

SCHOOL OF WATER AND ENVIRONMENT

Environmental Engineering Department



Jianqiang Zhao

Email: 626710287@qq.com

Homepage:

Research area or direction

1. Biological wastewater treatment;
 2. Biological nutrient removal;
 3. Highway traffic environment assessment.
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Aixia Chen

Email: 489520939@qq.com

Homepage:

Research area or direction

1. Water pollution control;
 2. Ecological environment protection.
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Wenke Wang

Email: [wengkew@chd.edu.cn](mailto:wenkew@chd.edu.cn)

Homepage:

Research area or direction

1. Prevention and control of soil and water pollution risks;
 2. Interaction between surface water and groundwater;
 3. Numerical simulation of groundwater flow;
 4. Development and utilization of groundwater resources and ecological protection.
-



Liping Qiu

Email: lpqiu3699@sina.com

Homepage:

Research area or direction

1. Water treatment theory and technology;
 2. Water environment and water resource protection;
 3. Modern environmental monitoring and evaluation.
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Xiaoling Zhang

Email: Zhangxiaoling101@126.com

Homepage:

Research area or direction

1. Wastewater treatment and reclamation;
2. Waste sludge treatment and reclamation;
3. Biological nitrogen and phosphorus removal.



Fei Ding

Email: feiding@chd.edu.cn

Homepage:

Research area or direction

1. Environmental chemistry;
2. Computational and environmental toxicology;
3. Environmental risk assessment.



Yaqiao Sun

Email: sunyaqiao@126.com

Homepage:

Research area or direction

Hydrogeo chemistry and ecological environment protection.



Lihui Huang

Email: huanglh@chd.edu.cn

Homepage:

Research area or direction

1. Air pollution;
2. Indoor air quality;
3. Exposure measurement and assessment.

SCHOOL OF WATER AND ENVIRONMENT

Rong Han



Email: 44377602@qq.com

Homepage:

Research area or direction

1. Solid waste disposal and resource utilization;
2. Hydrogen production by biomass pyrolysis or gasification;
3. Biogeochemical cycle of nitrogen in lake sediment.

Qizhao Wang



Email: qzwang@chd.edu.cn; wangqizhao@163.com

Homepage:

Research area or direction

1. Photocatalysis;
2. Heterogeneous catalysis;
3. Energy materials;
4. Photoelectrochemistry;
5. Water/air pollution control.

Meimei Zhou



Email: mmzhou@chd.edu.cn

Homepage:

Research area or direction

1. Development and application of materials with environmental function;
2. Water pollution control technology.

Xiao Wei



Email: chdwx@chd.edu.cn

Homepage:

Research area or direction

1. Fluorescence analysis and detection technology;
 2. Molecular imprinting selective recognition and adsorption;
 3. Novel carbon material;
 4. Waste utilization and resource recovery.
-

SCHOOL OF WATER AND ENVIRONMENT

Xiu Yi



Email: yixiu@chd.edu.cn

Homepage:

Research area or direction

1. Research on remediation of contaminated soils;
 2. Environmental pollution control and prevention of soil and water resources;
 3. Ecological environment remediation and protection;
 4. Soil and water conservation.
-

Zhoufeng Wang



Email: wangzf@chd.edu.cn

Homepage:

Research area or direction

1. The relationship between groundwater and climate change;
 2. Coupling mechanism of water, air and heat transport in vadose zone;
 3. The coupling mechanism of soil vadose zone, groundwater and ecosystem.
-

Zeyuan Yang



Email: yangzeyu@chd.edu.cn

Homepage:

Research area or direction

1. The relationship between groundwater and its eco-environment in arid and semi-arid regions;
 2. The coupling transport among water, vapour and heat in vadose zones;
 3. Design and development of information system in water and soil pollution;
 4. Application of Remote Sensing(RS), Geographical Information System(GIS) and Global Positioning System(GPS) in water resources and eco-environment.
-

Yanpeng Li



Email: liyanp01@chd.edu.cn

Homepage:

Research area or direction

1. Bioaerosol & its environmental and health effects;
 2. Waste disposal and energy utilization.
-

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Lei Duan

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Homepage:

Research area or direction

1. Prevention and control of soil and water pollution risks;
2. Regional groundwater environmental evolution and its ecological effects.



