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## Employment

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## Research outputs

### Microplastics (10 µm-5 mm) in European Atlantic Coastal Waters

Buhalko, N., Kuddithamby, G., Vianello, A., Rotander, A., Vidal-Liñán, L., Beiras, R., Falcou-Préfol, M., Town, R. M., Hylland, K., Morin, B., Cachot, J., Clérandeau, C., Blust, R., Nielsen, T. G., Lips, U., Garaventa, F., Vollertsen, J., Regoli, F. & Almeda, R., Oct 2025, In: Environmental advances. 21, 14 p., 100644.

### Recycled crushed concrete as a filter medium for phosphorus and heavy metal removal from semi-synthetic stormwater

Pitropova, I. S., Andersen, T. R., Søborg, D. A., Storm, S., Aggerlund, K., Raabjerg, T. E. & Vollertsen, J., Sept 2025, In: Journal of Environmental Management. 391, 126390.

**Are we overestimate the contribution of microplastics from industrial laundry? Microplastic exploration in an industrial laundry: Quantification and elimination**

Liu, Y., Chand, R., Dencker, J., Hanning, A. C., Gunnerblad, E. & Vollertsen, J., 5 Aug 2025, In: Journal of Hazardous Materials. 493, 11 p., 138425.

**Microplastics and tyre wear particles in urban runoff from different urban surfaces**

Lindfors, S., Österlund, H., Lorenz, C., Vianello, A., Nordqvist, K., Gopinath, K., Lykkemark, J., Lundy, L., Vollertsen, J. & Viklander, M., 10 Jun 2025, In: Science of the Total Environment. 980, 10 p., 179527.

**How does alkaline-thermal pretreatment followed by anaerobic digestion affect the content of polyethylene terephthalate and polyamide 66 microplastics?**

Zoccali, A., Vianello, A., Malpei, F. & Vollertsen, J., 10 Mar 2025, In: Science of the Total Environment. 968, 178861.

**Microplastics are associated with biomarker of intestinal inflammation in a pilot analysis of the PLANET Study**

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**Fate and Evolution of Eroded Particles in The Marine Environment, Analysis of Leading Edge Protection Particles (Preliminary Results)**

Alam, F. C., Vianello, A. & Vollertsen, J., 2025, (Submitted).

**Assessing microplastic contamination in Icelandic soils: Insights from remote, agricultural, and urban environments**

Klemmensen, N. D. R., Sobrino Blanco, M. & Vollertsen, J., 10 Dec 2024, In: Science of the Total Environment. 955, 177215.

**Abundance, distribution and characteristics of microplastics in the North and South Atlantic Ocean**

Andersen, R., Harsaae, A. L., Kellner, A., Smyth, A., Westermann, T. A. R., Green, M., Vollertsen, J., Syberg, K. & Lorenz, C., Dec 2024, In: Marine Pollution Bulletin. 209, Part B, 117217.

**Microplastics in an advanced wastewater treatment plant: sustained and robust removal rates unfazed by seasonal variations**

Iordachescu, L., Papacharalampos, K., Barritaud, L., Denieul, M. P., Plessis, E., Baratto, G., Julien, V. & Vollertsen, J., Dec 2024, In: Microplastics and Nanoplastics. 4, 1, 18.

**Micro- and nano-plastics, intestinal inflammation, and inflammatory bowel disease: A review of the literature**

Agrawal, M., Vianello, A., Picker, M., Simon-Sánchez, L., Chen, R., Estevinho, M. M., Weinstein, K., Lykkemark, J., Jess, T., Peter, I., Colombel, J.-F., Allin, K. H. & Vollertsen, J., 25 Nov 2024, In: Science of the Total Environment. 953, 9 p., 176228.

**Composition and concentrations of microplastics including tyre wear particles in stormwater retention pond sediments**

Öborn, L., Österlund, H., Lorenz, C., Vianello, A., Lykkemark, J., Vollertsen, J. & Viklander, M., 15 Nov 2024, In: Water Science and Technology. 90, 10, p. 2857-2869 13 p.

