

Collaborative research visit as a JST young researcher fellow at the ICR, Ohki Laboratory

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I joined the lab as an international research student from March 12 to December 20, 2025. The purpose of my stay was to acquire advanced techniques and develop new experimental methods in Electrochemical Nitrite reduction using synthetic $[\text{Mo}_3\text{S}_4\text{M}]$ clusters. During my stay, I was integrated into the daily research routine, contributing to ongoing projects and expanding my technical skill set. This exchange program provided a unique opportunity to immerse myself in a world-leading research environment. I appreciated the supportive atmosphere, the opportunity to experiment independently, and the mentorship that enabled me to make meaningful contributions to the group's work.

During my stay in Japan, I had the opportunity to present my research at several academic events. I delivered a poster presentation at the IRCCS-ILR IRTG International Symposium at Nagoya University on 12th June, at the Embassy of India in Tokyo on 28th July as an invited Young Indian Researcher under the Lotus Programme, and at the 3rd Kaken-Nara Women's Exchange Meeting at Kyoto University on 29th November 2025. In addition to academic engagements, I also enrolled in and successfully completed the Japanese Language Elementary-1 course at Kyoto University, which enriched my communication skills. Overall, these experiences have broadened my academic perspective, strengthened my research interests, and prepared me for future scholarly endeavours.

I would like to express my deepest gratitude to Professor Yasuhiro Ohki for providing this invaluable opportunity and for his unwavering support throughout my stay. I would like to thank Professor Tanifuji, whose mentorship, kindness, and willingness to share his expertise have had a lasting impact on my professional growth. I am equally thankful to Professor Izu for his continued assistance and to all the members and students in the laboratory for their warm hospitality, collaborative spirit, and countless ways they helped me learn and grow. The relationships I have built here will remain a cherished part of my journey. Some of the memorable moments are captured in the images shared below.

During my stay here, I've been lucky enough to roam Japan's vibrant cities, feeling the buzz of Tokyo's streets, soaking in the timeless serenity of Kyoto's temples, and discovering quiet corners that stole my breath away. Each place filled my days with wonder, and the warmth of the people made every moment unforgettable. From the bottom of my heart, "Arigatogozaimasu" for this incredible experience. I hope to return again and again whenever I get the chance.

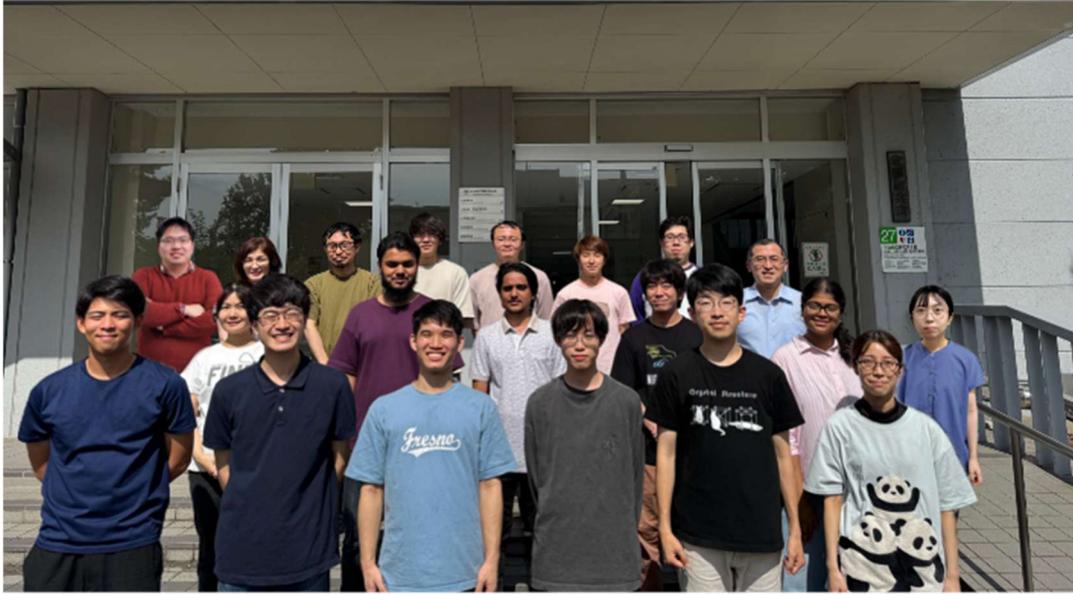


Figure 1: Lab members



Figure 3: Poster Presentation at Nagoya University with Shimoyama-san(left) and Adachi-san (right).



Figure 2: Dinner at a traditional Japanese restaurant near Kyoto Station (with Prof. Paria, Prof. Ohki, Prof. Tanifuji, Prof. Izu and Kamal-san).

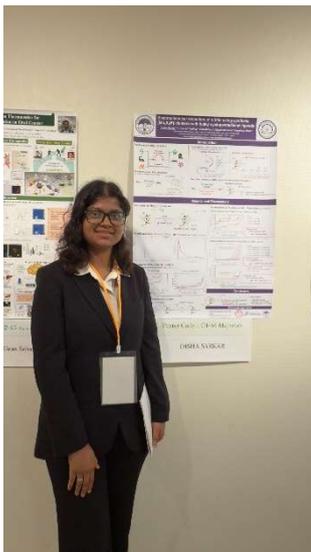


Figure 4: Poster Presentation at Embassy of India, Tokyo



Figure 5: Working in the Glove box.