



curriculum vitae

Personal data

Family Name	Sievert
First Name	Wolfram
Date of birth	05.03.1972
Place of birth	Detmold, Germany
Nationality	German

Education

07.1978-07.1982	primary school / Lemgo / Germany
07.1982-07.1991	grammar school / Lemgo / Germany

Military Service

10.1991-10.1992	Armoured infantry rifleman 4.PZGrenBtl 212, Augustdorf
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Degree & Qualification

10.1993-10.1999	University of applied sciences Suderburg, Germany Dipl. Ing. (FH) Environmental technology: Branches of study: 1.Waste management 2. Waste water management
05.2006	Approved engineer from Dubai Municipality

Occupation

10.1999-05.2005	Blumberg Engineers: Chief engineer, waste water consultant, Germany
06.2005-12.2007	Waagner Biro Gulf LLC: Project engineer, environmental technologies, U.A.E.
01.2008-11.2008	BAUER Emirates Environment: Projects manager natural treatment technologies, U.A.E.
12.2008- 10-2015	Mizan Consult FZE, U.A.E.: Managing director
01.2015-ongoing	Sievert Consult, Lemgo, Germany: Managing director

Key qualification

Marketing, design, planning, co-ordination, site management and operation & maintenance management of water and waste water treatment and recycling systems in Germany, Switzerland, China, Philippines, Vietnam, Chad, Bahrain, Sudan, Iran, Iraq, Jordan, Afghanistan, India, U.A.E., Oman, Qatar, K.S.A., Israel.

Further skills

Driving licence, hunting license, good knowledge in Microsoft applications and other computer programs

Hobbies

Planning and construction of natural swimming ponds, rehabilitation of fish-ponds, cyclist, (scuba-)dive, sport shooting

Memberships

Competence Pool Weiherstephan (Technical University Munich),
IOEV (Ecological Engineering Association Germany)
Wirtschaftsbund HANSE
Water Solutions International e.V.

Professional Experience

- Design, planning and construction management of sewerage systems (trickling filter, activated sludge systems, SBR, MBR, MBBR, constructed wetlands, retention soil filters, sludge dewatering reed beds, vacuum-, pressure and gravity sewer systems) in Europe, Iran, Iraq, India, U.A.E., Qatar, Oman, Bahrain, Jordan, Korea and China.
 - Feasibility studies, design for approval and offers for the above-mentioned systems.
 - Construction supervision for the above-mentioned systems.
 - Operation and management for a municipality wastewater management company.
 - Operation and maintenance management of sewage sludge dewatering systems.
 - Coordination (project management) with consulting offices, freelancers, and subcontractors.
 - Looking after trainees and new employees.
 - Design of promotional material and publications (flyer, presentation, articles, homepages, advertising boards).
 - Development of components to optimize the treatment process of sewage treatment plants in cooperation with universities (siphon, nozzle, sprayer).
 - Planning and management of a research project for the ministry of environment Rhineland-Palatinate.
 - Various lectures and workshops for clients and authorities.
 - Organization of site visits for delegations
 - Planning, design and rehabilitation of swimming and fish ponds.
 - Implementing new technologies (subsurface waste water irrigation, Terra Preta soil, EM) in design, offers and realized projects in the GCC and presentation of these products at consultants and authorities.
 - Project management for installation of waste treatment equipment
 - Turn key projects (waste water treatment systems)
 - Baseline studies
 - Ecological surveys
 - Design, construction supervision and operation supervision and training for pilot reed bed systems
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Seminars, lecture, workshops, conferences, exhibitions

