 12 Feb 2022, In: *Toxics*. 10, 2, 19 p., 84.

**Editorial: The society for environmental geochemistry and health (SEGH): 50 years and beyond**

Watts, M. J., Argyraki, A., Barbieri, M., Brown, A., Button, M., Finkelman, R., Gibson, G., Humphrey, O., Huo, X., Hursthouse, A. S., Kaninga, B., Marinho Reis, P., Middleton, D. R. S., Morton-Bermea, O., Nazarpour, A., Olatunji, A. S., Osano, O., Potgieter-Vermaak, S., Prater, C. & Torrance, K. & 3 others, Wong, M. H., Zhang, C. & Zia, M., 19 Jan 2022, In: *Environmental Geochemistry and Health*. 7 p.

**Recycling plastics from WEEE: a review of the environmental and human health challenges associated with brominated flame retardants**

Chaine, C., Hursthouse, A. S., McLean, B., McLellan, I., McMahon, B., McNulty, J., Miller, J. & Viza, E., 11 Jan 2022, In: *International Journal of Environmental Research and Public Health*. 19, 2, 27 p., 766.

**The 'europium anomaly' in plants: facts and fiction**

Pourret, O., van der Ent, A., Hursthouse, A., Irawan, D., Liu, H. & Wiche, O., 1 Dec 2021, In: *Plant and Soil*. 476, 1-2, p. 721-728 8 p.

**A biochar supported magnetic metal organic framework for the removal of trivalent antimony**

Zhu, G., Lin, J., Yuan, Q., Wang, X., Zhao, Z., Hursthouse, A. S., Wang, Z. & Li, Q., 30 Nov 2021, In: *Chemosphere*. 282, 35 p., 131068.

**Enhancement of WEEE management practices in MTN phone village, Rumukurushi, Port Harcourt, Nigeria**

Okwu, O., Hursthouse, A., Viza, E. & Idoko, L., 24 Nov 2021, In: *Recycling*. 6, 4, 22 p., 77.

**Bacterial diversity in house dust: characterization of a core indoor microbiome**

Entwistle, J. A., Thompson, J. R., Argyraki, A., Bashton, M., Bramwell, L., Crown, M., Hursthouse, A., Jabeen, K., Marinho-Reis, A. P., Namdeo, A., Nelson, A., Pearce, D. A., Potgieter, S., Rasmussen, P. E. & Wragg, J., 23 Nov 2021, In: *Frontiers in Environmental Science*. 9, 11 p., 754657.

**The waste ban in China – what happened next? Assessing the impact of new policies on the waste management sector in China**

Song, N., McLellan, I., Liu, W., Wang, Z. & Hursthouse, A., 18 Nov 2021, In: *Environmental Geochemistry and Health*. 15 p.

**Source identification and groundwater health risk assessment of PTEs in the stormwater runoff in an abandoned mining area**

Shi, X., Ren, B. & Hursthouse, A., 11 Oct 2021, In: *Environmental Geochemistry and Health*. 44, p. 3555-3570 16 p.

**The rich diversity of urban allotment gardens in Europe: contemporary trends in the context of historical, socio-economic and legal conditions**

Poniży, L., Łatkowska, M. J., Breuste, J., Hursthouse, A., Joimel, S., Kůlvík, M., Leitao, T., Mizgajski, A., Voigt, A., Kacprzak, E., Maćkiewicz, B. & Szczepańska, M., 7 Oct 2021, In: *Sustainability*. 13, 19, 19 p., 11076.

**Carbon management in UK higher education institutions: an overview**

Idundun, E., Hursthouse, A. S. & McLellan, I., 30 Sept 2021, In: Sustainability. 13, 19, 16 p., 10896.

**A critical review of resistance and oxidation mechanisms of Sb-oxidizing bacteria for the bioremediation of Sb(III) pollution**

Deng, R., Chen, Y., Deng, X., Huang, Z., Zhou, S., Ren, B., Jin, G. & Hursthouse, A., 7 Sept 2021, In: Frontiers in Microbiology. 12, 738596.

**Variation of Al species during water treatment: correlation with treatment efficiency under varied hydraulic conditions**

Wang, Z., Huang, W., Wang, C., Li, X., He, Z., Hursthouse, A. & Zhu, G., 1 Sept 2021, In: AQUA Water Infrastructure, Ecosystems and Society. 70, 6, p. 891-900 10 p.

**Effects of mining activities on the distribution, controlling factors, and sources of metals in soils from the Xikuangshan South Mine, Hunan Province**

Xie, Q., Ren, B., Hursthouse, A. & Shi, X., 26 Aug 2021, In: Integrated Environmental Assessment and Management. 18, 3, p. 748-756 9 p.

**Development and validation of a box and flux model to describe major, trace and Potentially Toxic Elements (PTEs) in Scottish soils**

Gallini, L., Hursthouse, A. & Scopu, A., 25 Aug 2021, In: International Journal of Environmental Research and Public Health. 18, 17, 18 p., 8930.

**Heavy metal: a misused term?**

Pourret, O., Bollinger, J.-C. & Hursthouse, A., 30 Jun 2021, In: Acta Geochimica. 40, p. 466-471 6 p.

**The brown seaweeds of Scotland, their importance and applications**

Al-Dulaimi, O., Rateb, M. E., Hursthouse, A. S., Thomson, G. & Yaseen, M., 21 Jun 2021, In: Environments. 8, 6, 33 p., 59.

**A study of the adsorption and removal of Sb(III) from aqueous solution by Fe(III) modified *Proteus Cibaricus* with mechanistic insights using response surface methodology**

Li, X., Deng, R., Tang, Z., Zhou, S., Zeng, X., Wang, J.-Q. & Hursthouse, A., 26 May 2021, In: Processes. 9, 6, 14 p., 933.

**Identification of pollution sources in roadside soils of Cairo-Alexandria Highway, Egypt**

Said, I., Hursthouse, A. & Salman, S. A.E.-R., 26 May 2021, In: Arabian Journal of Geosciences. 14, 11 p., 981.

**Environmental earth sciences progress report 2020 and outlook 2021**

Kolditz, O., Teti, P., Dörhöfer, G., LaMoreaux, J., Andriani, G. F., Appleyard, S., Asch, T., Buttafuoco, G., Dietrich, P., Hursthouse, A., Kim, D., Merkel, B. J., Schwarzbauer, J., Siegesmund, S. & Kolditz, B., 9 Apr 2021, In: Environmental Earth Sciences. 80, 8, 9 p., 314.

**Purified montmorillonite as a nano-adsorbent of potentially toxic elements from environment: an overview**

Atigh, Z. B. Q., Sardari, P., Moghiseh, E., Lajayer, B. A. & Hursthouse, A. S., 4 Mar 2021, In: Nanotechnology for Environmental Engineering. 6, 21 p., 12.

**Source identification and risk analysis of potentially toxic elements (PTEs) in rainwater runoff from a manganese mine (south central Hunan, China)**

Luo, X., Ren, B., Hursthouse, A. S., Jiang, F., Deng, R.-J. & Wang, Z., 1 Mar 2021, In: Water Science and Technology: Water Supply. 21, 2, p. 824-835 12 p.

**Application of a new HMW framework derived ANN model for optimization of aquatic dissolved organic matter removal by coagulation**

Zhu, G., Xiong, N., Wang, C., Li, Z. & Hursthouse, A. S., 31 Jan 2021, In: Chemosphere. 262, 127723.



**Identifying non-agricultural marginal lands as a route to sustainable bioenergy provision - a review and holistic definition**  
Mellor, P., Lord, R. A., João, E., Thomas, R. & Hursthouse, A., 31 Jan 2021, In: Renewable & Sustainable Energy Reviews. 135, 110220.

**Sustainable strategies for improved regulatory compliance within the food-processing sector**

Fagbohunge, M. O., Hursthouse, A. S., Miller, J., Morrison, G., Stockwell, M. & McLellan, I., 29 Jan 2021, In: Waste and Resource Management. 174, 2, p. 47-58 12 p.

**Facile synthesis of nanosheet-assembled  $\gamma\text{-Fe}_2\text{O}_3$  magnetic microspheres and enhanced Sb(III) removal**

Zhao, W., Ren, B., Hursthouse, A. & Wang, Z., 6 Jan 2021, In: Environmental Science and Pollution Research. 28, p. 19822-19837 16 p.

**Adaptation of the BCR sequential extraction procedure for fractionation of potentially toxic elements in airborne particulate matter collected during routine air quality monitoring**

Sagagi, B. S., Davidson, C. M. & Hursthouse, A. S., 2021, In: International Journal of Environmental Analytical Chemistry. 101, 7, p. 956-968 13 p.

**Sedimentary characteristics and genetic mechanism of a deep-water channel system in the Zhujiang Formation of Baiyun Sag, Pearl River Mouth Basin**

Yu, Y., Zhang, C., Wang, L., Li, S., Hursthouse, A., Huang, Y. & Cao, T., 7 Dec 2020, (E-pub ahead of print) In: Deep Sea Research Part I: Oceanographic Research Papers. 168, 103456.

**Simulation of manganese transport in groundwater using visual MODFLOW: a case study from Xiangtan manganese ore area in Central China**

Xie, W., Ren, B., Hursthouse, A. S., Wang, Z. & Luo, X., 13 Nov 2020, (E-pub ahead of print) In: Polish Journal of Environmental Studies. 30, 2, p. 1409-1420 12 p.

**Cytotoxic effect of vehicular PM metals  $\text{Fe}^{3+}$  &  $\text{Zn}^{2+}$  on lung epithelia**

Woods, C., Litherland, G., Hursthouse, A., Lundy, F., Sergeant, G., Lockhart, J. & McLellan, I., 28 Oct 2020, In: European Respiratory Journal. 56, Supplement 64, 1973.

**Potentially toxic elements (PTEs) pollution in surface soils in a typical urban region of south India: an application of health risk assessment and distribution pattern**

Adimalla, N., Quian, H., Nandan, M. J. & Hursthouse, A. S., 15 Oct 2020, In: Ecotoxicology and Environmental Safety. 203, 10 p., 111055.

**Correlation characteristics of electrical conductivity of surface waters with the fluorescence excitation-emission matrix spectroscopy-parallel factor components of dissolved organic matter**

Zhu, G., Xiong, N., Wang, X., Hursthouse, A. S. & Marr, A., 30 Sept 2020, In: Journal of Fluorescence. 30, p. 1383-1396 14 p.

**The growth of open access publishing in geochemistry**

Pourret, O., Irawan, D. E., Tennant, J. P., Hursthouse, A. & van Hullebusch, E. D., 30 Sept 2020, In: Results in Geochemistry. 1, 7 p., 100001.

**Treatment of environmental contamination using sepiolite: current approaches and future potential**

Song, N., Hursthouse, A., McLellan, I. & Wang, Z., 11 Sept 2020, In: Environmental Geochemistry and Health. 43, p. 2679-2697 19 p., 007050.

**Soil from an abandoned manganese mining area (Hunan, China): significance of health risk from potentially toxic element pollution and its spatial context**

Luo, X., Ren, B., Hursthouse, A. S., Thacker, J. R. M. & Wang, Z., 9 Sept 2020, In: International Journal of Environmental Research and Public Health. 17, 18, 15 p., 6554.

**Multi-linear regression model for chlorine consumption by waters**

Zhu, G., Zhang, S., Bian, Y. & Hursthouse, A. S., 2 Sept 2020, In: Environmental Engineering Research. 26, 4, 7 p., 200402.

**The adsorption of Mn(II) by insolubilized humic acid**

Zhao, W., Ren, B., Hursthouse, A. & Jiang, F., 15 Aug 2020, In: Water Science & Technology. 82, 4, p. 747-758 12 p.

**The application of fluorescence spectroscopy for the investigation of dye degradation by chemical oxidation**

Zhu, G., Fang, H., Xiao, Y. & Hursthouse, A. S., 7 Aug 2020, In: Journal of Fluorescence. 30, p. 1271-1279 9 p.

**Evaluating health risk indicators for PTE exposure in the food chain: evidence from a thallium mine area**

Jiang, F., Ren, B., Hursthouse, A. & Deng, R., 31 Jul 2020, In: Environmental Science and Pollution Research. 27, p. 23686-23694 9 p.

**Evaluation of heavy metals stability and phosphate mobility in the remediation of sediment by calcium nitrate**

Zhou, J., Zhang, M., Ji, M., Wang, Z., Hou, H., Zhang, J., Huang, X., Hursthouse, A. & Qian, G., 31 Jul 2020, In: Water Environment Research. 92, 7, p. 1017-1026 10 p.

**Evaluating controls on potentially toxic element release in circum-neutral mine water: a case study from the abandoned Pb-Zn mines of Leadhills and Wanlockhead, South of Scotland, United Kingdom**

Chukwura, U. O. & Hursthouse, A. S., 11 Jul 2020, In: Environmental Earth Sciences. 79, 14, 13 p., 363.