**Assessment of microplastic pollution and polymer risk in the sediment compartment of the Limfjord, Denmark**

Simon-Sánchez, L., Vianello, A., Kirstein, I. V., Molazadeh, M. S., Lorenz, C. & Vollertsen, J., 10 Nov 2024, In: Science of the Total Environment. 950, 175017.

**Key results JPI Oceans microplastics projects**

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**Measuring Infiltration Rates in Permeable Asphalt Pavement in Urban Landscapes**

Muttuvelu, D. V., Wyke, S. & Vollertsen, J., Nov 2024, In: KSCE Journal of Civil Engineering. 28, 11, p. 5255-5265 11 p.

**Bark and biochar in horizontal flow filters effectively remove microplastics from stormwater**

Rullander, G., Lorenz, C., Strömvall, A. M., Vollertsen, J. & Dalahmeh, S. S., 1 Sept 2024, In: Environmental Pollution. 356, 124335.

**Py-GC-MS analysis for microplastics: Unlocking matrix challenges and sample recovery when analyzing wastewater for polypropylene and polystyrene**

Lykkemark, J., Mattonai, M., Vianello, A., Gomiero, A., Modugno, F. & Vollertsen, J., 1 Sept 2024, In: Water Research. 261, 122055.

**Vertical distribution of microplastics in an agricultural soil after long-term treatment with sewage sludge and mineral fertiliser**

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**Every breath you take: High concentration of breathable microplastics in indoor environments**

Maurizi, L., Sanchez, L. S., Vianello, A., Nielsen, A. H. & Vollertsen, J., Aug 2024, In: Chemosphere. 361, 8 p., 142553.

**Point-source tracking of microplastics in sewerage systems. Finding the culprit**

Iordachescu, L., Nielsen, R. V., Papacharalampos, K., Barritaud, L., Denieul, M. P., Plessis, E., Baratto, G., Julien, V. & Vollertsen, J., 15 Jun 2024, In: Water Research. 257, 121696.

**Treating wastewater for microplastics to a level on par with nearby marine waters**

Chand, R., Iordachescu, L., Bäckbom, F., Andreasson, A., Bertholds, C., Pollack, E., Molazadeh, M., Lorenz, C., Nielsen, A. H. & Vollertsen, J., 1 Jun 2024, In: Water Research. 256, 121647.

**Snow dumping station – A considerable source of tyre wear, microplastics, and heavy metal pollution**

Chand, R., Ieva Putna-Nimane, I., Vecmane, E., Lykkemark, J., Dencker, J., Nielsen, A. H., Vollertsen, J. & Liu, F., Jun 2024, In: Environment International. 188, 108782.

**An integrative analysis of microplastics in spider webs and road dust in an urban environment – webbed routes and asphalt Trails**

Iordachescu, L., Rullander, G., Lykkemark, J., Dalahmeh, S. & Vollertsen, J., May 2024, In: Journal of Environmental Management. 359, 10 p., 121064.

**Microplastic abundance in sludge-treated fields: Variance and estimated half-life**

Klemmensen, N. D. R., Chand, R., Blanco, M. S. & Vollertsen, J., 20 Apr 2024, In: Science of the Total Environment. 922, 8 p., 171394.

**Downward migrating microplastics in lake sediments are a tricky indicator for the onset of the Anthropocene**

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**The role of turbulence in the deposition of intrinsically buoyant MPs**

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Chen, Y., Qian, Y., An, D., Liu, F., Vollertsen, J. & Gan, J., 12 Jan 2024, In: ACS ES and T Water. 4, 1, p. 217-226 10 p.

**Retention of microplastics and tyre wear particles in stormwater ponds**

Rasmussen, L. A., Liu, F., Klemmensen, N. D. R., Lykkemark, J. & Vollertsen, J., 1 Jan 2024, In: Water Research. 248, 9 p., 120835.

### **Detecting small microplastics down to 1.3 µm using large area ATR-FTIR**

Liu, Y., Lüttjohann, S., Vianello, A., Lorenz, C., Liu, F. & Vollertsen, J., Jan 2024, In: Marine Pollution Bulletin. 198, 9 p., 115795.