- Organization, realization and looking after a booth at the Water-Middle-East exhibition in Bahrain, 2004.
- Second examiner of a diploma, university of applied Science Nürtingen.
- Part time lectureship summer semester 2003, university of applied science Nürtingen.
- Lecturer at the GNE (society for lasting development), Witzenhausen (class for international project management, lecture about sewerage in developing countries).
- Organization, realization and looking after a booth at the IFAT in Munich.
- Lecture at a Unesco Conference about desertification, Yarmouk university Amman (06-2005).
- Lecture at a DAAD conference at the university of Assiut, Egypt (06-2007)
- Organization, realization and looking after a booth at the UN environment conference in Dubai (08/2005)
- Organization, realization and looking after a booth at the Big 5 in Dubai (10/2005)
- Presentation about natural sewerage systems at the Dubai Municipality (11/2005).
- Presentation about natural sewerage systems at the Middle East water and wastewater management conference Dubai (02/2006)
- Organization, realization and looking after a booth at the water conference in Dubai (06/2008)
- Presentation about natural sewerage systems at the following Consulting Companies: Hill, Halcrow, Cansult, Parsons, Atkins, EC Harris, Khatib and Alami.
- Speaker at Symposium “Sustainability Why? And How?”, Sharjah Chamber of Commerce, 13th May 2009
- Lecture about reed bed technology at a DAAD conference (drinking water and waste water) at Al-Balqa Applied University, Jordan (10-2009)
- Lecture about reed bed technology at KAUST (Century Desert Agriculture workshop) and seminar for water desalination and reuse center faculty, Jeddah (01-2011)
- Lecture about alternative and natural waste water treatment at Masdar Institute, Water & Environmental Engineering Program, Abu Dhabi (12-2011)
- Workshop about sludge mineralization reed bed test results for Ministry of Water and Irrigation, Amman (Jordan) (12-2013)
- Speaker at ADSSC Workshop on the approach of Best Practices in Project Delivery, Abu Dhabi 9th September 2015
- Speaker at giz Training: Improving Sludge Management at Wastewater Treatment Plants for ACC-Project (Decentralized

- Speaker at SDG's Partnership Conference in Pfungstadt for a Delegation from Namibia and Tansania, Pfungstadt, Germany (14.10.2024)
- Lecture about reed bed technology at AURAK (American University of Ras Al Khaimah) incl. the design and installation of a reed bed system for a pilot sustainable house as training program for the students (11-2025)
- Presentation of "Reed Bed Filter for ponds in the ME" at the 19th IWA Conference on Wetland Systems for Water Pollution Control, 13 - 17 September, 2026, Chania

