

**To,  
ISPRS TIF Committee**

Subject: Experience report on Mid-Term Symposium ISPRS TC1 at Changsha, China

Date: 26 – May - 2024

Dear Members of the ISPRS Travel Grant Committee,

I am pleased to share my experience from the International Society for Photogrammetry and Remote Sensing (ISPRS), Mid-Term Symposium of TC1 held in Changsha, China last week. I had the honor of contributing an oral presentation titled "UAV and Deep Learning for Freshwater Conservation: Detection of Select Riparian Species in the Ganga River." This symposium was my first trip outside India, and I want to extend my heartfelt thanks for the financial support and the opportunity to gain insights from the world on remote sensing. The TIF Travel Grant of amount 1700 USD was invaluable for which I am deeply grateful.

The symposium provides a platform to share insights, gain exposure to cutting-edge developments, and network with professionals in this advanced field where we could work on the data-driven world's need for instant analysis. Particularly, my study pioneers ecological monitoring, employing UAVs and deep learning to detect riparian habitat types. With the YOLO V8 model achieving over 90% accuracy, the research contributes to real-time, automated freshwater species observations.

The symposium was also a tremendous opportunity for me to network with esteemed professionals in my field from around the world, including Prof. Mariana Campos, Prof. Guo Yunkai, Dr. Li Shaolin, Dr. Yuqi Lei, Dr. Santa Pandit, and Mr. Xinji Tian. These connections have already proven beneficial and I am excited about the potential future collaborations.

I work at the Wildlife Institute of India, and as an avid lover of the environment and wildlife, I am passionate about research that will enable me to decode the patterns in nature and further contribute to solving environmental problems. I believe that becoming a member of ISPRS or associating with this organization will help me in achieving this goal, not only from India but also across the globe.

Thank you once again for your support and I look forward to staying engaged with ISPRS.

Warm regards,

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