**The concentration, distribution and health risk from potentially toxic elements in the soil - plant - water system developed on black shales in SE Nigeria**

Nganje, T. N., Edet, A., Cuthbert, S., Adamu, C. I. & Hursthouse, A. S., 31 May 2020, In: Journal of African Earth Sciences. 165, 30 p., 103806.

**The role of magnetic MOFs nanoparticles in enhanced iron coagulation of aquatic dissolved organic matter**

Zhu, G., Bian, Y., Hursthouse, A. S., Xu, S., Xiong, N. & Wan, P., 31 May 2020, In: Chemosphere. 247, 15 p., 125921.

**Enhanced biosorption of Sb(III) onto living *Rhodotorula mucilaginosa* strain DJHN070401: optimization and mechanism**

Jin, C.-S., Deng, R.-J., Ren, B.-Z., Hou, B.-L. & Hursthouse, A. S., 30 May 2020, (E-pub ahead of print) In: Current Microbiology. 77, p. 2071-2083 13 p.

**Bayesian time-lapse difference inversion based on the exact Zoeppritz equations with blockiness constraint**

Zhou, L., Liao, J., Li, J., Chen, X., Yang, T. & Hursthouse, A., 27 May 2020, In: Journal of Environmental & Engineering Geophysics. 25, 1, p. 89-100 12 p.

**Interference of the polyacrylamide coagulant in the fluorescence analysis of dissolved organic matter during water treatment**

Zhu, G., Liu, J., Ma, J. & Hursthouse, A. S., 30 Apr 2020, In: Environmental Chemistry Letters. 18, p. 1433-1440 8 p.

**The legacy of industrial pollution in estuarine sediments: spatial and temporal variability implications for ecosystem stress**

Rodgers, K., McLellan, I., Peshkur, T., Williams, R., Tonner, R., Knapp, C. W., Henriquez, F. L. & Hursthouse, A. S., 30 Apr 2020, In: Environmental Geochemistry and Health. 42, 4, p. 1057-1068 12 p.

**Open access publishing practice in geochemistry: overview of current state and look to the future**

Pourret, O., Hursthouse, A., Irawan, D. E., Johannesson, K., Liu, H., Poujol, M., Tartese, R., van Hullebusch, E. D. & Wiche, O., 31 Mar 2020, In: Heliyon. 6, 3, 5 p., e03551.

**Efficient removal of Cd(II) using SiO<sub>2</sub>-Mg(OH)<sub>2</sub> nanocomposites derived from sepiolite**

He, Z., Ren, B., Hursthouse, A. & Wang, Z., 26 Mar 2020, (E-pub ahead of print) In: International Journal of Environmental Research and Public Health. 17, 7, 12 p., 2223.

**2D high-resolution crosswell seismic traveltime tomography**

Li, C., Liu, J., Liao, J. & Hursthouse, A., 1 Mar 2020, In: Journal of Environmental & Engineering Geophysics. 25, 1, p. 47-53 7 p.

**Characterization of pore microstructure and methane adsorption of organic-rich black shales in northwestern Hunan, South China**

Huang, Y., Dong, L., Hursthouse, A., Huang, J., Yu, Y. & Huang, J., 1 Mar 2020, In: Energy Exploration & Exploitation. 38, 2, p. 473-493 21 p.

**Microbial diversity in soils from antimony mining sites: geochemical control promotes species enrichment**

Deng, R., Tang, Z., Hou, B., Wang, Z., Zhu, C., Kelly, S. & Hursthouse, A., 24 Feb 2020, In: Environmental Chemistry Letters. 18, 3, p. 911-922 12 p.

**Enhancing the removal of Sb (III) from water: a Fe<sub>3</sub>O<sub>4</sub>@HCO composite adsorbent caged in sodium alginate microbeads**

Zhang, J., Deng, R., Ren, B., Yaseen, M. & Hursthouse, A., 1 Jan 2020, In: Processes. 8, 1, 12 p., 44.

**响应曲面法优化Fe(III)改性卡氏变形杆菌吸附去除Sb(V)及其机理**

Deng, R., Tang, Z., Ren, B., Zhou, S. & Hursthouse, A., 2020, In: Research of Environmental Sciences. 33, 12, p. 2888-2897 10 p.

**Risk assessment of potentially toxic elements pollution from mineral processing steps at Xikuangshan antimony plant, Hunan, China**

Zhou, S., Deng, R. & Hursthouse, A., 25 Dec 2019, In: Processes. 8, 1, 12 p., 29.

**Reliance on fossil fuels in the Scottish public sector**

Idundun, E., McLellan, I. & Hursthouse, A., 27 Nov 2019.

**Removal of manganese(II) from acid mine wastewater: a review of challenges and opportunities with special emphasis on Mn-oxidizing bacteria and microalgae**

Li, Y., Xu, Z., Ma, H. & Hursthouse, A., 26 Nov 2019, In: WATER. 11, 12, 24 p., 2493.

**Air pollutants in urban and semi-rural locations: cytotoxicity of particulate matter metals ions**

Woods, C., Litherland, G. J. (Contributor), Hursthouse, A. (Contributor), Lundy, F. T. (Contributor), Sergeant, G. (Contributor), Lockhart, J. C. (Contributor) & McLellan, I., 22 Nov 2019.

**It's time to replace the term "heavy metals" with "potentially toxic elements" when reporting environmental research**

Pourret, O. & Hursthouse, A., 13 Nov 2019, In: International Journal of Environmental Research and Public Health. 16, 22, 6 p., 4446.

**Potentially toxic elements (PTEs) in crops, soil, and water near Xiangtan manganese mine, China: potential risk to health in the foodchain**

Luo, X., Ren, B., Hursthouse, A. S., Jiang, F. & Deng, R.-J., 8 Nov 2019, In: Environmental Geochemistry and Health. 42, p. 1965-1976 12 p.

**Sb(III) removal from aqueous solution by a novel nano-modified chitosan (NMCS)**

Xiong, N., Wan, P., Zhu, G., Xie, F., Xu, S., Zhu, C. & Hursthouse, A. S., 28 Oct 2019, (E-pub ahead of print) In: Separation & Purification Technology. 236, 116266.

**Metalliferous mine dust: human health impacts and the potential determinants of disease in mining communities**

Entwistle, J. A., Hursthouse, A. S., Marinho Reis, P. A. & Stewart, A. G., 30 Sept 2019, In: Current Pollution Reports. 5, 3, p. 67-83 17 p.

**Preparation of a novel Fe<sub>3</sub>O<sub>4</sub>/HCO composite adsorbent and the mechanism for the removal of antimony (III) from aqueous solution**

Zhang, J., Deng, R., Ren, B., Hou, B. & Hursthouse, A., 10 Sept 2019, In: Scientific Reports. 9, 1, 11 p., 13021.

**Pollution characteristics of Sb, As, Hg, Pb, Cd and Zn in soils from different zones of Xikuangshan antimony mine**

Zhou, S., Hursthouse, A. & Chen, T., 8 Sept 2019, In: Journal of Analytical Methods in Chemistry. 2019, p. 2754385 9 p., 2754385.

**The Society for Environmental Geochemistry and Health (SEGH): building for the future**

Watts, M. J., An, T., Argyraki, A., Arhin, E., Brown, A., Button, M., Entwistle, J. A., Finkelman, R., Gibson, G., Humphrey, O. S., Huo, X., Hursthouse, A. S., Marinho-Reis, A. P., Maseka, K., Middleton, D. R. S., Morton-Bermea, O., Nazarpour, A., Olatunji, A. S., Osano, O. & Potgieter-Vermaak, S. & 8 others, Saini, S., Stewart, A., Tarek, M., Torrance, K., Wong, M. H., Yamaguchi, K. E., Zhang, C. & Zia, M., 2 Aug 2019, (E-pub ahead of print) In: Environmental Geochemistry and Health.

**Public health challenges as a result of contaminated water sources in Kumba, Cameroon**

Nganje, T., Agbor, E., Adamu, C., Upong, A., Katte, B., Edet, A. & Hursthouse, A., 25 Jul 2019, (E-pub ahead of print) In: Environmental Geochemistry and Health. 29 p.

**Leaching and releasing characteristics and regularities of Sb and As from antimony mining waste rocks**

Zhang, Y., Ren, B., Hursthouse, A., Deng, R. & Hou, B., 8 Jul 2019, In: Polish Journal of Environmental Studies. 28, 5, p. 4017-4025 9 p.

**The impact of physical properties on the leaching of potentially toxic elements from antimony ore processing wastes**

Zhou, S. & Hursthouse, A., 1 Jul 2019, In: International Journal of Environmental Research and Public Health. 16, 13, 2355.

Regional distribution characteristics and ecological risk assessment of heavy metal pollution of different land use in an antimony mining area – Xikuangshan, China

Tang, Z.-E., Deng, R.-J., Zhang, J., Ren, B.-Z. & Hursthouse, A., 19 Jun 2019, (E-pub ahead of print) In: Human & Ecological Risk Assessment.

**The potential of remedial techniques for hazard reduction of steel process by products: impact on steel processing, waste management, the environment and risk to human health**

Rodgers, K., McLellan, I., Cuthbert, S., Masaguer Torres, V. & Hursthouse, A., 13 Jun 2019, In: International Journal of Environmental Research and Public Health. 16, 12, 19 p., 2093.

**Distribution, source identification, and ecological-health risks of potentially toxic elements (PTEs) in soil of thallium mine area (southwestern Guizhou, China)**

Jiang, F., Ren, B., Hursthouse, A., Deng, R.-J. & Wang, Z., Jun 2019, In: Environmental Science and Pollution Research. 26, 16, p. 16556-16567 12 p.

**Nanoscale pore characteristics of the Upper Permian mudrocks from a transitional environment in and around eastern Sichuan Basin, China**

Cao, T., Liu, G., Liu, H., Deng, M., Han, Y., Huang, Y. & Hursthouse, A. S., 7 May 2019, In: Acta Geologica Sinica - English Edition. 93, 4, p. 1025-1046 22 p.

**Decision support criteria and the development of a decision support tool for the selection of conservation materials for the built cultural heritage**

Turk, J., Mauko Pranjić, A., Hursthouse, A., Turner, R. & Hughes, J., 1 May 2019, In: Journal of Cultural Heritage. 37, p. 44-53 10 p.

**Environmental factors controlling potentially toxic element behaviour in urban soils, El Tebbin, Egypt**

Said, I., Salman, S. A.E.-R., Samy, Y., Awad, S. A., Melegy, A. & Hursthouse, A., May 2019, In: Environmental Monitoring and Assessment. 191, 267, 15 p.

### **A relative risk assessment of the open burning of WEEE**

Cesaro, A., Belgiorno, V., Gorrasi, G., Viscusi, G., Vaccari, M., Vinti, G., Jandric, A., Dias, M. I., Hursthouse, A. & Salhofer, S., 1 Apr 2019, In: *Environmental Science and Pollution Research*. 26, p. 11042-11052 11 p.

### **Enhanced characterisation for the management of industrial steel processing by products: potential of sequential chemical extraction**

Rodgers, K., McLellan, I. S., Cuthbert, S. J. & Hursthouse, A., 31 Mar 2019, In: *Environmental Monitoring and Assessment*. 191, 3, 19 p., 192.

### **Geochemistry: inorganic**

Trueman, C., Rodgers, K., McLellan, I. & Hursthouse, A., 12 Mar 2019, *Encyclopedia of Analytical Science: Reference Module in Chemistry, Molecular Sciences and Chemical Engineering*. Worsfold, P., Poole, C., Townshend, A. & Miró, M. (eds.). 3 ed. Elsevier Limited, p. 271-282 12 p.

### **Determination of metal content of waste mobile phones and estimation of their recovery potential in Turkey**

Sahan, M., Kucuker, M. A., Demirel, B., Kuchta, K. & Hursthouse, A., 11 Mar 2019, In: *International Journal of Environmental Research and Public Health*. 16, 5, 14 p., 887.

### **Optimization of the integration of Fe/C micro-electrolysis and Fenton in treating coal chemical industry wastewater by response surface methodology**

Hou, B., Liu, Y., Peng, T., Ren, B., Li, Z. & Hursthouse, A. S., Mar 2019, In: *Fresenius Environmental Bulletin*. 28, 3, p. 2005-2011 7 p.

### **Enhanced performance and hindered membrane fouling for the treatment of coal chemical industry wastewater using a novel membrane electro-bioreactor with intermittent direct current**

Hou, B., Kuang, Y., Han, H., Liu, Y., Ren, B., Deng, R. & Hursthouse, A. S., 31 Jan 2019, In: *Bioresource Technology*. 271, p. 332-339 8 p.

### **Adsorption of antimony(III) on to Fe(III)-treated humus sludge adsorbent: behavior and mechanism insights**

Deng, R.-J., Shao, R., Ren, B., Hou, B., Tang, Z. & Hursthouse, A., 2019, In: *Polish Journal of Environmental Studies*. 28, 2, p. 577-586 10 p.