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Projects

- Operation management of 4 municipality sewage treatment plants (3x trickling filter, 1 x extended aeration), Lahstedt Gadenstedt (1999-2005)
 - Operation management and monitoring of the largest reed bed treatment system in Germany, Lahstedt Gadenstedt (1999-2005)
 - Planning, design and construction supervision of a reed bed treatment system in Iran, 4000 PE, Petrochemical Special Economic Zone Mahshahr (2001-2003).
 - Planning, design and construction supervision of a reed bed treatment system, 6000 PE, and a sludge dewatering system in China, Shenyang, Hunnan New District (2003-2004).
 - Planning, approval and construction supervision, operation and maintenance management and research of two storm water treatment retention filters, Muenstedt and Adenstedt, Lower Sachsonia (1999-2001).
 - Planning, design, approval and construction supervision of an activated sludge sewage treatment plant, Haynrode (2003-2005)
 - Planning, design, construction supervision and operation management of a sludge dewatering system, Bad Emstal, Hessen (2002-2005).
 - Craniate survey lagoons Gadenstedt
 - Insecta and bird survey wetlands Lahstedt
 - Planning, design, approval and construction supervision of a rehabilitation of **a rotating biological contactor** treatment plant and optimizing by extension with a reed bed treatment system, a sludge pumping boat and a sludge dewatering system, Fronhausen, Hessen (2001-2005).
 - Planning, design, approval, site management and research of a reed bed treatment system for a labor camp, Dubai Municipality Environment Department, Jadaf, Dubai (2005)
 - Planning, design, approval and site management for a grey water recycling reed bed for a labor camp in Dubai (2005)
 - Planning, design, approval and site management for a grey water recycling reed bed in Dubai, 200 EW
 - Planning, design, approval and site management for a reed bed of a site labor camp, The Lagoons, Dubai
 - Planning, design, approval, site management and research of a subsurface drip irrigation system for black water of a labor camp, Dubai (2006)
 - Planning, design, approval and site management for a subsurface drip irrigation system for black water, Dubai (2006)
 - Planning, design, approval, site management for a reed bed for car wash water recycling, Dubai (2006)
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- Planning, design and site management of a grey water recycling reed bed for a private villa, Ajman (2006).
 - Planning, design, site management for a treated grey water storage pond with natural filtration system (2006).
 - Planning, design, site management for reed bed treatment system for recycling of sewage for irrigation for private villa in Meadows, Dubai (2007)
 - Planning, design, tendering and approval of extended aeration STP 2300 m³/day, Al Khor, Qatar (2007)
 - Planning, design, site management for reed bed treatment system for recycling of sewage for irrigation for tourist facilities, Mamzar Park, Dubai (2007)
 - Planning, design, site management for first green roof reed bed in U.A.E., Dubai (2007)
 - Site management and construction supervision of reed bed treatment system for BG-Oman labor camp in Abu Butabul, Oman (2007)
 - Design and construction supervision MBR system for Model Water Home, Waterfront, Dubai
 - Support for Design and Tendering of produced water recycling facility (45.000 m³/day produced water to biomass) for PDO, Oman (2008)
 - Conceptual Design for decentralized waste water treatment, Al Sodah Island Resort, Oman (Mai 2009)
 - Concept for sewage sludge mineralization, Al Awir Sewage Treatment Plant, Dubai Municipality (April 2009)
 - Consultancy for sewage treatment and MBR Sewage Treatment Plant test run for Arabianparkhotel, Jadaff, Dubai (April 2009)
 - Consultancy for sewage treatment and MBR Sewage Treatment Plant test run for Central Veterinary Research Laboratory, Dubai (Mai 2009)
 - Feasibility study Water management Headquarter Sharjah Municipality
 - Diagnostic Review, water management, Expo Center Sharjah
 - Design, project management and construction supervision of extended aeration sewage treatment plant 400 m³/day incl. sludge mineralization reed beds, Evason & Six Senses Spa, Zighybay, Oman (Mai – Oktober. 2009)
 - Design & build of water treatment and oil recovery for hazardous liquid waste lagoons (20.000 m³), Beeah, Sajaa Landfill, U.A.E. (July-August. 2009)
 - Design, project management and construction supervision of a test reed bed (100 m²) for treatment of UASB outflow for ground water recharge, Ajman Sewerage, U.A.E. (Oktober. 2009)
 - Design, construction supervision and operation supervision of a pilot reed bed (14.5 m³/day) for sewage treatment, Muriyah, Al Sifah, Oman (04/2010)
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- Technical proposal and tender support for sewer line cleaning and rehabilitation for main sewer line Baghdad, 15 km, DI 3 m, Irak
 - Baseline Study, water quality monitoring of corniche area in Doha Qatar on behalf of Bauer Emirates Environment for Ministry of Environment Qatar (06/2010)
 - Detailed Design, preparation of tender documents, construction supervision and start-up of 2 reed bed treatment systems (300 m³/day, 25 m³/day) as specialized sub-consultant of Parsons Abu Dhabi for TDIC project Sir Bani Yas Island. (2010/2011)
 - Feasibility study about sewage treatment plants for the extension of Sohar University, Oman (05/2010)
 - Project Management for installation of Autoclave system for Medical Waste treatment in Sharjah. (2010)
 - Comparison study, design and preparation of tender documents for MBR, MBBR, extended aeration and reed bed systems for Sohar University (1000 m³/day) (2011)
 - Design, supply and installation of sewage treatment plant for edible oil factory in Sharjah (250 m³/day, DAF, MBR, UF) (2010-2012)
 - Design support and construction supervision of a reed bed treatment system for a labour camp (14 m³/day) in Mirfa, U.A.E. (2011)
 - Design support and construction supervision of a reed bed treatment system for a labour camp (14 m³/day) in Sila, U.A.E. (2011/2012)
 - Conceptual design and construction supervision of sewage reed irrigation fields for TDIC on Sir Bani Yas Island (2011)
 - Ecological survey for EIA of Shiebat Al Watha Project on behalf of Ramboll for Aldar, Al Ain (2011)
 - Design of holding tanks, lift station and buffer tank with oil and grit separation, edible oil factory in Yanbu KSA, (2011)
 - Design, tender, construction supervision and operation management of pilot surplus sewage sludge dewatering reed beds, Al Salt STP, Jordan. (2011-2012)
 - Specialized sub-consultancy services for overview consultant of MBR STP Saadiyat Island, 75.000 m³/day, Abu Dhabi (2011-2012)
 - Tender Planning for Sila STP extension to 5000 m³/day, U.A.E. (2011)
 - Preparation and evaluation of RfP documents for tanker sewage discharge and treatment with constructed wetlands, 5000 m³/day as specialized sub-consultant on behalf of Atkins for Ashgal, Qatar. (2011-2012)
 - Feasibility study, Design and Tender of STP 10.000 m³/day for a theme park in Tehran as specialized sub-consultant (2011-2012)
 - Site visit, concept and offer preparation for water supply incl. water filtration systems of 3 villages in North East of Chad (2012-2013)
 - Data evaluation, Concept Design, preparation of Design & Build tender documents and evaluation of tender for food factory ETP (280 m³/day, Biogas, extended aeration, Filtration, RO), Al Qouz, Dubai,
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U.A.E.