Yuyun Chen

Email: chenyuy@chd.edu.cn

Homepage:

Research area or direction

1. Soil and water pollution control and remediation;
2. Environmental monitoring;
3. Migration, transformation and control of pollutants in multimediu environment.



Ying Chen

Email: cy0818cy@126.com

Homepage:

Research area or direction

1. Environmental protection in highway engineering;
2. Non-point source pollution control.

Yongchang Sun

Email: ycsun@chd.edu.cn

Homepage:

Research area or direction

1. Water pollution control;
 2. Bio-based materials;
 3. Biochar, lignin and cellulose modification and utilization in environment protection;
 4. Remediation of heavy metal/organic pollutant contaminated water/soil by lignin/biochar;
 5. Lignocellulosic biomass biorefinery, and groundwater pollution remediation.
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Weisheng Guan

Email: guanwsh@chd.edu.cn

Homepage:

Research area or direction

1. Water pollution control;
2. Photocatalytic degradation of trace pollutants in water.



Xueli Wang

Email: wx10120@126.com

Homepage:

Research area or direction

1. Environmental behavior of new organic pollutants;
2. Water and soil pollution remediation.



Jifeng Guo

Email: guojifeng@chd.edu.cn

Homepage:

Research area or direction

1. Water pollution control and water reuse;
2. Environmental functional materials.



Xiongde Ma

Email: hgmxd@chd.edu.cn

Homepage:

Research area or direction

1. Groundwater protection and rational development and utilization;
2. Mine ecological environment restoration and governance

SCHOOL OF WATER AND ENVIRONMENT

Hydrology and water Resources department



Aidi Hou

Email: huoaidi@chd.edu.cn

Homepage:

Research area or direction

1. River-groundwater conversion mechanism;
 2. Watershed hydrological model;
 3. Groundwater numerical modeling;
 4. Application of remote sensing in hydrology and ecology.
-



Zhao Liu

Email: lz975@chd.edu.cn

Homepage:

Research area or direction

1. Hydrology;
 2. Water resources management;
 3. Drought analysis and early warning;
 4. Reservoir operation and flood control;
 5. Uncertainties and risks in hydraulic engineering;
 6. The key techniques in construction of CFRD (Concrete Face Rockfill Dam).
-



Jiqiang Lv

Email: lvjiqiang0721@chd.edu.cn

Homepage:

Research area or direction

1. Distributed hydrological model;
 2. Water resources management;
 3. Food risk management and water environment assessment.
-



Zhifeng Jia

Email: 409538088@chd.edu.cn

Homepage:

Research area or direction

1. Transformation law of groundwater-soil water-surface water- precipitation;
 2. Water resources assessment.
-

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Dawei Cheng

Email: cheng198493@qq.com

Homepage:

Research area or direction

1. Mathematical model of water environment;
2. The evolution of ecological environment under the double incentive of climate change and human activities;
3. Mechanical properties of unsaturated soil.



Jianhua Wu

Email: wujianhua@chd.edu.cn

Homepage:

Research area or direction

Groundwater resources and environment.



Yinke Yang

Email: yangyink@chd.edu.cn

Homepage:

Research area or direction

1. River runoff change and climate response;
2. Water environment and water ecology;
3. Water resources planning and management;
4. Water events and geological hazards;
5. Environmental evolution and surface processes.



Weibo Zhou

Email: zwbzy823@163.com

Homepage:

Research area or direction

1. Water resources and environment;
2. Water resources planning;
3. Groundwater theory and application;
4. Water saving irrigation theories and techniques.

SCHOOL OF WATER AND ENVIRONMENT



Pingping Luo

Email: lpp@chd.edu.cn

Homepage:

Research area or direction

1. Major in water conservancy engineering;
2. Hydrology and water resources, environmental engineering.



Hongbo Zhang

Email: hbzhang@chd.edu.cn

Homepage:

Research area or direction

Hydrology and water resources.



Yan Liu

Email: lydyh1437@163.com

Homepage:

Research area or direction

1. Utilization and protection of water resources in arid and semi-arid areas;
2. Anthropogenic activities impacts on regional groundwater;
3. Spatio-temporal evolution of hydroecological elements.