### **Antimony ore tailings: heavy metals, chemical speciation, and leaching characteristics**

Zhou, Y., Ren, B., Hursthouse, A. S. & Zhou, S., 2019, In: *Polish Journal of Environmental Studies*. 28, 1, p. 485-495 11 p.

### **Occurrence and control of N-nitrosodimethylamine in water engineering systems**

Bian, Y., Wang, C., Zhu, G., Ren, B., Zhang, P. & Hursthouse, A., 2019, In: *Environmental Engineering Research*. 24, 1, p. 1-16 16 p.

### **Characteristics and controlling factors of pore structure of the Permian shale in southern Anhui province, East China**

Cao, T., Deng, M., Song, Z., Luo, H. & Hursthouse, A. S., 31 Dec 2018, In: *Journal of Natural Gas Science & Engineering*. 60, p. 228-245 18 p.

### **Potentially toxic elements in urban soils: source apportionment and contamination assessment**

Modabberi, S., Tashakor, M., Sharifi Soltani, N. & Hursthouse, A., 31 Dec 2018, In: *Environmental Monitoring and Assessment*. 190, 12, 18 p., 715.

### **Study on the migration rules of Sb in antimony ore soil based on HYDRUS-1D**

Zhang, Y., Ren, B., Hursthouse, A., Deng, R. & Hou, B., 20 Dec 2018, In: *Polish Journal of Environmental Studies*. 28, 2, p. 965-972 8 p.

### **Tectono-magmatic controls of post-subduction gold mineralisation during late Caledonian soft continental collision in the Southern Uplands-Down-Longford Terrane, Britain and Ireland: a review**

Rice, S., Cuthbert, S. J. & Hursthouse, A., 31 Oct 2018, In: *Ore Geology Reviews*. 101, p. 74-104 31 p.

**Trace metal pollution in topsoil surrounding the Xiangtan manganese mine area (South-Central China): source identification, spatial distribution and assessment of potential ecological risks**

Jiang, F., Ren, B., Hursthouse, A. S. & Zhou, Y., 31 Oct 2018, In: International Journal of Environmental Research and Public Health. 15, 11, 16 p., 2412.

**Carbon efficiency in the Scottish public sector**

Idundun, E., McLellan, I. & Hursthouse, A., 29 Oct 2018.

**Current status and future opportunities of omics tools in mycotoxin research**

Eshelli, M., Qader, M. M., Jambi, E. J., Hursthouse, A. S. & Rateb, M. E., 26 Oct 2018, In: Toxins. 10, 11, 26 p., 433.

**Can the legacy of industrial pollution influence antimicrobial resistance in estuarine sediments?**

Rodgers, K., McLellan, I., Peshkur, T., Williams, R., Tonner, R., Hursthouse, A., Knapp, C. & Henriquez, F., 13 Oct 2018, (E-pub ahead of print) In: Environmental Chemistry Letters. 17, 2, p. 595-607 13 p.

**WEEE collection and CRM recovery trials: piloting a holistic approach for Scotland**

Hursthouse, A., Kelly, S., McPherson, W., Menzies, B., Mirzaeian, M., Wood, D., Hendry, S. & Abbas, Q., 26 Sept 2018, In: Global NEST Journal. 20, 4, p. 712-718 7 p.

**Application of 3-D FKK filtering in 3-D high-density onshore seismic field data**

Liao, J., Fu, S., Xu, Y., Li, W., Chen, J., Wang, H., Peng, S. & Hursthouse, A., 1 Sept 2018, In: Journal of Environmental & Engineering Geophysics. 23, 3, p. 369-376 8 p.

**Sepiolite-based adsorbents for the removal of potentially toxic elements from water: a strategic review for the case of environmental contamination in Hunan, China**

Wang, Z., Liao, L., Hursthouse, A., Song, N. & Ren, B., 3 Aug 2018, In: International Journal of Environmental Research and Public Health. 15, 8, 15 p., 1653.

**Removal of Mn (II) by Sodium Alginate/Graphene Oxide Composite Double-Network Hydrogel Beads from Aqueous Solutions**

Xiuzhen, Y., Tengzhi, Z., Ren, B., Hursthouse, A. & Zhang, Y., 16 Jul 2018, In: Scientific Reports. 8, 16 p., 10717.

**Can legacy pollution influence antimicrobial resistance in estuarine sediments? the geochemical role!**

Rodgers, K., McLellan, I. (Contributor), Peshkur, T. (Contributor), Williams, R. (Contributor), Tonner, R. (Contributor), Hursthouse, A. S. (Contributor), Knapp, C. W. (Contributor) & Henriquez, F. L. (Contributor), 2 Jul 2018, p. 96-96. 1 p.

**Recycling of waste sludge: preparation and application of a sludge based activated carbon**

Bian, Y., Yuan, Q., Zhu, G., Ren, B., Hursthouse, A. & Zhang, P., 19 Jun 2018, In: International Journal of Polymer Science. 2018, 17 p., 8320609.

**3-D Butterworth Filtering for 3-D High-density Onshore Seismic Field Data**

Liao, J., Liu, H., Li, W., Guo, Z., Wang, L., Peng, S. & Hursthouse, A., 1 Jun 2018, In: Journal of Environmental & Engineering Geophysics. 23, 2, p. 223-233

**An Improved SWAT for predicting manganese pollution load at the soil-water interface in a manganese mine area**

Zhang, Y., Ren, B., Hursthouse, A., Deng, R.-J. & Hou, B., 30 May 2018, In: Polish Journal of Environmental Studies. 27, 5, p. 2357-2365 9 p.

**Visible light-driven photocatalytic degradation of 1,2,4-trichlorobenzene with synthesized Co<sub>3</sub>O<sub>4</sub> photocatalyst**

Wang, C., Ren, B., Hursthouse, A., Hou, B. & Peng, Y., 30 May 2018, In: Polish Journal of Environmental Studies. 27, 5, p. 2285-2292 8 p.

**A cationic polymer enhanced PAC for the removal of dissolved aquatic organic carbon and organic nitrogen from surface waters**

Wang, C., Zhu, G., Ren, B., Zhang, P. & Hursthouse, A., 21 May 2018, In: The Canadian Journal of Chemical Engineering. 97, 4

**Genes of past, present and future: does legacy pollution contribute to antibiotic resistance in industrialised estuaries?**

Rodgers, K., McLellan, I., Hursthouse, A., Henriquez, F., Tonner, R., Peshkur, T., Knapp, C. & Williams, R., 26 Apr 2018.

**Genes of past, present and future: does legacy pollution contribute to antibiotic resistance in industrialised estuaries?**

Rodgers, K., Henriquez, F., McLellan, I., Hursthouse, A., Williams, R., Tonner, R., Peshkur, T. & Knapp, C., 12 Apr 2018.

**Preparation and Potential Applications of Super Paramagnetic Nano-Fe<sub>3</sub>O<sub>4</sub>**

Zhan, H., Bian, Y., Yuan, Q., Ren, B., Hursthouse, A. & Zhu, G., 9 Apr 2018, In: Processes. 6, 4, 33.

**Shock-induced olivine-ringwoodite transformation in the shock vein of chondrite GRV053584**

Yin, F., Liao, Z., Hursthouse, A. & Dai, D., 1 Apr 2018, In: Minerals. 8, 139, 11 p., 139.

**Visible light assisted heterogeneous electro-Fenton oxidation of catechol catalyzed by nano-Fe<sub>3</sub>O<sub>4</sub>**

Hou, B., Liu, Y., Ren, B. & Hursthouse, A. S., 1 Mar 2018, In: Fresenius Environmental Bulletin. 27, 3, p. 1681-1687 7 p.

**A mechanistic analysis of the influence of iron-oxidizing bacteria on antimony (V) removal from water by microscale zero-valent iron**

Li, Y., Wu, J., Ren, B. & Hursthouse, A., 9 Feb 2018, (E-pub ahead of print) In: Journal of Chemical Technology and Biotechnology. 93, p. 2527-2534

**Seeking evidence of multidisciplinary in environmental geochemistry and health: an analysis of arsenic in drinking water research**

Aderibigbe, A. D., Stewart, A. G. & Hursthouse, A. S., Feb 2018, In: Environmental Geochemistry and Health. 40, 1, p. 395-413 19 p.

**Spatial variability of trace elements in allotment gardens of four European cities: assessments at city, garden, and plot scale**

Bechet, B., Joimel, S., Jean-Soro, L., Hursthouse, A., Agboola, A., Leitao, T., Costa, H., Cameira, M. D. R., Le Guern, C., Schwartz, C. & Lebeau, T., Feb 2018, In: Journal of Soils and Sediments. 18, 2, p. 391-406

**Gemini surfactant-modified activated carbon for remediation of hexavalent chromium from water**

Zhou, Y., Wang, Z., Hursthouse, A. & Ren, B., 21 Jan 2018, In: WATER. 10, 13 p., 91.

**Environment and human health: the challenge of uncertainty in risk assessment**

Stewart, A. & Hursthouse, A., 17 Jan 2018, In: Geosciences. 8, 1, 20 p.

**A device-specific prioritization strategy based on the potential for harm to human health in informal WEEE recycling**

Cesaro, A., Belgiorno, V., Vaccari, M., Jandric, A., Chung, T. D., Dias, M. I., Hursthouse, A. & Salhofer, S., 1 Jan 2018, In: Environmental Science and Pollution Research. 25, 1, p. 683-692 10 p.

**Assessing PCB pollution in the Baltic Sea - an equilibrium partitioning based study**

Lang, S.-C., Mayer, P., Hursthouse, A., Kotke, D., Hand, I., Schulz-Bull, D. & Witt, G., 1 Jan 2018, In: Chemosphere. 191, p. 886-894 9 p.

**Unexplored areas of direct solvolytic liquefaction of lignocellulosic biomass**

Bahlo, R., Hursthouse, A., Sievers, A. & Willner, T., 1 Jan 2018, In: Chemie Ingenieur Technik. 90, 1-2, p. 47-55 9 p.

**Application of frequency-dependent travelttime tomography to 2D Crosswell seismic field data**

Liao, J., Guo, Z., Liu, H., Dai, S., Zhao, Y., Wang, L., Wang, H. & Hursthouse, A., 1 Dec 2017, In: Journal of Environmental & Engineering Geophysics. 22, 4, p. 421-426 6 p.

**Genes of past, present and future: does legacy pollution contribute to antibiotic resistance in industrialised estuaries?**  
Rodgers, K., Hursthouse, A., McLellan, I., Henriquez, F., Williams, R., Tonner, R., Peshkur, T. & Knapp, C., 24 Nov 2017.

**The potential for the treatment of Antimony-containing Wastewater by Iron-based Adsorbents**  
Deng, R.-J., Jin, C.-S., Ren, B., Hou, B. & Hursthouse, A., 16 Oct 2017, In: WATER. 9, 10, 794.

**WEEE collection and CRM recovery trials: piloting a holistic approach for Scotland**  
Hursthouse, A., Kelly, S., McPherson, W., Menzies, B., Mirzaeian, M. & Wood, D., Sept 2017, *CEST 2017 15th International Conference on Environmental Science and Technology: Rhodes, Greece, 31 August to 2 September 2017*. Global Network on Environmental Science and Technology, 3 p. CEST2017\_00821

**Preparation of a thermally modified diatomite and a removal mechanism for 1-naphthol from solution**  
Xiuzhen, Y., Zhang, Y., Wang, L., Cao, L., Li, K. & Hursthouse, A., 30 Aug 2017, In: WATER. 9, 9, 15 p., 651.

**Studying determinants of compliance with maritime environmental legislation in the North and Baltic Sea Area: a model developed from exploratory qualitative data**  
Freese, T., Struthers, J., Hursthouse, A. & Gille, M., 26 Aug 2017, p. 74-75. 2 p.

**Application of 3-D fluorescence: characterization of natural organic matter in natural water and water purification systems**  
Zhu, G., Bian, Y., Hursthouse, A., Wan, P., Szymannska, K., Ma, J. & Zhao, Z., 21 Aug 2017, (E-pub ahead of print) In: Journal of Fluorescence. 27, 6, p. 2069-2094 26 p.

**Synthesis, characterization, and adsorptive properties of Fe<sub>3</sub>O<sub>4</sub>/GO nano-composites for antimony removal**  
Xiuzhen, Y., Tengzhi, Z., Ren, B., Zhou, S. & Hursthouse, A., 20 Jul 2017, In: Journal of Analytical Methods in Chemistry. 2017, 8 p., 3012364.

**Research on the characteristics and mechanism of the cumulative release of Antimony from an Antimony smelting slag stacking area under rainfall leaching**  
Ren, B., Zhou, Y., Hursthouse, A. & Deng, R., 18 Jul 2017, In: Journal of Analytical Methods in Chemistry. 2017, 8 p.

**Low-impact exploration for gold in the Scottish Caledonides**  
Rice, S., Cuthbert, S., Hursthouse, A. & Broetto, G., 2017, In: Geophysical Research Abstracts. 19, 1 p.