- Data evaluation, concept design and preparation of tender documents for ETP upgrade meat processing factory, Industrial Park, Dubai, U.A.E. (09/2012)
 - Design and procurement support for rehabilitation and upgrade of Water Treatment Plant Bahri, Khartoum, Sudan (2012)
 - Concept design, RFP preparation, construction supervision support for ornamental TSE wetland pond with reed bed filtration, 40.000 m² for Doha North Sewage Treatment Works, Qatar. (07-2012 – 02-2015)
 - Consultancy Support for TSE Buffer Zone Wetlands for Doha North Sewage Treatment Works, Qatar. (07-2012 – 09-2012)
 - Design and construction support for sludge mineralization reed beds around an MBBR –STP Bahrain (2012)
 - Overview consultancy for ETP extension from 250 to 400 m³/day Al Ain Poultry Farm; Screening, Grit Removal, DAF, Aeration, MBR U.A.E. (07-2012 – 11-2013)
 - Design, tender and construction supervision of 2 reed bed filter sewage treatment plants (198 m³/day) for 2 villages in Northern Emirates for Ministry of Public Works, U.A.E. (10-2012 – 02-2015)
 - Design and Project Management of NT-Zublin sewer line survey and cleaning, 3m DIA, 15 km, Baghdad, Iraq. (08-2012 – 09-2014)
 - Hydraulic calculation and civil structure design of Abujan STP, 7500 m³/day, Nigeria (05-2013 – 11-2013)
 - Concept, approval planning, of TSE reed bed, 400 m³/day, Sustainable City Dubai, U.A.E. (04-2013-06-2013)
 - MBR tender support and evaluation, 400 m³/day, Sustainable City Dubai, U.A.E. (04-2013-06-2013)
 - Design and tender preparation of STP (80m³/day, activated sludge) for KFNB shipyard extension, KSA (12-2013 – 02-2014)
 - Bid proposal management, project management MBR and sludge dewatering reed bed German Embassy, Kabul, Afghanistan (02-2014 – 10-2014)
 - Bid proposal management, project management MBR and sludge dewatering reed bed Kingdom of Netherlands Embassy, Kabul, Afghanistan (09-2014)
 - Bid proposal and project management MBR plant Aschersleben, 25 m³/day, old people's home (06-2012)
 - Design Support of water treatment plants for Study and Design of Utilization of Dam Water in Various Regions of the Kingdom of Saudi Arabia (2012)
 - Market evaluation, setting up cooperation, bid proposals (municipality STP, dairy farms, industrial waste water) and application for EU-subsidies for first project for Mena-Water GmbH in Poland
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- Ecosus Product (Terra Preta) marketing and sales to U.A.E., organization of local Ecosus production in U.A.E.
 - Design of settling lagoons for 3500 m³/h dewatering water (Qatar metro project) (12-2014)
 - Design of test reed bed treatment system for Prime Asia leather factory in Tan Than District Vietnam (12-2014)
 - Design of a reed bed treatment system for a fish processing factory in Copporpac on Galapagos island, Ecuador
 - Design of reed bed for public toilet, Faculty Department of Architecture, American International Architectural University (AIAU), Dhaka, Bangladesh (02-2014)
 - Technical proposal, design review and construction supervision for reed bed of Wildlife Center in Kalba, Sharjah (11-2014 - 10-2015)
 - Design review of SBR waste water treatment plant design Rashdiya STP 27500 m³/day, Iraq (06-2014)
 - Study review, tender preparation of MBR ETP for Al Ain Dairy Farm, 2000 m³/day (06-08/2015)
 - Bid Evaluation of hazardous liquid waste treatment plant Sajaa, Sharjah, 300 m³/day (05-08/2015)
 - Concept design, cost estimation and detailed design of grey-water reed bed eco-Quartier Pfaffenhofen, Germany (03/2015)
 - Concept design and cost estimation for reed bed treatment plant village Friedenfels, Germany (04-06/2015)
 - Concept design, detailed design and construction supervision for reed bed water treatment system for a water fun ride in the leisure park Heidepark Soltau, Germany (09-2015- 07-2016)
 - Bid Design (layout, BOQ), concept design, detailed design, construction and operation supervision and operator training for Pilot Reed Bed Haya Water, Quriyat, 50 m³/day, Oman (10-2015 - 08-2017)
 - Consultancy for rehabilitation of landfill leachate reed bed, tech-concept FZE, Clark, Philippines (11-2015)
 - Support in product development, production set-up and marketing of Terra Preta Soil conditioner and fertilizer for Ecosus (2015)
 - Concept design, detailed design, tender and construction supervision for sustainable waste water treatment and solar and hydro-power supply for Garachico Valley, Tenerife, Canary Islands (2015)
 - Concept design reed bed sewage treatment plants for MOPW project Butain Al Samer, public housing, 13.000 inhabitants, U.A.E. (01-2016)
 - Proposal, Concept Design, Detailed Design & Construction supervision for Dubai Creek Harbour – The Sanctuary District Wetland, Emaar (100,000 m²), Dubai (05 – 2016)
