



Make cities and human settlements inclusive, safe, resilient and sustainable

Education

Making a city inclusive, safe, resilient and sustainable involves joint efforts of many stakeholders, including the government, the private sector, and other actors. Individuals also play a key role in creating a sustainable city and community by raising their self-awareness. HKBU offers multiple General Education (GE) courses to boost students' awareness and understanding of the interaction between humans and the environment. Moreover, we aim to develop and build a sustainable urban environment together with our students and stakeholders in the community.

These are some of the courses:

- GCAP3196 Building Sustainable Cities (Interdisciplinary Independent Study)
- GCAP3215 Art and the Community
- GTSU2047 Walkability of a City
- GTSU2056 People and the Environment



Research

HKBU researchers put joint effort into building a safe and resilient city. Dr Gao Meng, Associate Professor of the Department of Geography, was given the Atmospheric Sciences Division Outstanding Early Career Scientist Award (2020) and The Global Atmosphere Watch (GAW) Early Career Travel Grants (2018). Research conducted by Dr Meng focused on the connections between air pollution and health and climate in highly polluted areas such as China and India.

Assimilating Surface PM2.5 and Ozone Measurements to Improve Health Exposure Assessment and Air Quality Forecasting in South China

The study examines in-depth chemical and physical processes causing severe particulate matter and ozone pollution in Asia using a coupled meteorology-chemistry model. It demonstrates how the incorporation of PM2.5 during winter haze periods can enhance model predictions, and how these enhanced predictions can dramatically lower the uncertainty in estimates of the effects of aerosols on human health. The research also discovered that it is possible to estimate the conditions of the ocean temperature in autumn to predict the severity of the Indian winter haze, which has important implications for pollution prevention at least a season in advance.



Air pollution is like a discipline of its own, and there are many issues to be addressed. Our research outcomes can provide a better understanding of the problem and make a real impact through helping countries develop effective solutions.

In top journals
54%

175
Publications

FWCI
1.78

Dr Gao Meng
Department of Geography





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Event

Green and Health Mindfulness Workshop: Kowloon Park quest

Hong Kong is known for being a concrete jungle, but there are actually many country parks and nature reserves that can subvert one's original impression of Hong Kong. Under the guidance of Green Questers, our students explored Hong Kong's urban nature from a new point of view and raised their awareness of urban sustainability.



Event

Webinar: Aesthetic Wellness Workshop - Countryside Conservation X City

Speakers from the Hong Kong Architecture Centre shared their insights and experiences in unique parts of Hong Kong with students at HKBU. With a better understanding of the speakers' experiences in learning in a remote village and the challenges of promenade development projects in different areas of Hong Kong, our students were encouraged to appreciate and explore the other side of Hong Kong's countryside.

Event

Webinar: Aesthetic Wellness Workshop - Aesthetic Values of the Future Cities - from Urban Planning and Design Perspectives

In this webinar, registered professional town planner Mr Jeffrey Wong shared with our staff and students the key aesthetic values of future Hong Kong from urban planning, design perspectives and discussion on the possible ways to achieve them. It was also an opportunity for participants to revisit the urban planning and design strategies and spatial development directions beyond 2030.