### **Does water column stratification influence the vertical distribution of microplastics?**

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### **Effects of polyethylene terephthalate microplastics on cell growth, intracellular products and oxidative stress of *Scenedesmus* sp.**

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### **Does microplastic analysis method affect our understanding of microplastics in the environment?**

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### **What is hiding below the surface – MPs including TWP in an urban lake**

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### **How effective is the retention of microplastics in horizontal flow sand filters treating stormwater?**

Rullander, G., Lorenz, C., Herbert, R. B., Strömvall, A. M., Vollertsen, J. & Dalahmeh, S. S., 15 Oct 2023, In: Journal of Environmental Management. 344, 118690.

### **It matters how we measure - Quantification of microplastics in drinking water by µFTIR and µRaman**

Maurizi, L., Iordachescu, L., Kirstein, I. V., Nielsen, A. H. & Vollertsen, J., 12 Sept 2023, In: Heliyon. 9, 9, e20119.

### **Fate of microplastics in sewage sludge and in agricultural soils**

Hooge, A., Hauggaard-Nielsen, H., Heinze, W. M., Lyngsø, G., Ramos, T. M., Sandgaard, M. H., Vollertsen, J. & Syberg, K., Sept 2023, In: TRAC - Trends in Analytical Chemistry. 166, 117184.

### **Shapes of Hyperspectral Imaged Microplastics**

Liu, F., Rasmussen, L. A., Klemmensen, N. D. R., Zhao, G., Vianello, A., Rist, S. & Vollertsen, J., 22 Aug 2023, In: Environmental Science & Technology. 57, 33, p. 12431-12441 11 p.

### **Study of traffic-related pollution and its treatment with a particular focus on microplastics in tunnel wash and road runoff water**

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### **Is Zooplankton an Entry Point of Microplastics into the Marine Food Web?**

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### **Nanoplastic production procedure for scientific purposes: PP, PVC, PE-LD, PE-HD, and PS**

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### **Do drinking water plants retain microplastics? An exploratory study using Raman micro-spectroscopy**

Maurizi, L., Iordachescu, L., Kirstein, I. V., Nielsen, A. H. & Vollertsen, J., Jun 2023, In: Heliyon. 9, 6, e17113.

### **Permeable pavements: A possible sink for tyre wear particles and other microplastics?**

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**Abundance and distribution of microplastics in surface waters of the Kattegat/ Skagerrak (Denmark)**

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**An Experimental Comparison Between FTIR and Raman Microspectroscopy Applied to the Morphological Analysis of Microplastics in Drinking Water**

Maurizi, L., Iordachescu, L., Kirstein, I. V., Nielsen, A. H. & Vollertsen, J., 2023, *Proceedings of the 3rd International Conference on Microplastic Pollution in the Mediterranean Sea*. Springer, p. 1-7 7 p. (Springer Water, Vol. Part F1637).

**Capturing Microplastics from Aquatic Systems Using Vortex based Cyclone Technique**

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**Step-By-Step Evaluation of Matrix Effect and Sample Recovery During Pretreatment of Wastewater Samples for the Quantitation of Microplastics by Py-GC-MS**

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**Can a Sediment Core Reveal the Plastic Age? Microplastic Preservation in a Coastal Sedimentary Record**

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**Are permeable pavements a sustainable solution? A qualitative study of the usage of permeable pavement**

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**Management of microplastics in urban aquatic systems using vortex-based cyclone separation: what we learn from de-oiling hydrocyclone technology used in offshore oil & gas produced water treatment**

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**Microplastics degradation through hydrothermal liquefaction of wastewater treatment sludge**

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### **A Complete Mass Balance for Plastics in a Wastewater Treatment Plant Macroplastics Contributes more than Microplastics**

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### **Accelerated weathering increases the release of toxic leachates from microplastic particles as demonstrated through altered toxicity to the green algae raphidocelis subcapitata**

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### **Model parameters for aerobic biological sulfide oxidation in sewer wastewater**

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### **Drinking plastics? – Quantification and qualification of microplastics in drinking water distribution systems by $\mu$ FTIR and Py-GCMS**