 - Design and tender preparation for activated sludge sewage treatment plant for Ramboll (290 m³/day), Ministry of Interior Headquarter
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- Design of reed bed filter after biogas, anaerobic baffled reactor and anaerobic filter Ecolodge Feynan Jordan, in cooperation with Blumberg for Borda, giz (5 m³/day) (05 – 2017)
 - Design of reed bed filter after anaerobic baffled reactor and anaerobic filter STP Wadi Hassan, Jordan, in cooperation with Blumberg for Borda, giz (50 m³/day) (05 – 2017)
 - Design of sludge dewatering reed beds for STP Wadi Hassan, Jordan, in cooperation with Blumberg for Borda giz (1,5 t DS/day) (05 – 2017)
 - Design of water management concept EXPO 2020 in Dubai, Sustainability Pavilion, 20 m³ Brackish Water RO, 11 m³ Condensate Treatment, 6 m³ Grey Water Treatment, 50 m³ Black water Treatment (05 – 2018)
 - Pipe assessment, characterization, static calculation and rehabilitation recommendation according to video and laser survey of Dubai airport storm water discharge pressure line, DN 1600, 2 km. (Nov. 2018 – Feb. 2019)
 - Design and installation support of SBR -Reactor in existing holding tanks for a meat processing factory in Dubai, 400 p.e. (Nov. 2017 – Jan. 2020)
 - Design of constructed wetlands for Azraq town in Jordan in cooperation with Blumberg for Borda, 40.000 p.e. (Feb. 2019)
 - Detailed Design and tender for reed bed treatment plant village Friedenfels (600 – 2246 m³/d), Germany (04-2019)
 - Detailed Design of three constructed wetlands for lake water treatment Hefei Central Park, China (2022)
 - Detailed Design and construction support of constructed wetlands for the Red Sea Global Project in K.S.A., 16,000 m³/day (2021 – 2023)
 - Design and construction supervision and start-up operation of several reed beds for waste water, elephant pond water, ornamental pond and visitor toilets for Sharjah Safari Park, (2020 – 2023)
 - Design and construction supervision of waste water reed bed and TSE irrigated green wetland roof for Charles Darwin Foundation Center, Galapagos islands for Blumberg Engineers (2022 - 2023).
 - Geophytofilter design, tender and construction supervision for Lietzensee Berlin, Germany (2022 – 2023).
 - Pre-feasibility study and site assessment for implementing constructed wetland technology in Methnat Rajel in Mafraq governorate and suggesting technical nature-based solutions for the water crises at that area, Jordan (2023)
 - Process and hydraulic design of slow flowing sand filter plant Julius Nyerere Hydropower Project for fluence, 150 m³/d, Tanzania (2023 – 2024)
 - Concept design, detailed design and construction supervision of Reed Bed System in combination with Ultrafiltration unit for wastewater treatment of Ras Al Amud Resort , Sultanate of Oman (2023-2024).
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- Concept design, detailed design and construction supervision of Aerated Reed Bed System for Khor Najed Labour Camp, Sultanate of Oman (2024-2025).
 - Concept design, detailed design and construction supervision of Reed Bed System for Sustainable Farm Qatar Foundation, Qatar (2024-2026).
 - Concept design, detailed design and construction supervision of Reed Bed System for Marine Research Institute, Sharjah (2024-2026).
 - Concept Design and preparation of RFQ for pilot reed bed Al Saad, National Water Company Saudi Arabia, KSA (2024)
 - Proposal, Offer Design, Detailed Design, Construction supervision for Reed Bed System Riyas-NGL, Aramco, KSA (2023-2026)
 - Proposal for Pilot Reed Beds for Al Asfar and Al Uyun Lake Rehabilitation, NCVC, KSA (2024)
 - Concept design, detailed design, tender preparation for activated sludge STP in Wolfsberger Wipper (900 EW), Germany (2023-2024)
 - Concept design of lake treatment with reed beds for an amusement ride, Heidepark Soltau, Germany (2024)
 - Proposal Design of a reed bed system with pond for the Innovation Hub Neom, KSA (2024)
 - Proposal Design of sludge reed beds in Al Badaa, Neom, KSA (2024)
 - Concept and detailed design of lake treatment with reed beds for an amusement ride, Heidepark Soltau, Germany (2024)
 - Design and construction supervision of a private pool with reed bed filtration, Lemgo, Germany (2024)
 - Advisory Service for the water distribution of a reed bed for surface water treatment of a waste management plant Reterra Trappenfelde, Germany (2024)
 - Concept Design of pilot reed beds for SWCC, KSA (2024)
 - Design and construction supervision of constructed wetlands for the Riverside Project in Addis Ababa (Treatment of River Water and Wastewater discharge with different constructed wetland types), Ethiopia (2024-2025)
 - Design of constructed wetlands for acid mine drainage, Lausitzer Grauwacke GmbH, Lieske, Germany
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Publications

