

The logo for the Indian Institute for Human Settlements (iihs) is located in the top left corner. It consists of the lowercase letters "iihs" in a white, sans-serif font, with a registered trademark symbol (®) to the upper right. The text is set against a dark red rectangular background.

INDIAN INSTITUTE FOR
HUMAN SETTLEMENTS

JOB DESCRIPTION

Aquatic Ecologist – School of
Environment and Sustainability (SES)

Who are we?

The Indian Institute for Human Settlements (IIHS) is a national education, research, practice and capacity development institution committed to the equitable, sustainable and efficient transformation of Indian cities and settlements.

The School of Environment and Sustainability (SES) at IIHS and its Long-term Urban Ecological Observatory (LTUEO), the first such mega-city observatory in the world, focus on the sustainable transformation of diverse human settlements and the social-ecological-technical systems they are part of in the face of global change, especially urbanisation and climate change. The SES and LTUEO work on cutting edge scholarship and knowledge, education, and practice focused on solutions to wicked and complex environment and sustainability problems within the context of a rapidly urbanising India.

For more information, please see <http://www.iihs.co.in>

What are we looking for?

We are looking for an emerging scholar in aquatic ecology who can work with IIHS faculty and researchers on the ecological dimensions of managed and semi-natural aquatic ecosystems from rivers to urban lakes and constructed wetlands. They would demonstrate interest and skills in the design and testing of nature-based solutions as part of the integration of blue, green and grey infrastructure across the rural, peri-urban and urban continuum.

Prospective applicants will work with faculty within the SES and LTUEO as well as other Schools at IIHS, building on ongoing and emerging academic, research and practice work in water systems, ecology and ecosystem services at multiple scales of governance and management. The candidate needs to showcase quantitative and analytical rigour through their ability to conduct aquatic ecological modelling on aquatic systems and contribute to salient and policy-relevant scientific peer-reviewed publications.

Qualifications

Applicants should hold a PhD in aquatic ecology and aquatic systems ecosystem services or a related field, with a depth and breadth of knowledge across various aquatic systems e.g. lakes, rivers and estuaries, and a good grasp of natural history of aquatic fauna and flora. They would have a proven research and publication record with at least three relevant publications in noted peer-reviewed journals.

Applicants should have a demonstrated depth and breadth of knowledge in various methodological approaches and techniques across aquatic systems; exposure to modelling of aquatic ecosystem dynamics using mechanistic and semi-empirical/statistical methods; the ability to generate insights by analysing large secondary data sets; the ability to design studies and generate novel primary and field data including from instrumented catchments and sensors; and proficiency in using quantitative and modelling tools, especially R. Candidates must be interested in and have experience in doing field work and conducting measurements/observations.

Ideal candidates will have some knowledge of the urban, as well the ability to engage with policy-facing questions.

What will you be expected to do?

You will be engaged in research and monitoring of aquatic fauna and flora in our LTUEO constructed wetlands and the ecological connectivity of these systems with nearby water bodies, and will contribute to developing a portfolio of applied aquatic ecology work in Bengaluru and wetland and river systems elsewhere. You will use your aquatic ecology knowledge to help design nature-based solutions in Bengaluru and elsewhere. You will contribute to teaching and training programs of IIHS and SES/LTUEO, and help write grant proposals. Finally, you are expected to communicate your work within and outside the institution to diverse audiences using a variety of platforms.

What do we offer?

Our growing body of cutting-edge research and practice offers opportunities that encompass water, ecological and infrastructural systems at local to national scale with active participation and contributions to international science-policy forums such as [IPCC](#), [IPBES](#) and [GCEW](#).

Our collective faculty experience and scholarship on water, ecology, sustainability science, climate science and urban sciences offers an unparalleled opportunity for professional development. You will be part of a high-performance interdisciplinary team with access to established partners and collaborators from across the world.

You will have access to the first mega-city LTUEO in the world and IIHS' cutting-edge Geospatial Lab, Urban Informatics Lab, Word Lab and Media Lab.

We offer a flexible, inclusive and diverse work environment across our campuses and diverse field sites and projects that provide the biophysical, social-ecological and technical basis for application of ecological/water economics at scale.

We offer compensation that's commensurate with qualifications and demonstrated experience and skills, along with a range of benefits and support.

What interests should you have?

Ideal candidates would have an interest in the creation and application of diverse knowledges and practices to address water, ecological, biodiversity, environmental and sustainability challenges in an integrated manner.

Openness to interdisciplinary, collegial and collaborative teamworking, along with excellent interpersonal and communications skills, are essential.

The ability and interest to publish in peer-reviewed journals and communicate in mainstream and social media is desirable.

Where will you be based?

You will be based in Bengaluru but may be required to travel to other campuses and field sites and projects across India and abroad as needed.

Anything else you should know?

Review and Assessment - The role and performance of this position shall be subject to normal review and assessment systems at IIHS.

Diversity Policy - IIHS is an equal opportunity employer that encourages women, people with disabilities and those from economically and socially excluded communities with the requisite skills and qualifications to apply for positions.

How to apply?

To be considered for this opportunity, please upload your CV and fill the online application form by clicking [here](#). (You can also click on the “Apply Now” button at the end of the Job Description displayed on the website).

Ensure that your CV includes the names of three referees. Alongside, also upload a letter of intent outlining your fit with the JD.

In case of questions?

Please write to us at hr@iihs.co.in if you need any clarifications while filling the online application form.



IIHS Bengaluru City Campus

197/36, 2nd Main Road, Sadashivanagar, Bengaluru 560 080. India.
T: +91 80 6760 6666 | F: +91 80 2361 6814

IIHS Chennai

Floor 7A, Chaitanya Exotica, 24/51 Venkatnarayana Road, T Nagar Chennai
600 017. India. T: +91 44 6630 5500/6555

IIHS Delhi

803 Surya Kiran, 19 Kasturba Gandhi Marg, New Delhi 110 001. India.
T: +91 11 4360 2798 | F: +91 11 2332 0477

IIHS Mumbai

Flat No.2, Purnima Building, Patel Compound, 20-C, Napean Sea Road,
Mumbai 400 006. India. T: +91 22 6525 3874

www.iihs.co.in