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### **Accelerated weathering affects the chemical and physical properties of marine antifouling paint microplastics and their identification by ATR-FTIR spectroscopy**

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### **Evaluating the effectiveness of lime-based filter-media on sewer air hydrogen sulphide**

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### **A nationwide assessment of plastic pollution in the Danish realm using citizen science**

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### **No clear response in the stormwater phytoplankton community to biocide contamination**

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### **Quantification of plankton-sized microplastics in a productive coastal Arctic marine ecosystem**

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### **Identification and Quantification of Microplastics in Potable Water and Their Sources within Water Treatment Works in England and Wales**

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**An exploratory study of benthic diatom communities in stormwater ponds of different land uses and varying biocide contamination**

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**Microplastics Removal from Treated Wastewater by a Biofilter**

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**Planktonic algae abundance and diversity are similar in urban stormwater ponds of different geographic locations and natural shallow lakes**

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**Sacrificial concrete sewers as an odor control strategy**

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**In situ measurements of diffusion in sewer force main biofilms - The influence of sulfide abatement**

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**Sorption and degradation potential of pharmaceuticals in sediments from a stormwater retention pond**

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### **Introducing the emission process of hydrogen sulfide to a sewer process model (WATS)**

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## **A Process and Model Concept for Microbial Wastewater Transformations in Gravity Sewers**

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## **Sewer Solids Management using Invert Traps**

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## **Wastewater Transformations in Sewer Systems: Traditional and Recent Understanding of Problems**

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## **Koncepcja Procesu i Modelu dla Przemian Mikrobiologicznych Zachodzacych w Sciekach w Kanalizacjach Grawitacyjnych**

Hvitved-Jacobsen, T., Vollertsen, J. & Nielsen, P. H., 1997

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## **Activities**

### **Microplastic pollution in three rivers with varying anthropogenic impact in South Eastern Norway**

Lorenz, C. (Lecturer), Vollertsen, J. (Lecturer), Vianello, A. (Lecturer), Stephansen, D. (Lecturer), Dolven, J. K. (Lecturer), Værøy, N. (Lecturer), Olsen, S. B. (Lecturer) & Gomiero, A. (Lecturer)

23 Nov 2020 → 27 Nov 2020

**Member of the Scientific Programme Committee responsible for the IWA Specialty Conference "Odours and Volatile Emissions" to be held in Barcelona 18-20 September 2006**

Vollertsen, J. (Organizer)

1 Oct 2005 → 1 Jan 2007

**IWA International Conference on Sewer Processes and Networks**

Vollertsen, J. (Speaker)

15 Apr 2002 → 17 Apr 2002

**10th International Conference on Urban Drainage**

Vollertsen, J. (Organizer)

1 Jan 2002 → 1 Jan 2006

## **Press/Media**

**10 milliarder til renseanlæg**

Vollertsen, J.

08/12/2006

1 item of Media coverage

**187 kilo plastik satte fokus på stigende problem**

Vollertsen, J.

15/02/2020

2 items of Media coverage

**Affald kan være det rene guld**

Vollertsen, J.

14/01/2011

1 item of Media coverage

**Alive Festival med minister-besøg**

Vollertsen, J.

09/08/2019

3 items of Media coverage

**Anlæg skal standse skidt fra vejene: Regnvand fra vejene er forurenset med mikroplast og farlige stoffer**

Vollertsen, J.

17/12/2018

1 item of Media coverage

**Bildæk udleder 600 gange så meget mikroplast som al kosmetik tilsammen**

Vollertsen, J.

13/03/2021

4 items of Media coverage

**Biocider kan spredes fra puds, facade- og bundmaling**

Vollertsen, J. & Vianello, A.

09/04/2021

1 item of Media coverage

**Biolog: Jeg kan bringe livet tilbage til Flensborg Fjord**

Vollertsen, J.