**Timing, controls and tectonic context of gold mineralisation in the Southern Uplands-Longford-Down terrane, Caledonides, Scotland and Ireland**  
Rice, S., Cuthbert, S. & Hursthouse, A., 2017, In: Geophysical Research Abstracts. 19, 1 p.

**Water treatment: Potential of sepiolite mining by products application in Hunan, PRC**  
Song, N., Liao, L., Ren, B., Wang, Z., McLellan, I. & Hursthouse, A., 2017, (Unpublished).

**Study of spatial distribution of heavy metals in agricultural soils of El Tarf area (Northeast Algerian)**  
Zaoui, L., Benslama, M., Hursthouse, A. & Kahit, F., 30 Sept 2016, In: Journal of Biodiversity and Environmental Sciences. 9, 3, p. 158-167 10 p.

**A Quiescent, Regeneration-Responsive Tissue Engineered Mesenchymal Stem Cell Bone Marrow Niche Model via Magnetic Levitation.**  
Lewis, E., Wheadon, H., Lewis, N., Yang, J., Mullin, M., Hursthouse, A., Stirling, D., Dalby, M. & Berry, C., 27 Sept 2016, In: ACS Nano. 10, 9, p. 8346-8354

**Using elemental profiling to determine intrinsic markers to track the dispersal of *Prostephanus truncatus*, a pest of stored grain with alternative natural hosts**  
Tigar, B. & Hursthouse, A., 8 Jul 2016, In: Entomologia Experimentalis et Applicata. 160, 1, p. 83-90 8 p.



**Preparation and characterization of iron-copper binary oxide and its effective removal of antimony (III) from aqueous solution**

Li, Y., Geng, B., Hu, X., Ren, B. & Hursthouse, A., Jul 2016, In: *Water Science & Technology*. 74, 2, p. 393-401 9 p.

**The rapid development of small scale cyclones — numerical modelling versus empirical models**

Haig, C. W., Hursthouse, A., Sykes, D. & Mcilwain, S., Jun 2016, In: *Applied Mathematical Modelling*. 40, 11-12, p. 6082-6104 23 p.

**Environmental pressures on and status of urban allotments**

Hursthouse, A. & Leitao, T., 15 Mar 2016, *Urban Allotment Gardens in Europe*. Bell, S., Fox-Kämper, R., Keshavarz, N., Benson, M., Caputo, S., Noori, S. & Voigt, A. (eds.). Abingdon: Routledge, p. 142-164 23 p.

**Applying Biogeochemistry to Identify the Geographic Origins of Insects-A Model Using *Prostephanus truncatus***

Tigar, B. & Hursthouse, A., 27 Jan 2016, In: *Journal of Environmental Studies*. 2, 1

**A history of urban gardens in Europe**

Keshavarz, N., Bell, S., Zilans, A., Hursthouse, A., Voigt, A., Hobbelink, A., Zammit, A., Jokinen, A., Mikkelsen, B. E., Notteboom, B., Ioannou, B., Certoma, C., Schwab, E., Sentic, I., Barstad, J., Willman, K., Calvet-Mir, L., Balezentiene, L., Weirich, M. & Partalidou, M. & 12 others, Sondermann, M., Latkowska, M., Moran, N., Pihl, O., Ursic, S., Tappert, S., Meeres, S., Noori, S., Anthopoulou, T., Delshammar, T., Heidemann, W. & Gogova, Z., 2016, *Urban Allotment Gardens in Europe*. Bell, S., Fox-Kämper, R., Keshavarz, N., Benson, M., Caputo, S., Noori, S. & Voigt, A. (eds.). Routledge, p. 8-32

**Alkyl Polyglycosides for Efficient Heat Transfer in Water Heating Systems: SafeSol Ltd - Alkyl Polyglucosides**

Yaseen, M., Saleemia, S., Hursthouse, A. (Advisory Editor) & Rateb, M. (Contributor), 2016, Scottish Funding Council. 68 p.

**Ecosystem services from urban gardens**

Langemeyer, J., Latkowska, M. J., Nicolas Gomez-Baggethun, E., Voigt, A., Calvet-Mir, L., Pourias, J., Camps-Calvet, M., Orsini, F., Breuste, J., Artmann, M., Jokinen, A., Bechet, B., da Luz, P. B., Hursthouse, A., Stepien, M. P. & Balezentiene, L., 2016, *Urban Allotment Gardens in Europe*. Bell, S., Fox-Kämper, R., Keshavarz, N., Benson, M., Caputo, S., Noori, S. & Voigt, A. (eds.). Routledge, p. 115-141

**Equilibrium passive sampling as a tool to study polycyclic aromatic hydrocarbons in Baltic Sea sediment pore-water systems**

Lang, S.-C., Hursthouse, A., Mayer, P., Koetke, D., Hand, I., Schulz-Bull, D. & Witt, G., 15 Dec 2015, In: *Marine Pollution Bulletin*. 101, 1, p. 296-303

**Significance of the balance between intracellular glutathione and polyethylene glycol for successful release of small interfering RNA from gold nanoparticles**

McCully, M., Hernandez, Y., Conde, J., Baptista, P. V., de la Fuente, J. M., Hursthouse, A., Stirling, D. & Berry, C. C., Oct 2015, In: *Nano Research*. 8, 10, p. 3281-3292

**The Potential of Sequential Extraction in the Characterisation and Management of Wastes from Steel Processing: A Prospective Review**

Rodgers, K., Hursthouse, A. & Cuthbert, S., Sept 2015, In: *International Journal of Environmental Research and Public Health*. 12, 9, p. 11724-11755

**Preface: Selected papers from the 30th SEGH Conference on Environmental Geochemistry and Health**

Entwistle, J. & Hursthouse, A., Aug 2015, In: *Environmental Geochemistry and Health*. 37, 4, p. 603-603

**The influence of particle size and static magnetic fields on the uptake of magnetic nanoparticles into three dimensional cell-seeded collagen gel cultures**

Lewis, E. E. L., Child, H. W., Hursthouse, A., Stirling, D., McCully, M., Paterson, D., Mullin, M. & Berry, C. C., Aug 2015, In: *Journal of Biomedical Materials Research Part B: Applied Biomaterials*. 103, 6, p. 1294-1301

**Understanding fungal functional biodiversity during the mitigation of environmentally dispersed pentachlorophenol in cork oak forest soils**

Varela, A., Martins, C., Nunez, O., Martins, I., Houbraeken, J. A. M. P., Martins, T. M., Leitao, M. C., McLellan, I., Vetter, W., Galceran, M. T., Samson, R. A., Hursthouse, A. & Pereira, C. S., Aug 2015, In: Environmental Microbiology. 17, 8, p. 2922-2934

**Assessment of the health risk, aesthetic and agricultural quality of rainwater, surface water and groundwater in the shale bedrock areas, southeastern Nigeria**

Nganje, T., Hursthouse, A., Edet, A., Stirling, D. & Adamu, C. I., Jun 2015, In: Water Quality, Exposure & Health. 7, 2, p. 153-178 26 p.

**An empirical investigation into the influence of pressure drop on particle behaviour in small scale reverse-flow cyclones**

Haig, C. W., Hursthouse, A., McIlwain, S. & Sykes, D., May 2015, In: Powder Technology. 275, p. 172-181

**Role of different components of urban and peri-urban forests to store carbon – a case-study of the Sandanski region, Bulgaria**

Zhiyanski, M., Hursthouse, A. & Doncheva, S., May 2015, In: Journal of Chemical, Biological and Physical Sciences. 5, 3, p. 3114-3128

**Evaluation of hydrochemical characteristics and flow directions of groundwater quality in Udi Local Government Area Enugu State, Nigeria**

Chukwura, U. O., Udom, G. J., Cuthbert, S. J. & Hursthouse, A. S., Apr 2015, In: Environmental Earth Sciences. 73, 8, p. 4541-4555

**Hydrochemistry of surface water and groundwater in the shale bedrock, Cross River Basin and Niger Delta Region, Nigeria**

Nganje, T., Hursthouse, A., Edet, A., Stirling, D. & Adamu, C. I., 2015, In: Applied Water Science. 7, 2, p. 961-985 25 p.

**Evaluating environmental and social influences on iron and zinc status of pregnant subsistence farmers in two geographically contrasting regions of Southern Malawi**

Dickinson, N., Rankin, J., Pollard, M., Maleta, K., Robertson, C. & Hursthouse, A., 1 Dec 2014, In: Science of the Total Environment. 500, p. 199-210

**Study on the mobility and bioavailability of PTEs in soils from Urban Forest Parks in Sofia, Bulgaria**

Doichinova, V., Zhiyanski, M., Hursthouse, A. & Bech, J., Dec 2014, In: Journal of Geochemical Exploration. 147, p. 222-228

**Selected papers from the 29th SEGH Conference on Environmental Geochemistry and Health**

De Vleeschouwer, F., Hursthouse, A., Le Roux, G. & Weiss, D., Oct 2014, In: Environmental Geochemistry and Health. 36, 5, p. 829-829

**Multi-hazards coastal vulnerability assessment of Goa, India, using geospatial techniques**

Kunte, P. D., Jauhari, N., Mehrotra, U., Kotha, M., Hursthouse, A. S. & Gagnon, A. S., Jul 2014, In: Ocean & Coastal Management. 95, p. 264-281

**The effect of particle agglomeration and attrition on the separation efficiency of a Stairmand cyclone**

Haig, C. W., Hursthouse, A., McIlwain, S. & Sykes, D., May 2014, In: Powder Technology. 258, p. 110-124

**Development of a robust chromatographic method for the detection of chlorophenols in cork oak forest soils**

McLellan, I., Hursthouse, A., Morrison, C., Varela, A. & Pereira, C. S., Feb 2014, In: Environmental Monitoring and Assessment. 186, 2, p. 1281-1293

**Pedologic characteristics and fungi community in unmanaged cork oak forest soil of two Mediterranean regions: Sardinia and Tunisia**

Fumi, M. D., Mazzoleni, V., Novelli, E., Galli, R., Busconi, M., Blaghen, M., Hassen, A., Hursthouse, A., McLellan, I., Pintus, A., Ruiu, P. A., Pereira, C. S. & Varela, A., 2014, IOBC-WPRS Bulletin, 101, p. 31-38 8 p.

**Erythrocyte selenium concentration as a marker of selenium status**

Stefanowicz, F. A., Talwar, D., O'Reilly, D. S. J., Dickinson, N., Atkinson, J., Hursthouse, A. S., Rankin, J. & Duncan, A., Oct 2013, In: Clinical Nutrition. 32, 5, p. 837-842

**Preface: selected papers from SESEH 2012 Sino-European Symposium on Environment and Health**

Zhang, C., Selinus, O., Hursthouse, A. S., Xia, X. & Ding, S., Oct 2013, In: Environmental Geochemistry and Health. 35, 5, p. 551-552

**Geochemical approach to assessing human impacts in Cork Oak forest soils of the MED region**

McLellan, I., Hursthouse, A., Varela, A. & Pereira, C. S., Sept 2013, In: Journal of Geochemical Exploration. 132, p. 34-40

**Sediment fluxes and the littoral drift along northeast Andhra Pradesh Coast, India: estimation by remote sensing**

Kunte, P. D., Alagarsamy, R. & Hursthouse, A. S., Jun 2013, In: Environmental Monitoring and Assessment. 185, 6, p. 5177-5192

**Development of Decision Support Tools for Assessing the Significance of Exposure of Athletes to Air Pollution: A Scoping Study for Scottish Government**

Baker, J. S., Kilgore, L., Hursthouse, A., Gulliver, J. & Wang, Y., 23 Jan 2013, University of the West of Scotland. 28 p.

**The response of *Mucor plumbeus* to pentachlorophenol: A toxicoproteomics study**

Carvalho, M. B., Martins, I., Medeiros, J., Tavares, S., Planchon, S., Renaut, J., Nunez, O., Gallart-Ayala, H., Galceran, M. T., Hursthouse, A. & Silva Pereira, C., 14 Jan 2013, In: Journal of Proteomics. 78, p. 159-171

**Elucidating the function of penetratin and a static magnetic field in cellular uptake of magnetic nanoparticles**

Chaudhary, S., Smith, C. A., Del Pino, P., de la Fuente, J. M., Mullin, M., Hursthouse, A., Stirling, D. & Berry, C. C., 2013, In: Pharmaceuticals (Basel, Switzerland). 6, 2, p. 204-22 19 p.

