

# Yinyou Deng

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## EDUCATION

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BSc in Environmental protection and management September 2014 — December 2017

*Politechnika Gdańska*

Got acquainted with environmental protection technology in thermal waste treatment installation, construction and operation ballet water

Obtained the BSc degree with GPA 3.8

MSc in Chemical Technology: Clean Fossil March 2018 — July 2019

March 2018 — July 2019 and Alternative

Fuels Energy

*Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie*

Participated in 55th Student conferences to present analysis of environmental impact of the energy sector in China

Obtained the MSc degree with GPA 4.55

PhD in Environmental Engineering, Mining and Energy November 2019 — July 2023

*Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie*

## CONFERENCE

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- 1)Analysis of environmental impact of the energy sector in China 55th Student conferences to present 06 May 2018, Krakow, Poland
- 2)Study on mercury capture by pc-fired boiler fly ash - the typical 225MW Polish power plant boiler with Mariusz MACHERZYŃSKI, Jerzy GÓRECKI, Mateusz WAŁĘKA, Janusz GOŁAŚ at International Conference on Coal Science & Technology 24-28 November 2019, Krakow, Poland-

## RESEARCH

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- 1)Research on comparison of air pollutants monitoring in period of time in China and Poland on the example of PM10 and PM2.5 in cooperation with the Dezhou University and Politechnika Gdańska.

- 2) Research on air quality monitoring and assessments local regional air quality in period of time in Gdansk at Fundation ARMAAG.
- 3) Research performed in cooperation with the Lublin University of Technology and the Institute of Economy of Mineral Materials and Energy of the Polish Academy of Sciences: The use of energy waste raw materials to capture gaseous forms of mercury from exhaust gases (modified synthetic zeolites).
- 4) Initial tests of materials on a mercury capture prototype installation. Tests commissioned by INBRAS SARBINOWSCY S.J. and the Institute of Low Temperature and Structural Research of the Polish Academy of Sciences: A composite adsorber for reducing mercury emissions in waste gases.
- 5) Research on industrial mercury in raw exhaust gas at unit 12 of the Bełchatów Power Plant, in terms of the effectiveness of the use of selected types of powdered absorbents to reduce mercury emissions: Verification tests of industrial tests using adsorbents to reduce mercury from exhaust gases (analysis of fly ash samples from installations).