21/08/2024 → 27/08/2024

3 items of Media coverage

**Blæst og fedtklumper øger risikoen for oversvømmelser**

Vollertsen, J.  
11/01/2019  
1 item of Media coverage

**Danmark sender millioner af kubikmeter spildevand ud i naturen**

Vollertsen, J.  
28/05/2020  
2 items of Media coverage

**Dansk ekspedition mod dybet efter plast-svar: Med sig har de en trailer fuld af gear**

Vollertsen, J.  
13/06/2022  
1 item of Media coverage

**Dansk familie skræmt over måling i deres lejlighed**

Vollertsen, J.  
18/09/2019  
1 Media contribution

**Debat: Mikroplastik er overalt og udfordrer vores sundhed**

Vollertsen, J. & Allin, K.  
09/05/2023 → 10/05/2023  
2 Media contributions

**Den skinbarlige sandhed eller løgn på løgn? Vi har tjekket, om Netflix-dokumentaren Seaspiracy holder vand**

Vollertsen, J.  
10/04/2021 → 16/04/2021  
3 items of Media coverage

**Dit affald kan havne på bunden af havet: Forsker slår alarm over mikroplast**

Vollertsen, J.  
03/10/2024 → 08/10/2024  
22 items of Media coverage

**Donation**

Vollertsen, J.  
20/12/2018 → 20/12/2018  
7 items of Media coverage

**Dårlige septiktankanlæg årsag til stor forurening**

Vollertsen, J.  
26/03/2010  
1 item of Media coverage

**Ekspert: Supersygehus i Aalborg er ved at begå kæmpefejl**

Vollertsen, J.  
15/05/2018  
12 items of Media coverage

**Ekspert: Flydespærringer gør næsten ingen gavn**

Vollertsen, J.  
08/12/2013  
1 item of Media coverage

**Elbilerne forurener også - bare med gummi og støv**

Vollertsen, J.  
18/06/2025  
1 item of Media coverage

**Elbiler sprøjter farlige partikler ud i naturen: »Kør ordentligt,« lyder det**

Vollertsen, J.  
16/12/2024 → 17/12/2024  
2 items of Media coverage

**Er plast i havet en storm i et glas vand eller en overset miljøkatastrofe?**

Vollertsen, J.  
12/12/2018  
1 item of Media coverage

**Et hav af plast: Hvad fire års forskning i plast og mikroplast har lært os**

Vollertsen, J.  
25/12/2022  
1 Media contribution

**Floderne fylder havene med plastikaffald - ti store floder er de værste syndere**

Vollertsen, J.  
14/04/2019  
1 item of Media coverage

**Fluorstoffer gør slam fra spildevand for giftigt til at sprede på markerne**

Vollertsen, J.  
27/08/2022  
2 items of Media coverage

**Flydespærringer betyder intet**

Vollertsen, J.  
08/12/2013  
1 item of Media coverage

**Forbrug sætter spor på havbunden: Afsætning af mikroplast tredoblet i dette århundrede**

Vollertsen, J., Vianello, A. & Sanchez, L. S.  
28/12/2022  
1 item of Media coverage

**Forskere på togt for at kortlægge mikroplastik**

Vollertsen, J.  
14/11/2020  
1 item of Media coverage

**Forskning i lokal rensning: Kan klimavej fange mikroplast og rense regnvand?**

Rasmussen, L. A. & Vollertsen, J.  
04/02/2021  
1 item of Media coverage

**Forskningscenter åbner: Vil plastik i verdenshave til livs**

Vollertsen, J.  
01/02/2019  
2 items of Media coverage

**Fra fond til forsker: En uge i klimaets tegn**

Vollertsen, J.

10/12/2018

37 items of Media coverage

**Frederikshavn mener at kunne håndtere prøveboring**

Vollertsen, J.

16/06/2015

1 item of Media coverage

**Fup og fidus om fiskeriet**

Vollertsen, J.

14/04/2021

1 item of Media coverage

**Gode intentioner og globale udfordringer**

Storm, B. K. & Vollertsen, J.

24/03/2019

2 items of Media coverage

**Her kommer mutter med kost og spand**

Vollertsen, J.

06/04/2020

1 item of Media coverage

**Hjælp til de gode bakterier giver bedre vandrensning i troperne**

Stokholm-Bjerregaard, M., Vollertsen, J. & Nielsen, P. H.

28/06/2016

1 item of Media coverage

**Hvad stiller vi op med regnvandet?**

Vollertsen, J.