**Harmonisation of physical and chemical methods for soil management in Cork Oak forests: Lessons from collaborative investigations**

McLellan, I., Varela, A., Blaghen, M., Fumi, M. D., Hassen, A., Hechminet, N., Jaouani, A., Khessairi, A., Lyamlouli, K., Ouzari, H.-I., Mazzoleni, V., Novelli, E., Pintus, A., Rodrigues, C., Ruiu, P. A., Pereira, C. S. & Hursthouse, A., 2013, In: African Journal of Environmental Science and Technology. 7, 6

**Evaluating the impact of interdisciplinary networking in environmental geochemistry and health: reviewing SEGH conferences and workshops**

Stewart, A. G., Worsley, A., Holden, V. & Hursthouse, A. S., Dec 2012, In: Environmental Geochemistry and Health. 34, 6, p. 653-664

**Study On Ecosystem Components Of Technological Waste Bank Reclaimed After Steel Production**

Sokolowska, M., Zhiyanski, M., Hursthouse, A. & Bech, J., 2012, In: Ekologia (Bratislava). 31, 4, p. 434-447

**Degradation pathway of pentachlorophenol by *Mucor plumbeus* involves phase II conjugation and oxidation-reduction reactions**

Carvalho, M. B., Tavares, S., Medeiros, J., Nunez, O., Gallart-Ayala, H., Leitao, M. C., Teresa Galceran, M., Hursthouse, A. & Pereira, C. S., 30 Dec 2011, In: Journal of Hazardous Materials. 198, p. 133-142

**Working Together: The Combined Application of a Magnetic Field and Penetratin for the Delivery of Magnetic Nanoparticles to Cells in 3D**

Child, H. W., del Pino, P. A., De la Fuente, J. M., Hursthouse, A. S., Stirling, D., Mullen, M., McPhee, G. M., Nixon, C., Jayawarna, V. & Berry, C. C., Oct 2011, In: ACS Nano. 5, 10, p. 7910-7919

**Human bioaccessibility of Cr, Cu, Ni, Pb and Zn in urban soils from the city of Torino, Italy**

Sialelli, J., Davidson, C. M., Hursthouse, A. S. & Ajmone-Marsan, F., Jun 2011, In: *Environmental Chemistry Letters*. 9, 2, p. 197-202

**Use of a physiologically based extraction test to estimate the human bioaccessibility of potentially toxic elements in urban soils from the city of Glasgow, UK**

Sialelli, J., Urquhart, G. J., Davidson, C. M. & Hursthouse, A. S., Dec 2010, In: *Environmental Geochemistry and Health*. 32, 6, p. 517-527

**Influence of different management strategies of a cork oak forest on chemical and microbiological characters of soils**

Fumi, M. D., Mazzoleni, V., Novelli, E., Pintus, A., Ruiu, P. A., Silva Pereira, C. & Hursthouse, A., Oct 2010, *Working Group "Integrated Protection in Oak Forests": Proceedings of the meeting at Tempio Pausania (Italy), 04 - 07 October, 2010*. Ruiu, P. A. & Villemant, C. (eds.). International Organisation for Biological and Integrated Control, p. 59-65

**Measurement of arsenic and gallium content of gallium arsenide semiconductor waste streams by ICP-MS**

Torrance, K. W., Keenan, H. E., Hursthouse, A. S. & Stirling, D., 2010, In: *Journal of Environmental Science and Health, Part A*. 45, 4, p. 471-475

**Using Mass Reconstruction along a Four-Site Transect as a Method to Interpret PM10 in West-Central Scotland, United Kingdom**

Gibson, M. D., Heal, M. R., Bache, D. H., Hursthouse, A. S., Beverland, I. J., Craig, S. E., Clark, C. F., Jackson, M. H., Guernsey, J. R. & Jones, C., Dec 2009, In: *Journal of the Air & Waste Management Association*. 59, 12, p. 1429-1436

**Screening pentachlorophenol degradation ability by environmental fungal strains belonging to the phyla Ascomycota and Zygomycota**

Carvalho, M. B., Martins, I., Leitao, M. C., Garcia, H., Rodrigues, C., Romao, V. S., McLellan, I., Hursthouse, A. & Pereira, C. S., Oct 2009, In: *Journal of Industrial Microbiology & Biotechnology*. 36, 10, p. 1249-1256

**The influence of anthropogenic and natural geochemical factors on urban soil quality variability: a comparison between Glasgow, UK and Aveiro, Portugal**

Rodrigues, S., Urquhart, G., Hossack, I., Pereira, M. E., Duarte, A. C., Davidson, C., Hursthouse, A., Tucker, P. & Roberston, D., Jun 2009, In: *Environmental Chemistry Letters*. 7, 2, p. 141-148

**Micronutrient deficiencies in maternity and child health: a review of environmental and social context and implications for Malawi**

Dickinson, N., Macpherson, G., Hursthouse, A. S. & Atkinson, J., Apr 2009, In: *Environmental Geochemistry and Health*. 31, 2, p. 253-272 20 p.

**Transport and dynamics of toxic pollutants in the natural environment and their effect on human health: research gaps and challenge**

Hursthouse, A. & Kowalczyk, G., Apr 2009, *ENVIRONMENTAL GEOCHEMISTRY AND HEALTH*. p. 165-187 (ENVIRONMENTAL GEOCHEMISTRY AND HEALTH; vol. 31, no. 2).

**The variability of polychlorinated biphenyls levels in urban soils from five European cities**

Cachada, A., Lopes, L. V., Hursthouse, A. S., Biasioli, M., Grcman, H., Otabbong, E., Davidson, C. M. & Duarte, A. C., Feb 2009, In: *Environmental Pollution*. 157, 2, p. 511-518

**A review of regulatory decisions for environmental protection: Part I - Challenges in the implementation of national soil policies**

Rodrigues, S. M., Pereira, M. E., da Silva, E. F., Hursthouse, A. S. & Duarte, A. C., Jan 2009, In: *Environment International*. 35, 1, p. 202-213

**A review of regulatory decisions for environmental protection: Part II-The case-study of contaminated land management in Portugal**

Rodrigues, S. M., Pereira, M. E., da Silva, E. F., Hursthouse, A. S. & Duarte, A. C., Jan 2009, In: *Environment International*. 35, 1, p. 214-225

**A framework to explore micronutrient deficiency in maternal and child health in Malawi, Southern Africa**

Dickinson, N., Gulliver, J., MacPherson, G., Atkinson, J., Rankin, J., Cummings, M., Nisbet, Z., Hursthouse, A., Taylor, A., Robertson, C. & Burghardt, W., 2009, *Environmental Health*. BioMed Central, Vol. 8. (Environmental Health; vol. 8).

**Knowledge exchange on public policy: Bridging the gap between environmental research and local decision-makers**

Gagnon, A., Tucker, P., Thomas, R. & Hursthouse, A., 2009, Scottish Funding Council.

**Cobalt and secondary poisoning in the terrestrial food chain: Data review and research gaps to support risk assessment**

Gal, J., Hursthouse, A., Tatner, P., Stewart, F. & Welton, R., Aug 2008, In: *Environment International*. 34, 6, p. 821-838

**Distribution and mobility of As and Sb in stream water, sediment and suspended matter in a former mining area at Glendinning, southern Scotland.**

Gal, J., Cuthbert, S. & Hursthouse, A., Mar 2008.

**Metals in particle-size fractions of the soils of five European cities**

Ajmone-Marsan, F., Biasioli, M., Kralj, T., Grcman, H., Davidson, C. M., Hursthouse, A. S., Madrid, L. & Rodrigues, S., Mar 2008, In: *Environmental Pollution*. 152, 1, p. 73-81

**Metal uptake by woodlice in urban soils**

Gal, J., Markiewicz-Patkowska, J., Hursthouse, A. & Tatner, P., Jan 2008, In: *Ecotoxicology and Environmental Safety*. 69, 1, p. 139-149

**AN INFORMATION FRAMEWORK FOR SUPPORTING THE IMPLEMENTATION OF THE EU THEMATIC STRATEGY ON SOIL PROTECTION IN PORTUGAL**

Rodrigues, S., Pereira, E., Hursthouse, A. & Duarte, A., 2008, *CONSOIL 2008: THEME A - POLICIES ON SOIL-WATER SYSTEMS*. p. 34-42

**Pentachlorophenol in Quercus suber forests: An initial study in Tunisia**

McLellan, I., Rodrigues, C., Leitao, M. C., Varela, A., Carvalho, M. B., Martins, I., Garcia, H., Petkovic, M., Hassen, M., Hursthouse, A., Romao, V. S. & Pereira, C. S., 2008.

**Tree species effect on soils in central Stara Planina Mountains**

Zhiyanski, M., Kolev, K., Sokolovska, M. & Hursthouse, A., 2008, In: *Nauka za Gorata*. p. 65-82

**Quality and comparability of measurement of potentially toxic elements in urban soils by a group of European laboratories**

Davidson, C. M., Norden, A., Urquhart, G. J., Ajmone-Marsan, F., Biasioli, M., Duarte, A. C., Diaz-Barrientos, E., Grcman, H., Hodnik, A., Hossack, I., Hursthouse, A. S., Ljung, K., Madrid, F., Otabbong, E. & Rodrigues, S., 15 Jul 2007, In: *International Journal of Environmental Analytical Chemistry*. 87, 8, p. 589-601 13 p.

**Soil pollution by PAHs in urban soils: a comparison of three European cities**

Morillo, E., Romero, A. S., Maqueda, C., Madrid, L., Ajmone-Marsan, F., Grcman, H., Davidson, C. M., Hursthouse, A. S. & Villaverde, J., 6 Jul 2007, In: *Journal of Environmental Monitoring*. 9, p. 1001-1008 8 p.

**The environmental behaviour of polychlorinated phenols and its relevance to cork forest ecosystems: a review**

McLellan, I., Carvalho, M., Pereira, C. S., Hursthouse, A., Morrison, C., Tatner, P., Martins, I., San Romao, M. V. & Leitao, M., 6 Jul 2007, In: *Journal of Environmental Monitoring*. 9, p. 1055-1063 9 p.

**Bioavailability of arsenic and antimony in soils from an abandoned mining area, Glendinning (SW Scotland)**

Gal, J., Hursthouse, A. & Cuthbert, S., 2007, In: *Journal of Environmental Science and Health, Part A*. 42, 9, p. 1263-1274 12 p.

**Variability in concentrations of potentially toxic elements in urban parks from six European cities**

Madrid, L., Diaz-Barrientos, E., Ruiz-Cortes, E., Reinoso, R., Biasioli, M., Davidson, C. M., Duarte, A. C., Grcman, H., Hossack, I., Hursthouse, A. S., Kralj, T., Ljung, K., Otabbong, E., Rodrigues, S., Urquhart, G. J. & Ajmone-Marsan, F., 26

Sept 2006, In: Journal of Environmental Monitoring. 8, 11, p. 1158-1165 8 p.

**Mercury in urban soils: a comparison of local spatial variability in six European cities**

Rodrigues, S., Pereira, M. E., Duarte, A. C., Ajmone-Marsan, F., Davidson, C. M., Grcman, H., Hossack, I., Hursthouse, A. S., Ljung, K., Martini, C., Otabbong, E., Reinoso, R., Ruiz-Cortes, E., Urquhart, G. J. & Vrscaj, B., 15 Sept 2006, In: Science of the Total Environment. 368, 2-3, p. 926-936 11 p.

**Sediment influence on congener-specific PCB bioaccumulation by *Mytilus edulis*: a case study from an intertidal hot spot, Clyde Estuary, UK**

Edgar, P. J., Hursthouse, A. S., Matthews, J. E., Davies, I. M. & Hillier, S., 20 Jul 2006, In: Journal of Environmental Monitoring. 8, 9, p. 887-896 10 p.

**Fractionation of potentially toxic elements in urban soils from five European cities by means of a harmonised sequential extraction procedure**

Davidson, C. M., Urquhart, G. J., Ajmone-Marsan, F., Biasioli, M., da Costa Duarte, A., Diaz-Barrientos, E., Grcman, H., Hossack, I., Hursthouse, A. S., Madrid, L., Rodrigues, S. & Zupan, M., 13 Apr 2006, In: Analytica Chimica Acta. 565, 1, p. 63-72 10 p.

**Chemical availability of arsenic and antimony in industrial soils**

Gal, J., Hursthouse, A. S. & Cuthbert, S. J., Feb 2006, In: Environmental Chemistry Letters. 3, 4, p. 149-153 5 p.

**Impact of urbanisation on soil characteristics**

Doichinova, V., Zhiyanski, M. & Hursthouse, A., Feb 2006, In: Environmental Chemistry Letters. 3, 4, p. 160-163 4 p.

**Development and application of a catchment scale diffuse nitrate modelling tool**

Liu, S., Tucker, P., Mansell, M. & Hursthouse, A., 30 Aug 2005, In: Hydrological Processes. 19, 13, p. 2625-2639 15 p.

**The interaction of heavy metals with urban soils: sorption behaviour of Cd, Cu, Cr, Pb and Zn with a typical mixed brownfield deposit**

Markiewicz-Patkowska, J., Hursthouse, A. & Przybyla-Kij, H., May 2005, In: Environment International. 31, 4, p. 513-521 9 p.