Zhenhong Wang

Email: w_zhenhong@126.com

Homepage:

Research area or direction

1. Watershed ecology;
2. Biodiversity and ecosystem functions;
3. Soil conservation ;
4. Non-point source pollution control.

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Dongyong Sun

Email: sundy@chd.edu.cn

Homepage:

Research area or direction

1. Hydrological simulation prediction;
2. Water resources system analysis ;
3. Hydrostatistics.



Xin Wu

Email: wuxin@chd.edu.cn

Homepage:

Research area or direction

Hydrology and water resources.



Chongfeng Ren

Email: rhf@chd.edu.cn

Homepage:

Research area or direction

Hydrology and water resources.



Anyan Hu

Email: huanyan97@163.com

Homepage:

Research area or direction

1. Evaluation of surface water and groundwater resources;
2. Study on water environment in arid area.

SCHOOL OF WATER AND ENVIRONMENT

Jie Chen



Email: jiechen17@chd.edu.cn; chenjie0705@gmail.com

Homepage:

Research area or direction

1. Hydrogeology;
 2. Groundwater pollution;
 3. Surface water-groundwater interaction;
 4. Water environmental protection.
-

Yudong Lu



Email: luyudong@chd.edu.cn

Homepage:

Research area or direction

1. Hydrogeology;
 2. Engineering geology and environmental geology.
-

Junqi He



Email: hejunqi@chd.edu.cn

Homepage:

Research area or direction

1. Hydro-ecology cycle ;
 2. Effective utilization of water resources.
-

SCHOOL OF WATER AND ENVIRONMENT

Chemical Engineering Department



Wei Wang

Email: wwchem@chd.edu.cn

Homepage:

Research area or direction

1. Vehicle exhaust treatment;
 2. Electrochemical capacitor;
 3. Lithium ion battery.
-



Xia Jia

Email: jiaxianavy@163.com

Homepage:

Research area or direction

1. Global change;
 2. Soil microbial;
 3. Heavy metal pollution;
 4. Phytoremediation;
 5. Trace metals;
 6. Hydrology and water resources.
-



Li Yang

Email: yyangli@chd.edu.cn

Homepage:

Research area or direction

1. Waste water treatment engineering;
 2. Environmental friendly materials;
 3. Development of renewable resources.
-



Lihong Chai

Email: chailh@chd.edu.cn

Homepage:

Research area or direction

Toxic effects and molecular mechanisms of chemical pollutants.

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Xiangfei Lv

Email: lvxf@chd.edu.cn; Sophie_Lv@126.com

Homepage:

Research area or direction

1. “Life pigment” porphyrin-based photocatalysts;
2. Chemical analysis of loess under dry-wet cycle.



Zhan Ding

Email: dingzhan@chd.edu.cn

Homepage:

Research area or direction

1. Recycling of waste;
2. Sustainable and environmental friendly pavement materials.



Yan Dou

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Homepage:

Research area or direction

1. Hydrochemical research and groundwater resource evaluation;
2. Management and protection.



Yunhua He

Email: hyhua@chd.edu.cn

Homepage:

Research area or direction

1. Micro (trace) analysis;
2. Molecular spectrum;
3. Research on environmental pollution control materials.

SCHOOL OF WATER AND ENVIRONMENT

Zhaohui Zhou



Email: zzhlax@chd.edu.cn

Homepage:

Research area or direction

1. Density functional theory;
2. Ab initio molecular dynamics;
3. Non-adiabatic molecular dynamics;
4. Photo-electrochemistry.

Jianyu Xing



Email: xingjy@chd.edu.cn

Homepage:

Research area or direction

Synthesis of functional materials and their applications in environmental pollution.

Mingyan Yang



Email: yangmingyan67@163.com

Homepage:

Research area or direction

Utilization of lignocellulosic biomass.

Suiming Dong



Email: dengsm@chd.edu.cn; 1031983149@qq.com

Homepage:

Research area or direction

1. Water pollution control;
 2. Pollutant migration and transformation process;
 3. Separation and purification of rare and precious metals;
 4. Development and application of water pollution treatment materials;
 5. Environmental assessment.
-

SCHOOL OF WATER AND ENVIRONMENT

Feng Han



Email: hanfeng@chd.edu.cn

Homepage:

Research area or direction

1. Remediation of heavy metal contaminated soil;
2. Migration and transformation of heavy metals in soil-groundwater;
3. Biochar preparation and characterization.