20/12/2023

1 item of Media coverage

**Hvordan opnås accept for BAT med alternative renseløsninger til regnvand?**

Vollertsen, J.

08/11/2022

1 item of Media coverage

**Hård kritik fra fiskere**

Vollertsen, J.

24/08/2010

1 item of Media coverage

**Ikke kun i Stillehavet: Masser af plastik i dansk jord**

Vollertsen, J.

06/06/2017

1 item of Media coverage

**I Vejle siver vejvand ned i kantstensbedet**

Vollertsen, J.

26/09/2012

2 items of Media coverage

**Jagten på det forsvundne plastik**

Vollertsen, J.  
08/11/2020 → 10/11/2020  
3 items of Media coverage

**Klimaet truer miljøgevinst**

Vollertsen, J.  
24/08/2010  
1 item of Media coverage

**Limfjorden er forurennet af mikroplast**

Vollertsen, J.  
19/10/2024  
1 item of Media coverage

**Lovende projekt opfanger mikroplast**

Vollertsen, J.  
07/04/2021 → 13/04/2021  
2 items of Media coverage

**Microplastics deposited on the seafloor triple in 20 years**

Lorenz, C., Vianello, A., Liu, F., Vollertsen, J. & Sanchez, L. S.  
22/12/2022 → 06/01/2023  
25 items of Media coverage

**Mikroplast fra kosmetik - en dråbe i havet**

Vollertsen, J.  
01/09/2017  
1 item of Media coverage

**Mikroplast fra motorveje skal opfanges**

Vollertsen, J.  
07/05/2021  
1 item of Media coverage

**Mikroplast fundet i luften over London**

Vollertsen, J.  
02/01/2020  
1 item of Media coverage

**MIKROPLAST I BYENS VAND**

Vollertsen, J., Olesen, K. B., Simon, M. & Hansen, A. A.  
02/07/2019  
1 Media contribution

**Mikroplast i hovedstadens drikkevand**

Vollertsen, J.  
19/09/2017  
8 items of Media coverage

**Mikroplast måles langt mere præcist**

Vollertsen, J. & Olesen, K. B.  
19/09/2019  
4 items of Media coverage



**Mikroplast: Teposer afgiver milliarder af partikler**

Vollertsen, J.  
27/09/2019  
1 Media contribution

**Mild spredning af partikelbårne biocider**

Vollertsen, J. & Vianello, A.  
10/05/2021  
1 item of Media coverage

**Muslingskaller renser vand fra motorveje**

Vollertsen, J.  
04/02/2010  
1 item of Media coverage

**Muslingskaller skal rense regnvand**

Vollertsen, J.  
03/02/2010  
1 item of Media coverage

**Mytedræber: Din karklud og din fleecetrøje frikendt for at forurene med mikroplast**

Vollertsen, J.  
15/03/2017  
6 items of Media coverage

**Mytedræber: Nej, karklude og nyvaskede fleecetrøjer er ikke store miljøsyndere**

Vollertsen, J.  
08/08/2020  
4 items of Media coverage

**Nanoplastics are entering our bodies**

Vianello, A. & Vollertsen, J.  
07/07/2023 → 29/07/2023  
17 items of Media coverage