**A pilot study of personal exposure to respirable and inhalable dust during the sanding and sawing of medium density fibreboard (MDF) and soft wood**

Hursthouse, A., Allan, F., Rowley, L. & Smith, F., Aug 2004, In: International Journal of Environmental Health Research. 14, 4, p. 323-326 4 p.

**Should acid ammonium oxalate replace hydroxylammonium chloride in step 2 of the revised BCR sequential extraction protocol for soil and sediment?**

Davidson, C. M., Hursthouse, A. S., Tognarelli, D. M., Ure, A. M. & Urquhart, G. J., 22 Apr 2004, In: Analytica Chimica Acta. 508, 2, p. 193-199 7 p.

**A GIS and web-based decision support tool for the management of urban soils**

Hossack, I., Robertson, D., Tucker, P., Hursthouse, A. & Fyfe, C., 2004, In: Cybernetics and Systems. 35, 5-6, p. 499-509 11 p.

**Mathematical models of the basic multifunctional reactors in water treatment systems.**

Adamski, W., Hursthouse, A. & Markiewicz-Patkowska, J., 2004, In: Systems. 9, 1-2, p. 49-60 12 p.

**Metal content of surface soils in parks and allotments from three European cities: initial pilot study results**

Hursthouse, A., Tognarelli, D., Tucker, P., Ajmone Marsan, F., Martini, C., Madrid, L., Madrid, F. & Diaz-Barrientos, E., 2004, In: Land Contamination & Reclamation. 12, 3, p. 189-196 8 p.

**The role of bio-monitoring in the risk assessment of heavy metals and metalloids in mining and urban environments**

Markiewicz-Patkowska, J., Gal, J., Hursthouse, A. & Adamski, W., 2004, In: Environment Protection Engineering. 30, 1-2, p. 5-17 13 p.

Chromium in intertidal sediments of the Clyde, UK: potential for remobilisation and bioaccumulation  
Hursthouse, A. S., Matthews, J. M., Figures, J. E., Iqbal-Zahid, P., Davies, I. M. & Vaughan, D. H., Jun 2003, In: Environmental Geochemistry and Health. 25, 2, p. 171-203 33 p.

Application of a water quality model in the white cart water catchment, Glasgow, UK  
Liu, S., Tucker, P., Mansell, M. & Hursthouse, A., Mar 2003, In: Environmental Geochemistry and Health. 25, 1, p. 57-62 6 p.

A preliminary study of the phycological degradation of natural stone masonry  
Welton, R. G., Cuthbert, S. J., McLean, R., Hursthouse, A. & Hughes, J., Mar 2003, In: Environmental Geochemistry and Health. 25, 1, p. 139-145 7 p.

An investigation of geochemical factors controlling the distribution of PCBs in intertidal sediments at a contamination hot spot, the Clyde Estuary, UK  
Edgar, P. J., Hursthouse, A. S., Matthews, J. E. & Davies, I. M., Feb 2003, In: Applied Geochemistry. 18, 2, p. 327-338 12 p.

Potential of electrophilic epoxide reactions for the monitoring of acid gases in the environment  
Muir, B., Wilson, M., Rowley, L., Smith, F. J. & Hursthouse, A., 22 Nov 2002, In: Journal of Chromatography A. 977, 2, p. 251-256 6 p.

Focus on education and training: health, safety, waste and environmental management training - balancing business needs with academic goals  
McQuaid-Cook, J., Hursthouse, A. & Allan, F., Oct 2002, In: Journal of Environmental Monitoring. 4, 5, p. 84N-87N 4 p.

**Application of diffusion-based surveys in the district-wide assessment of benzene and select volatile organic compounds in urban environments: a case study from Renfrewshire, Scotland**  
Muir, B., Hursthouse, A. & Smith, F., Oct 2001, In: Journal of Environmental Monitoring. 3, 6, p. 646-653 8 p.

**Chromium behaviour in intertidal sediments and pore waters, R. Clyde, UK**  
Hursthouse, A. S., Matthews, J., Figures, J., Iqbal-Zahid, P., Davies, I. & Vaughan, H., Sept 2001, In: Environmental Geochemistry and Health. 23, 3, p. 253-259 7 p.

**The relevance of speciation in the remediation of soils and sediments contaminated by metallic elements - an overview and examples from Central Scotland, UK**  
Hursthouse, A., Feb 2001, In: Journal of Environmental Monitoring. 3, 1, p. 49-60 12 p.

**The influence of clay mineralogy on the mobility of radiocaesium in upland soils of NW Italy**  
Facchinelli, A., Gallini, L., Barberis, E., Magnoni, M. & Hursthouse, A., 2001, In: Journal of Environmental Radioactivity. 56, 3, p. 299-307 9 p.

Heavy metal content of newspapers: longitudinal trends  
Tucker, P., Douglas, P., Durrant, A. & Hursthouse, A. S., 30 Jan 2000, In: Environmental Management and Health. 11, 1, p. 47-66 20 p.

**The screening and scale up of ex situ physico-chemical treatment options for Cr-contaminated ground and surface waters, Glasgow, UK**  
Hursthouse, A., Forster, K., Murney, G., Tucker, P., Whalley, C., Wiltshire, G., Gallagher, S., Osinski, J. & Wargocki, K., 2000, In: Land Contamination & Reclamation. 8, 4, p. 271-279 9 p.

**Chromium speciation in natural waters draining contaminated land, Glasgow, UK**  
Whalley, C., Hursthouse, A., Rowlatt, S., Iqbal-Zahid, P., Vaughan, H. & Durant, R., Jun 1999, In: Water, Air, & Soil Pollution: An International Journal of Environmental Pollution. 112, 3-4, p. 389-405 17 p.

**The biogeochemistry of polychlorinated biphenyls (PCBs) in the Clyde: Distribution and source evaluation: distribution and source evaluation**

Edgar, P. J., Davies, I. M., Hursthouse, A. S. & Matthews, J. E., Jun 1999, In: Marine Pollution Bulletin. 38, 6, p. 486-496 11 p.

An improved method for the simultaneous determination of Sb, As, Bi, Ge, Se, and Te by hydride generation ICP-AES: Application to environmental samples

Morrow, A., Wiltshire, G. & Hursthouse, A., Feb 1997, In: Atomic Spectroscopy. 18, 1, p. 23-28 6 p.

Comparison of the influence of sediment and diet as sources of metals for diatoms and meiofauna.

Figures, J., Hursthouse, A. & Matthews, J., 1997, In: Coastal Zone Topics Process Ecology & Management. 3, p. 66-79 14 p.

Factors controlling the mobility of radiocesium in soils .1. soil properties and mineralogy

Facchinelli, A., Gallini, L., Barberis, E. & Hursthouse, A. S., 1995, In: Fresenius Environmental Bulletin. 4, 11, p. 701-705 5 p.

Comprehensive cleanup

Hursthouse, A. S., Zayane, S. & Cooke, D. A., 1994, In: Chemistry in Britain. 30, 2, p. 109-109 1 p.

Inorganic and organic contaminants in intertidal sediments of the Clyde: preliminary observations of historical trends?

Hursthouse, A. S., Adamczyk, M., Adamczyk, L., Smith, F. J. & Iqbal, P., 1994, In: Marine Pollution Bulletin. 28, 12, p. 765-767 3 p.

**Evidence for the remobilisation of transuranic elements in the terrestrial environment**

Hursthouse, A. S. & Livens, F. R., 1993, In: Environmental Geochemistry and Health. 15, 2-3, p. 163-171 9 p.

Sampling interstitial waters from intertidal sediments: an inexpensive device to overcome an expensive problem?

Hursthouse, A. S., Iqbal, P. P. & Denman, R., 1993, In: Analyst. 118, 11, p. 1461-1462 2 p.

Soil and sediment chemistry of the transuranic elements

Livens, F. R. & Hursthouse, A. S., 1993, In: Analytical Proceedings. 30, 4, p. 196-198 3 p.

Evaluation of methods for the assay of neptunium and other long-lived actinides in environmental matrices

Hursthouse, A. S., Baxter, M. S., McKay, K. & Livens, F. R., 1992, In: Journal of Radioanalytical and Nuclear Chemistry. 157, 2, p. 281-294 14 p.

**Transfer of sellafield-derived <sup>237</sup>Np to and within the terrestrial environment**

Hursthouse, A. S., Baxter, M. S., Livens, F. R. & Duncan, H. J., 1991, In: Journal of Environmental Radioactivity. 14, 2, p. 147-174 28 p.

**The determination of actinides in environmental-samples by ICP-MS**

Toole, J., Hursthouse, A. S., McDonald, P., Sampson, K., Baxter, M. S. & McKay, K., 1990, *Plasma Source Mass Spectrometry*. Jarvis, K. E., Gray, A. L., Williams, J. G. & Jarvis, I. (eds.). Royal Society of Chemistry, Vol. 85. p. 155-162 (Royal Society of Chemistry Special Publications).

## Activities

**NERC Highlight Topics 2024 peer review**

Hursthouse, A. (Examiner)

10 Feb 2025



**Fostering collaboration to develop sustainable systems for national and cross-border e-waste management**

Hursthouse, A. (Invited speaker)

12 Dec 2024

**Sustainability Seminar: Green Consumption for a sustainable future**

Hursthouse, A. (Invited speaker)

22 Nov 2024

**PhD examination**

Hursthouse, A. (Examiner)

18 Nov 2024

**PhD Examination**

Hursthouse, A. (Examiner)

11 Nov 2024

**Society for Environmental Geochemistry & Health - Fellows Live**

Hursthouse, A. (Invited speaker)

8 Nov 2024

**PhD Examination**

Hursthouse, A. (Examiner)

18 Oct 2024

**UG Engineering Suite Review and Approval Event (Event)**

Hursthouse, A. (Member)

10 Sept 2024

**NCN funding panel 53ed ST10B PRELUDIUM (Earth & Environmental Sciences)**

Hursthouse, A. (Examiner)

2 Sept 2024 → 3 Sept 2024

**PhD Examination**

Hursthouse, A. (Examiner)

20 Aug 2024

**Antimicrobial resistance in the environment – Indo-UK initiative to study the impact of pharmaceutical wastes**

Hursthouse, A. (Speaker)

12 Aug 2024

**Research & Development Funding: Expert Panel of Biological and Environmental Sciences, Estonian Research Council**

Hursthouse, A. (Examiner)

20 Jun 2024

**Research Infrastructure review**

Hursthouse, A. (Examiner)

4 Jun 2024

**Healthy Soils**

Hursthouse, A. (Participant)

13 May 2024

**PANORAMA ITN end of network meeting**

Hursthouse, A. (Participant)

20 Mar 2024 → 22 Mar 2024

**PhD Examination**

Hursthouse, A. (Examiner)  
15 Mar 2024

**PhD Examination**

Hursthouse, A. (Examiner)  
16 Feb 2024

**PhD Examination**

Hursthouse, A. (Examiner)  
9 Oct 2023

**PhD Examination**

Hursthouse, A. (Examiner)  
29 Sept 2023

**Aiding and addressing: How can universities promote best practice for clean water and sanitation**

Hursthouse, A. (Speaker)  
11 Sept 2023

**NCN Funding Panel 49ed ST10B PRELUDIUM (Earth & Environmental Sciences)**

Hursthouse, A. (Examiner)  
4 Sept 2023 → 5 Sept 2023

**Environmental impact on land condition and challenges from China's industrial expansion**

Hursthouse, A. (Speaker)  
25 Aug 2023

**Recycling of Waste Electronic & Electrical Equipment (WEEE): scope to improve productivity and safety in the informal sector, a case study from Port Harcourt, Nigeria**

Hursthouse, A. (Speaker), Okwu, O. (Speaker), Viza, E. (Speaker) & Idoko, L. (Speaker)  
5 Jul 2023

**Developing a low carbon future for business**

Hursthouse, A. (Speaker)  
7 Jun 2023

**PhD Examination**

Hursthouse, A. (Examiner)  
2 Jun 2023

**Resource Exploitation and Environmental Impact: challenges from China's rapid industrial expansion**

Hursthouse, A. (Speaker)  
1 Jun 2023

**PhD Examination**

Hursthouse, A. (Examiner)  
27 Mar 2023

**Climate, Carbon and Net Zero: developing a low carbon future for business (and your life).**

Hursthouse, A. (Speaker)  
2 Mar 2023

**PhD examination**

Hursthouse, A. (Examiner)  
8 Feb 2023

**PhD examination**

Hursthouse, A. (Examiner)  
3 Feb 2023

**"Its Really Personal .....and its 'Gonna' Hurt!": Operational Change in the Process Industry**

Hursthouse, A. (Speaker)  
2 Dec 2022

**University of Naples Federico II**

Viza, E. (Visiting researcher) & Hursthouse, A. (Visiting researcher)  
1 Dec 2022 → 3 Dec 2022

**Development of functional materials for the removal of heavy metals from industrial waste waters**

Mirzaeian, M. (Invited speaker), Abbas, Q. (Speaker), Hursthouse, A. (Speaker), Aidarova, S. (Speaker), Gabdullin, M. (Speaker) & Ospanova, Z. (Speaker)  
24 Nov 2022 → 26 Nov 2022