Yuliang Li



Email: yulianglee175@chd.edu.cn

Homepage:

Research area or direction

1. The separation and analysis of trace pollutants by a new green separation system;
2. Application of functional material synthesis in pollutant degradation and energy development;
3. Research on the development of new materials and energy conversion with lignin;
4. Isotopic tracing research on the source and process of nitrogen.

Bo Bai



Email: baibo@chd.edu.cn

Homepage:

Research area or direction

1. Preparation of micro/nano-structured material and application in environmental pollution control;
 2. High-value utilization and development of biological resources.
-

SCHOOL OF WATER AND ENVIRONMENT

Groundwater Science and Engineering Department



Wenfeng Huang

Email: huangwenfeng@chd.edu.cn

Homepage:

Research area or direction

1. Lake ice physics and thermodynamics; 2. Ice-covered lake environment and ecosystems;
 3. Ice loads on hydraulic structures; 4. Thermokarst pond bank erosion in continuous permafrost regions. (Qinghai-Tibet Plateau)
-



Peiyue Li

Email: lipy2@163.com; peiyueli@chd.edu.cn

Homepage:

Research area or direction

1. Hydrogeology;
 2. Hydrogeochemistry; 3. Water quality.
-

Bin Xu

Email: xubin@chd.edu.cn

Homepage:

Research area or direction

1. Deep learning and big data analysis in remote sensing, geographic information system ;
 2. The evolution of soil and water environment in arid and semi-arid regions;
 3. Ecological and environmental risk assessment;
 4. Hydrogeological spatial analysis modeling;
 5. The variation of regional groundwater environment based on the Global Land Data;
 6. Assimilation System and GRACE satellite gravity measurement.
-



Zaiyong Zhang

Email: zaiyongzhang@126.com

Homepage:

Research area or direction

1. Proposed a finite analytic method for modeling variably saturated flows;
 2. Coupled of soil moisture-vapor-heat transport in vadose zone.
-

SCHOOL OF WATER AND ENVIRONMENT



Han Zheng

Email: zhenghan@chd.edu.cn

Homepage:

Research area or direction

1. Ecohydrology;
2. Land-atmosphere water and heat exchange;
3. Carbon and water cycles of terrestrial ecosystems.



Donghui Cheng

Email: chdhbsh@chd.edu.cn

Homepage:

Research area or direction

1. Hydrological processes and mass transport near water table;
2. Entrapped air (gas) in aquifer;
3. Chemical and physics behavior of water at surface and interface.



Wei Wang

Email: wangweichd@chd.edu.cn

Homepage:

Research area or direction

1. Complex groundwater system simulation;
2. Rational exploitation and utilization of groundwater and resource evaluation;
3. The hydrogeological structure evolution and disaster control mechanism of loess Slope;
4. Permafrost hydrogeology.



Hui Qian

Email: qianhui@chd.edu.cn, 55480981@qq.com

Homepage:

Research area or direction

1. Groundwater Pollution;
2. Hydrogeochemistry;
3. Water and Environment;
4. Isotope Hydrology;
5. Loess Hydrogeology.

SCHOOL OF WATER AND ENVIRONMENT



Hongfei Cheng

Email: h.cheng@chd.edu.cn

Homepage:

Research area or direction

1. Mineralogy;
2. Applied clay science;
3. Environmental science.



Xiuhua Liu

Email: liuxh68@chd.edu.cn

Homepage:

Research area or direction

1. Hydro-ecology cycle in vadose zone;
2. Water flow and solute transport processes in soils and groundwater;
3. Microbial and nutrient cycling in soil;
4. Hydrological processes and microbial communities in soils.



Xiaoying Qiao

Email: qiaoxiaoy@163.com

Homepage:

Research area or direction

1. Groundwater resources evaluation and its sustainable utilization;
 2. Transport mechanism of water and heat in unsaturated zones;
 3. The application of RS/GIS in groundwater and its environment.
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