**Nyhed: Samme forhøjede niveauer af mikroplast i kystnær havbund som 75 års slamtilførsel**

Vollertsen, J.  
27/11/2022  
1 item of Media coverage

**Ny metode skal fjerne motorvejs-mikroplast**

Vollertsen, J.  
29/03/2021 → 30/03/2021  
4 items of Media coverage

**Ny rapport om måling af mikroplast**

Vollertsen, J.  
11/01/2018  
1 item of Media coverage

**Ny teknologi til rensning af regnvand**

Vollertsen, J.  
07/12/2006  
1 item of Media coverage

**Nyt samarbejde om løsninger på plastforurening i havet**

Vollertsen, J.  
22/01/2019  
1 item of Media coverage

**Nyt studie: Flydende mikroplast fra Europa ender i Det Arktiske Ocean**

Vollertsen, J.  
18/03/2022  
1 item of Media coverage

**Ph.d.-forsvar af Gunaalan Kuddithamby: Mikroplastik og dets mulige effekt på plankton i havet**

Vollertsen, J.  
04/01/2024  
1 item of Media coverage

**Plastik er farligt men potentielt også fantastisk**

Vollertsen, J.  
19/04/2024 → 21/04/2024  
7 items of Media coverage

**Plastik er farligt, men potentielt også fantastisk**

Vollertsen, J.  
27/04/2024  
9 items of Media coverage

**Plastik kan blive verdens mest miljøvenlige materiale: Her er hvordan**

Vollertsen, J.  
14/04/2021  
1 item of Media coverage

**Professor går i rette med ny rapport om elbilers luftforurening**

Vollertsen, J.  
27/05/2025  
1 item of Media coverage

**Recipient of the 2013 WEF Eddy Wastewater Principles/Processes Medal**

Nielsen, A. H. & Vollertsen, J.  
13/07/2013  
1 item of Media coverage

**Rensning af spildevand får fiskene til at vende tilbage**

Vollertsen, J.  
14/10/2014  
6 items of Media coverage

**Ritzau Plus: Mikroplastik på strande bekymrer naturfolk**

Vollertsen, J.  
22/09/2019  
45 items of Media coverage

**Silkeborg Forsyning: Utilfredsstillende tømning i 2019**

Vollertsen, J.  
11/06/2020  
2 items of Media coverage

**Slam blev pløjet ned efter politianmeldelse**

Vollertsen, J.

20/10/2017

3 items of Media coverage

**Solenergi suger vand ud af ørkenluft**

Vollertsen, J.

11/06/2018

1 item of Media coverage

**Spildevandstræf i Malmø**

Vollertsen, J.

06/12/2013

1 item of Media coverage

**Støtte til AAU-forskere**

Lange, L., Gurevich, L., Fojan, P., Vollertsen, J., Nielsen, T. T., Graven-Nielsen, T., Jensen, K., Nielsen, E. H., Christiansen, E. T., Nielsen, B. N. & Roslev, P.

20/09/2011

4 items of Media coverage

**Svensk projekt vil fjerne problem med mikroplast fra tekstiler**

Vollertsen, J.

29/11/2017

1 item of Media coverage

**Thy øl i ét krus!**

Vollertsen, J.

17/08/2019

2 items of Media coverage

**Udfordringer med analyser for mikroplast**

Vollertsen, J.

08/12/2017

1 item of Media coverage

**Urenset spildevand fra renseanlæg løber ofte ud i å, når det regner: - Myndighederne pisser på os**

Vollertsen, J.

28/11/2024 → 29/11/2024

3 items of Media coverage

**Utilstrækkelig kontrol for biocider**

Vollertsen, J.

06/10/2015

2 items of Media coverage

**Vanddetektiver jager forurening**

Vollertsen, J.

17/12/2011

3 items of Media coverage

**Vandhåndtering: Nicolinelund gør det rigtige**

Vollertsen, J.

10/11/2023

1 item of Media coverage

### **Verdens første filter til vand fra motorveje**

Vollertsen, J.

10/09/2018

4 items of Media coverage

### **Aalborg Universitet afprøver helt ny metode til at fjerne mikroplast fra vand**

Vollertsen, J.

22/03/2021 → 24/03/2021

28 items of Media coverage

### **AAU-projekt om mikroplast i havmiljø**

Vollertsen, J.

11/12/2020

1 item of Media coverage

## **Projects**

### **Biotic and abiotic corrosion of concrete sewers**

Nielsen, P. H. (Project Participant), Nielsen, A. H. (Project Participant), Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)

01/01/2005 → 30/06/2008

### **Effekten af tilbageholdt spildevand under regn på den efterfølgende rensning / The effect of extended storage on wastewater treatment**

Hvitved-Jacobsen, T. (Project Participant) & Vollertsen, J. (Project Participant)

01/02/2005 → 01/02/2005

### **Emission af svovlbrente med relationer til svovlkredsløbet i afløbssystemer / Emission and fate of hydrogen sulfide in sewer networks**