**Resource Exploitation and Environmental Impact: challenges from China's rapid industrial expansion**

Hursthouse, A. (Speaker)  
1 Nov 2022

**The 4th International Electronic Conference on Environmental Research and Public Health (Event)**

Hursthouse, A. (Member)  
15 Oct 2022 → 30 Oct 2022

**NIHR PROSPERO (International Prospective Register of Systematic Reviews) (Publisher)**

Lynch, M. (Peer reviewer), Miller, C. (Peer reviewer), Dickinson, N. (Peer reviewer) & Hursthouse, A. (Peer reviewer)  
5 Sept 2022 → 30 Jun 2023

**BIOGEMON 2022 10th international Symposium on Ecosystem Behavior**

Van Drimmelen, C. (Invited speaker), Hursthouse, A. (Participant) & Heise, S. (Participant)  
26 Jun 2022 → 30 Jun 2022

**PhD Examination**

Hursthouse, A. (Examiner)  
17 Jun 2022

**SETAC Europe 32nd annual meeting**

Van Drimmelen, C. (Invited speaker), Revel, M. (Participant), Hursthouse, A. (Participant) & Heise, S. (Participant)  
15 May 2022 → 19 May 2022

**SETAC Europe 32nd annual meeting**

Revel, M. (Invited speaker), Van Drimmelen, C. (Participant), Hursthouse, A. (Participant) & Heise, S. (Participant)  
15 May 2022 → 19 May 2022

**SETAC Europe 32nd annual meeting**

Van Drimmelen, C. (Invited speaker), Vives I Batlle, J. (Participant), Hursthouse, A. (Participant) & Heise, S. (Participant)  
15 May 2022 → 19 May 2022

**SETAC Europe 32nd annual meeting**

Revel, M. (Invited speaker), Medjoubi, K. (Participant), Hursthouse, A. (Participant) & Heise, S. (Participant)  
15 May 2022 → 19 May 2022

**Peer Review MRC**

Hursthouse, A. (Examiner)  
4 Apr 2022

**MSc Engineering Programme Approval Event (Event)**

Hursthouse, A. (Member)  
28 Feb 2022

**PhD Examination**

Hursthouse, A. (Examiner)  
18 Feb 2022

**Workshop on Childhood Lead Exposure**

Hursthouse, A. (Invited speaker)  
8 Feb 2022

**PhD Examination**

Hursthouse, A. (Examiner)  
4 Feb 2022

**Cop26 Universities Network Films**

Hursthouse, A. (Invited speaker)  
12 Nov 2021

**Discussing COP26 impacts and research contributions**

Hursthouse, A. (Interviewee)  
11 Nov 2021

**Closing the Loop in ICT - COP26**

Rampen, C. (Speaker), Culligan, K. (Speaker) & Hursthouse, A. (Speaker)  
2 Nov 2021

**COP26 ETP: Collaborative approaches to North – South innovation in waste and energy policy**

Jeffery, G. (Speaker), Hursthouse, A. (Speaker), Chukwura-Osoagba, U. (Speaker) & Shetty, V. (Speaker)  
18 Oct 2021

**Sustainable Mineral Resources in the Philippines: Assessment Panel**

Hursthouse, A. (Examiner)  
27 Sept 2021 → 29 Sept 2021

**National Research Funding Competition 2022**

Hursthouse, A. (Examiner)  
22 Sept 2021

**Cyprus Research Promotion Foundation (RPF) evaluation**

Hursthouse, A. (Examiner)  
4 Aug 2021 → 11 Aug 2021

**PhD examination**

Hursthouse, A. (Examiner)  
27 Jul 2021

**UKRI Future Leaders Fellowship**

Hursthouse, A. (Examiner)  
8 Jul 2021

**BBSRC Fellowship Scheme**

Hursthouse, A. (Examiner)  
7 Jul 2021

**Sustainable Urban Ecosystems – resilience of soils in contaminated landscapes**

Hursthouse, A. (Speaker)  
17 Jun 2021

**PhD Examination**

Hursthouse, A. (Examiner)  
6 May 2021

**RCN Expert Advisory Panel 2.3 "Public Health"**

Hursthouse, A. (Member)  
4 May 2021 → 5 May 2021

**Health Risk of Environmental Hazards: Principles of impact and control**

Hursthouse, A. (Speaker)  
6 Apr 2021

**Peer Review SONATA funding scheme National Science Centre Poland**

Hursthouse, A. (Examiner)  
1 Apr 2021

**Journal of Hazardous Materials Advances (Journal)**

Hursthouse, A. (Editorial board member)  
Apr 2021 → ...

**PhD Examination**

Hursthouse, A. (Examiner)  
30 Mar 2021

**Sustainable Mineral Resources in the Philippines: Partnership & Project Development Grant assessment panel**

Hursthouse, A. (Member)  
9 Mar 2021 → 11 Mar 2021

**COST Action Network Evaluation OC 2020-1**

Hursthouse, A. (Examiner)  
Jan 2021 → ...

**PhD Examination**

Hursthouse, A. (Examiner)  
4 Dec 2020

**Environmental Earth Sciences (Journal)**

Hursthouse, A. (Editorial board member)  
30 Oct 2020 → ...

**NERC Highlight Topics Round 6 Moderating Panel**

Hursthouse, A. (Member)  
20 Oct 2020 → 21 Oct 2020

**Environmental Clerk of Works: foundation programme**

Hursthouse, A. (Speaker), McLellan, I. (Speaker), Konanahalli, A. (Speaker), Miller, J. (Speaker), Cowie, P. (Speaker),  
Deuchar, R. (Speaker), Ion, R. (Speaker) & Knott, S. (Speaker)  
Oct 2020 → Nov 2020

**FLAIR Fellowships 2021 Peer Review**

Hursthouse, A. (Reviewer)  
15 Sept 2020

**PhD Examination**

Hursthouse, A. (Examiner)  
15 Jun 2020

**Peer review Environmental Biotechnology Network fund**

Hursthouse, A. (Examiner)  
8 Jun 2020

**Peer Review: Grant Assessment Applied & Engineering Sciences**

Hursthouse, A. (Examiner)  
5 May 2020

**Environmental Clerk of Works: foundation programme**

Hursthouse, A. (Speaker), McLellan, I. (Speaker), Radosavljevic, M. (Speaker), Miller, J. (Speaker), Cowie, P. (Speaker),  
Deuchar, R. (Speaker), Ion, R. (Speaker) & Knott, S. (Speaker)  
May 2020 → Jun 2020

**PhD examination**

Hursthouse, A. (Examiner)  
31 Mar 2020

**Health risk of environmental hazards: principles of impact and control**

Hursthouse, A. (Speaker)  
24 Mar 2020

**Soil Contaminant Baselines in the Management of Urban Ecosystems**

Hursthouse, A. (Invited speaker)  
18 Feb 2020

**Urban Geochemistry**

Hursthouse, A. (Invited speaker)  
14 Jan 2020

**Industrial Wastes: generation, treatment & resource recovery**

Hursthouse, A. (Speaker)  
18 Dec 2019

**Water Treatment & Control**

Hursthouse, A. (Speaker)  
18 Dec 2019

**Environmental Control: Business & Industrial Regulation**

Hursthouse, A. (Speaker)  
17 Dec 2019

**Water Framework Directive & River Basin Management**

Hursthouse, A. (Speaker)  
16 Dec 2019

**Welcome & introduction, Overview**

Hursthouse, A. (Speaker)  
16 Dec 2019

**Planet thinking .....the right chemistry to fix the future?**

Hursthouse, A. (Speaker)  
23 Nov 2019 → 29 Nov 2019

**review and hot topics**

Hursthouse, A. (Speaker)  
25 Oct 2019

**Regulatory regime – river basin management**

Hursthouse, A. (Speaker)  
21 Oct 2019

**Welcome & introduction to the Scottish Environment**

Hursthouse, A. (Speaker)  
21 Oct 2019

**Peer Review Grant application BRAIN 2.0 BE**

Hursthouse, A. (Examiner)  
4 Oct 2019

**River Basin Management Case Study: EU/Scotland**

Hursthouse, A. (Speaker)  
12 Sept 2019

**The Clyde's Industrial History and its Impact on Antimicrobial Resistance**

Rodgers, K. (Speaker), McLellan, I. (Speaker), Peshkur, T. (Speaker), Williams, R. (Speaker), Tonner, R. (Speaker), Knapp, C. (Speaker), Hursthouse, A. (Speaker) & Henriquez, F. (Speaker)  
4 Sept 2019

**Heliyon (Journal)**

Hursthouse, A. (Editor)  
29 Aug 2019 → ...

**Environmental Monitoring and Assessment (Journal)**

Hursthouse, A. (Editor)  
19 Aug 2019 → ...

**Peer Review - VEGA commission for Earth and Space sciences, environmental sciences (including earth resources)**

Hursthouse, A. (Reviewer)  
31 Jul 2019

**Resource Exploitation And Environmental Impact: Addressing Rebound Effects From China's Rapid Industrial Expansion**  
Hursthouse, A. (Speaker), Wang, Z. (Speaker), Ren, B. (Speaker), McLellan, I. (Speaker), Cuthbert, S. (Speaker) & Song, N. (Speaker)  
3 Jul 2019

**Ecotoxicology and Environmental Safety (Journal)**

Hursthouse, A. (Editorial board member)  
19 Jun 2019 → ...

**Theme Advisory Panel: Scottish Universities Environmental Research DTP (External organisation)**

Hursthouse, A. (Member)  
7 Jun 2019 → 7 Jun 2021

**T4.S1 Geochemical mapping for environmental and resource management**

Hursthouse, A. (Keynote speaker)  
22 May 2019 → 24 May 2019

**Master in Biotechnology for Sustainability: module - Chemical & Biological Remediation**

Hursthouse, A. (Invited speaker)  
1 Apr 2019 → 4 Apr 2019

**Soil Contaminant Baselines in the management of urban ecosystems**

Hursthouse, A. (Invited speaker)  
15 Mar 2019

**A Second Life for Critical Raw Materials**

Hursthouse, A. (Invited speaker)  
20 Feb 2019

**COST Action ES1407 ReCrew Final Conference**

Hursthouse, A. (Chair)  
4 Feb 2019 → 5 Feb 2019

**COST OC-2018-2**

Hursthouse, A. (Reviewer)  
17 Jan 2019 → 4 Feb 2019

**Public Health England - Structured Operational research and Training Initiative**

Hursthouse, A. (Participant)  
29 Nov 2018

**Coastal ecological protection and the construction of ecological cities**

Hursthouse, A. (Invited speaker)  
16 Nov 2018

**COST ReCREEW ES1407 MC meeting**

Hursthouse, A. (Participant)  
15 Nov 2018

**Coastal ecological protection and the construction of ecological cities**

Hursthouse, A. (Invited speaker)  
14 Nov 2018



**Coastal ecological protection and the construction of ecological cities**

Hursthouse, A. (Invited speaker)  
12 Nov 2018

**PhD Viva**

Hursthouse, A. (Examiner)  
9 Nov 2018

**Coastal ecological protection and the construction of ecological cities**

Hursthouse, A. (Invited speaker)  
6 Nov 2018

**Coastal ecological protection and the construction of ecological cities**

Hursthouse, A. (Invited speaker)  
5 Nov 2018

**Coastal ecological protection and the construction of ecological cities**

Hursthouse, A. (Organiser) & McLellan, I. (Organiser)  
5 Nov 2018 → 16 Nov 2018

**PhD viva**

Hursthouse, A. (Examiner)  
25 Oct 2018

**NERC Highlight Topic 2018 Panel B**

Hursthouse, A. (Member)  
17 Oct 2018 → 18 Oct 2018

**How to use environmental data responsibly**

McLellan, I. (Chair) & Hursthouse, A. (Chair)  
8 Oct 2018

**COST ES1407 ReCrew Meeting**

Hursthouse, A. (Participant)  
5 Sept 2018 → 6 Sept 2018

**Sci (Journal)**

Hursthouse, A. (Editor)  
Aug 2018 → ...