- Sievert, W. and Schlick, J. (2009) Three examples of wastewater reuse after reed bed treatment, Dubai, Industrial Zone. Case study of sustainable sanitation projects, SuSanA, <http://www.susana.org/lang-en/case-studies?view=ccbktypeitem&type=2&id=74>.
 - Sievert, W. (2009) Introduction to reed bed technology, case studies and solutions - constructed wetlands for wastewater treatment; powerpoint presentation. German Alumni Water Network, DAAD. http://www.gawn.de/seminars/Jordanien09/Sievert-MizanConsult-Constructed-Wetlands_03.pdf
 - Austermann-Haun, U. and Sievert, W. (2009) Introduction to reed bed technology, case studies and solutions - constructed wetlands for wastewater treatment; powerpoint presentation. German Alumni Water Network, DAAD. http://www.gawn.de/seminars/presentations_bochum10/Bochum_Reed%20bed%20technology.pdf
 - Dr. Wark, M. and Sievert, W. (2011) Sohar University Landscape Irrigation and Waste Water Treatment, Landscape, www.landscape-me.com, Nov. 2011
 - Wehbe, S.; Zewge, F.; Inagaki, Y.; Sievert, W.; Kumar Nutakki, T.U.; Deshpande, A. Unsaturated Vertical Flow Constructed Wetland for Chlorothalonil Remediation with Target Application in Ethiopian Floriculture Industry. *Water* **2023**, *15*, 3282. <https://doi.org/10.3390/w15183282>
 - Muhammad Ishtiaq, Muhammad Akram, She Zhi Tao, Hicham Belmaati, Muhammad Haroon Siyech, Wolfram Sievert, Alexandros Stefanakis, (2024) Two years monitoring and optimization of a large-scale Constructed Wetland in the Red Sea designed for 70,000 inhabitants <https://www.sciencedirect.com/science/article/abs/pii/S0959652625006572?via%3Dihub>
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