Hvitved-Jacobsen, T. (Project Participant) & Vollertsen, J. (Project Participant)

01/02/2005 → 01/02/2005

### **Energioptimering og affaldshåndtering- Kildesorteret organisk affald og have-og park affald til biogas**

Borregaard, A. R. (PI) & Vollertsen, J. (CoI)

01/08/2016 → 31/07/2021

### **Forudsigelse af levetid for afløbsnet / Computer aided rehabilitation of sewer networks**

Hvitved-Jacobsen, T. (Project Participant), Vollertsen, J. (Project Participant) & Madsen, H. I. (Project Participant)

31/12/2005 → 31/12/2005

### **Kemisk og biologisk oxidation af sulfid i afløbssystemer / Chemical and biological oxidation of sulfide in sewer networks**

Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)

01/02/2005 → 01/02/2005

### **Kvælstoffjernelse i spildevand med høje ammoniumkoncentrationer / Nitrogen removal for wastewater with high ammonia concentrations**

Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)

01/02/2005 → 01/02/2005

### **Nedbrydning af organisk stof i den mekaniske del af Aalborg Renseanlæg Vest / Degradation of organic matter in the mechanical part of Aalborg Treatment Plant West**

Hvitved-Jacobsen, T. (Project Participant) & Vollertsen, J. (Project Participant)

01/02/2005 → 01/02/2005

### **Nitrogen transformations in sewer networks**

Nielsen, A. H. (Project Participant), Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)  
01/02/2005 → 31/12/2008

### **Omsætning af kvælstof og kulstof under anoxiske forhold i afløbssystemer / Nitrogen and carbon transformations under anoxic conditions in sewers**

Hvitved-Jacobsen, T. (Project Participant), Vollertsen, J. (Project Participant) & Yang, W. (Project Participant)  
01/02/2005 → 01/02/2005

### **Process engineering of wet detention ponds**

Hvitved-Jacobsen, T. (Project Participant), Madsen, H. I. (Project Participant) & Vollertsen, J. (Project Participant)  
01/02/2005 → 30/10/2006

### **Renovering af afløbsnet under hensyntagen til funktion, miljøpåvirkning og økonomi / Rehabilitation of sewer networks based on operational, environmental and economic criteria**

Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)  
01/02/2005 → 01/02/2005

### **Sinking at sea- Identifying the processes driving the export of microplastics to the seafloor**

Sanchez, L. S. (PI), Vianello, A. (Project Participant), Nielsen, A. H. (Project Participant), Lykkemark, J. (Project Participant) & Vollertsen, J. (Supervisor)  
01/05/2023 → 31/10/2024

### **Stofomsætning i afløbssystemer / In-sewer Processes**

Hvitved-Jacobsen, T. (Project Participant), Vollertsen, J. (Project Participant) & Nielsen, A. H. (Project Participant)  
19/05/2010 → 19/05/2013

### **Stofomsætning i afløbssystemer under anoxiske forhold / In-sewer anoxic transformations of waste-water**

Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)  
01/02/2005 → 01/02/2005

### **Udsivning af spildevand fra afløbssystemer / Exfiltration of wastewater from sewer networks**

Vorkamp, K. (Project Participant), Vollertsen, J. (Project Participant) & Hvitved-Jacobsen, T. (Project Participant)  
31/12/2003 → 31/12/2003

### **AAU Circular Plastics**

Lykke, A. (Project Coordinator), Wæhrens, B. V. (PI), Varrone, C. (PI), Vollertsen, J. (PI), Christiansen, J. D. C. (PI), Jensen, L. R. (PI), Simonsen, M. E. (PI), Pedersen, T. H. (PI) & Stingl, V. (PI)  
01/11/2023 → ...

### **AAU Water**

Lykke, A. (Project Coordinator), Quist-Jensen, C. A. (PI), Vollertsen, J. (PI), Nielsen, P. H. (PI), Larsen, K. G. (PI), Ali, A. (PI), Aschmoneit, F. J. (PI), Pomianowski, M. Z. (PI) & Wisniewski, R. (PI)  
01/05/2024 → ...

2019	Lorem ipsum dolor sit amet
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