**Exploring research and teaching synergies between UWS and China: the Hunan Provincial Key Laboratory of Shale Gas Resource Exploitation & Centre for Environmental Research, UWS**

Hursthouse, A. (Speaker), Wang, Z. (Speaker), Ren, B. (Speaker), Cuthbert, S. (Speaker), McLellan, I. (Speaker) & Song, N. (Speaker)  
27 Jun 2018

**NERC Highlight Topic Grant Review**

Hursthouse, A. (Examiner)  
26 Jun 2018

**Chemistry & Space for the Environment**

Hursthouse, A. (Speaker)  
4 Jun 2018

**SETAC Europe 28th Annual Meeting**

Kleene, L. (Participant), Hursthouse, A. (Participant) & Heise, S. (Participant)  
16 May 2018

**SETAC Europe 28th Annual Meeting**

Tien, H. (Participant), Hursthouse, A. (Participant) & Heise, S. (Participant)  
15 May 2018

**Master in Biotechnology for Sustainability**

Hursthouse, A. (Invited speaker)  
9 Apr 2018 → 12 Apr 2018

**Polish National Science Centre Grant Peer Review**

Hursthouse, A. (Examiner)  
26 Mar 2018

**COST ReCreew Workshop**

Hursthouse, A. (Chair), McLellan, I. (Organiser) & Miller, J. (Organiser)  
22 Feb 2018

**Dreaming of Sustainable Urban Ecosystems: resilience of garden, park and forests soils in contaminated landscapes**

Hursthouse, A. (Speaker)  
23 Jan 2018

**COST ACTION ES1407 RecReew and TU1407 NOTICE Core group**

Hursthouse, A. (Participant)  
19 Jan 2018

**PhD Viva**

Hursthouse, A. (Examiner)  
18 Jan 2018

**International Journal of Environmental Research and Public Health (Journal)**

Hursthouse, A. (Editorial board member)  
2018 → ...

**PhD Viva**

Hursthouse, A. (Examiner)  
14 Dec 2017

**COST OC-2017-1 open call proposal evaluation**

Hursthouse, A. (Examiner)  
31 Oct 2017 → 11 Dec 2017

**Cyprus Research Promotion Foundation (RPF) Evaluation panel**

Hursthouse, A. (Examiner)  
1 Oct 2017 → 31 Oct 2017

**External Examiner - MSc Pollution & Environmental Control**

Hursthouse, A. (Examiner)  
1 Oct 2017 → 30 Dec 2021

**Bozhi Ren**

Hursthouse, A. (Host), McLellan, I. (Host) & Rodgers, K. (Host)  
25 Sept 2017 → 27 Sept 2017

**Scottish Contaminated Land Forum 8th Annual Conference**

Hursthouse, A. (Chair)  
6 Sept 2017

**WEEE collection and CRM recovery trials: piloting a holistic approach for Scotland**

Hursthouse, A. (Invited speaker), Kelly, S. (Speaker), McPherson, W. (Speaker), Menzies, B. (Speaker), Mirzaeian, M. (Speaker), Wood, D. (Speaker), Hendry, S. (Speaker) & Abbas, Q. (Speaker)  
2 Sept 2017

**ReCreew 4th Meeting Workshop**

Hursthouse, A. (Chair)  
30 Aug 2017

**PhD Viva**

Hursthouse, A. (Examiner)  
21 Aug 2017

**Zhenghua Wang**

Hursthouse, A. (Host)  
1 Aug 2017 → 31 Jul 2018

**ReCreew European network for innovative recovery strategies of rare earth and other Critical metals from electrical and electronic waste**

Hursthouse, A. (Speaker), Kuchta, K. (Speaker) & Hobohm, J. (Speaker)  
2 Jul 2017

**Environmental Geochemistry: principles of pollutant fate and transport, and research priorities**

Hursthouse, A. (Speaker)  
29 Jun 2017

**SCDI/UWS Innovation Series - Can we be Zero**

Hursthouse, A. (Invited speaker)  
13 Jun 2017

**looking for precious metals in electronic junk**

Kelly, S. (Contributor), Hursthouse, A. (Contributor), Wood, D. (Contributor), Mirzaeian, M. (Contributor), Hendry, S. (Contributor) & Abbas, Q. (Contributor)  
8 Jun 2017

**PhD Viva**

Hursthouse, A. (Examiner)  
6 Jun 2017

**Chemistry & Space for the Environment**

Hursthouse, A. (Speaker)  
5 Jun 2017

**Developing Research in Environmental Science through a collaborative and interdisciplinary culture: Tall tales from a "lopsided" Geochemist.**

Hursthouse, A. (Speaker)  
19 May 2017

**COST Action ES1407 ReCrew Spring Training School**

Hursthouse, A. (Invited speaker)  
5 Feb 2017 → 10 Feb 2017

**Brownfield Briefing 2017**

Hursthouse, A. (Chair)  
1 Feb 2017

**COST OC-2016-2 open call proposal evaluation**

Hursthouse, A. (Examiner)  
30 Jan 2017 → 13 Feb 2017

**Scottish Air Quality Seminar 2017**

Hursthouse, A. (Participant)  
24 Jan 2017

**PhD viva**

Hursthouse, A. (Examiner)  
16 Jan 2017

**33rd International Conference of the SEGH**

Hursthouse, A. (Member of programme committee)  
15 Nov 2016 → 4 Jul 2017

**CleanUp China**

Hursthouse, A. (Invited speaker)  
27 Oct 2016

**PhD Viva**

Hursthouse, A. (Examiner)  
30 Sept 2016

**PhD Viva,**

Hursthouse, A. (Examiner)  
29 Sept 2016

**Growing in Cities 2016**

Hursthouse, A. (Speaker)  
10 Sept 2016

**Growing in Cities 2016**

Hursthouse, A. (Speaker)  
9 Sept 2016

**Heliyon (Journal)**

Hursthouse, A. (Editorial board member)  
Sept 2016 → Aug 2019

**32nd International Conference on Environmental Geochemistry & Health**

Hursthouse, A. (Speaker)  
7 Jul 2016

**Resources from Waste - Green Technology Opportunities**

Hursthouse, A. (Speaker)  
20 Apr 2016

**public lecture**

Hursthouse, A. (Presenter)  
24 Feb 2016

**High End Expert Scholarship – Hunan Regional Government**

Hursthouse, A. (Recipient)  
2016 → 2019

**PhD viva**

Hursthouse, A. (Examiner)  
29 Oct 2015

**High End Expert Recruitment – fellowship in contaminated land**

Hursthouse, A. (Recipient)  
19 Sept 2015 → 21 Oct 2015

**Geochemistry, toxicology & health**

Hursthouse, A. (Speaker)  
7 Aug 2015

**Urban allotment gardeners: a picture of European behaviour and implications for future risk assessment of urban soils**

Hursthouse, A. (Speaker)  
23 Jun 2015

**Moderating panel: Security of Supply of Mineral Resources - London**

Hursthouse, A. (Member)  
11 Nov 2014 → 12 Nov 2014

**Anthropogenic and Natural Geochemical Factors on Urban Soil Quality**

Hursthouse, A. (Speaker)  
29 May 2014 → 30 May 2014

**PhD viva**

Hursthouse, A. (Examiner)  
16 May 2014

**PhD Viva**

Hursthouse, A. (Examiner)  
20 Apr 2014

**Overseas Chair Professor "Xiangjiang Scholars Programme"**

Hursthouse, A. (Recipient)  
1 Apr 2014 → 24 Apr 2014

**NERC RRfW Moderating panel, MRC London**

Hursthouse, A. (Member)  
19 Mar 2014

**Feeding Guerrillas in the City: safe stomping grounds or un-caging unacceptable risks?**

Hursthouse, A. (Speaker)  
11 Mar 2014

**Challenges in Environmental Geochemistry & Health: future research priorities?**

Hursthouse, A. (Speaker)

4 Mar 2014

**Critical Thinking in Waste & Resource Management**

Hursthouse, A. (Speaker)

20 Jan 2014

**PhD viva**

Hursthouse, A. (Examiner)

26 Nov 2013

**PhD viva**

Hursthouse, A. (Examiner)

15 Nov 2013

**Environmental Protection - detailed human health risk assessment**

Hursthouse, A. (Chair)

8 Nov 2013

**FPS COST Action FP1204: Green Infrastructure approach**

Hursthouse, A. (Invited speaker)

2 Oct 2013 → 3 Oct 2013

**Goldschmidt2013**

Hursthouse, A. (Invited speaker)

25 Aug 2013 → 30 Aug 2013

**29th International Conference of the Society for Environmental Geochemistry and Health**

Hursthouse, A. (Member of programme committee)

8 Jul 2013 → 12 Jul 2013

**Security of Supply of Mineral resources: Catalyst Assessment, London**

Hursthouse, A. (Member)

13 Jun 2013

**PhD viva**

Hursthouse, A. (Examiner)

6 Jun 2013

**PhD viva**

Hursthouse, A. (Examiner)

21 May 2013

**SETAC 23rd European Annual Meeting**

Hursthouse, A. (Member of programme committee)

12 May 2013 → 16 May 2013

**PhD Viva**

Hursthouse, A. (Examiner)

30 Apr 2013

**PhD viva**

Hursthouse, A. (Examiner)  
16 Apr 2013

**Invited Lecture: Environmental Geochemistry in Cork Oak Forest Ecosystems**

Hursthouse, A. (Speaker)  
15 Jan 2013

**PhD viva**

Hursthouse, A. (Examiner)  
15 Oct 2012

**Sino-European Symposium on Environment and Health**

Hursthouse, A. (Chair)  
20 Aug 2012 → 25 Aug 2012

**9th International Symposium on Environmental Geochemistry**

Hursthouse, A. (Keynote/plenary speaker)  
15 Jul 2012 → 22 Jul 2012

**Brownfield Briefing Conference: New Techniques and Practical Solutions for Investigating, Remediating and Developing Brownfield Land in Scotland**

Hursthouse, A. (Chair)  
2 Feb 2012

**Environmental Geochemistry and Health (Journal)**

Hursthouse, A. (Editorial board member)  
2012 → ...

**PhD Viva**

Hursthouse, A. (Examiner)  
14 Oct 2011

**PhD Viva**

Hursthouse, A. (Examiner)  
24 May 2011

**Society for Environmental Geochemistry & Health. International Conference on Environment and Health**

Hursthouse, A. (Chair)  
7 Apr 2011 → 11 Apr 2011

**SedNet Conference**

Hursthouse, A. (Invited speaker)  
6 Apr 2011 → 9 Apr 2011

**PhD viva**

Hursthouse, A. (Examiner)  
15 Oct 2010

**Scottish Contaminated Land forum - 1st Conference**

Hursthouse, A. (Speaker)  
14 Sept 2010

**Society for Environmental Geochemistry & Health. International Meeting**

Hursthouse, A. (Chair)

27 Jun 2010 → 2 Jul 2010

**PhD viva**

Hursthouse, A. (Examiner)  
23 Apr 2010

**The Changing Law and You: Brownfield Briefing Conference**

Hursthouse, A. (Invited speaker)  
14 Apr 2010

**Analytical Chemistry Trust Fund PhD panel**

Hursthouse, A. (Member)  
26 Jan 2010

**PhD viva**

Hursthouse, A. (Examiner)  
11 Dec 2009

**Technologies Proof of Concept moderating panel**

Hursthouse, A. (Member)  
12 Oct 2009 → 13 Oct 2009

**Royal Society of Chemistry Environmental Chemistry Group: Contaminated Land**

Hursthouse, A. (Invited speaker)  
23 Sept 2009

**21st ISEE conference Food, Environment and Global Health & 27th European Meeting of SEGH**

Hursthouse, A. (Organiser)  
27 Aug 2009 → 28 Aug 2009

**PhD Viva**

Hursthouse, A. (Examiner)  
29 Jul 2009

**Environment, Development & Health Network**

Hursthouse, A. (Participant)  
15 Jun 2009 → 17 Jun 2009

**The Future for Soil**

Hursthouse, A. (Chair)  
26 Mar 2009

**PhD Viva**

Hursthouse, A. (Examiner)  
23 Mar 2009

**Scottish Pollution Control Coordinating Committee**

Hursthouse, A. (Invited speaker)  
12 Feb 2009

**Scottish Brownfield & Contaminated Land**

Hursthouse, A. (Invited speaker)  
28 Jan 2009



**Legislative changes in the Brownfield & Contaminated Land Sector**

Hursthouse, A. (Invited speaker)  
20 Jan 2009

**PhD Viva**

Hursthouse, A. (Examiner)  
3 Nov 2008

**Scottish Brownfield & Contaminated Land**

Hursthouse, A. (Chair)  
18 Jun 2008 → 19 Jun 2008

**Society for Environmental Geochemistry & Health. 26th European Meeting**

Hursthouse, A. (Chair)  
30 Apr 2008 → 2 May 2008

**PhD viva**

Hursthouse, A. (Examiner)  
7 Mar 2008

**Ecology Hydrology Funding Initiative**

Hursthouse, A. (Chair)  
5 Mar 2008

**Legislative changes in the Brownfield & Contaminated Land Sector**

Hursthouse, A. (Invited speaker)  
23 Jan 2008

**PhD viva**

Hursthouse, A. (Examiner)  
23 Aug 2006

**PhD viva**

Hursthouse, A. (Examiner)  
10 Aug 2006

**PhD viva**

Hursthouse, A. (Examiner)  
6 Mar 2006

**PhD viva**

Hursthouse, A. (Examiner)  
24 Nov 2005

**PhD viva**

Hursthouse, A. (Examiner)  
2 Apr 2003

**Environmental Chemistry Letters (Journal)**

Hursthouse, A. (Editorial board member)  
2003 → ...