Melbourne India
Postgraduate Academy (MIPA)
Message from the Director

It's been an absolute honour to serve as Director of Melbourne India Postgraduate Academy – MIPA since its inception. I feel privileged to share my thoughts and reflections on the remarkable journey we have undertaken with the joint PhD candidates and distinguished academics from Melbourne as well as from our partner organisations.

MIPA is a testament to the power of collaborations for impact. Our focus has never been about numbers; it has always been about nurturing the next generation of outstanding research talent. MIPA provides them with a unique opportunity to access expertise and world-class facilities at the two top institutions, develop their networks, and work on projects that push the disciplinary boundaries to tackle some of the most pressing global challenges.

It has been heartening to witness the tremendous growth and achievements of this initiative over the years, even during the pandemic. Our academics stayed connected virtually, and our graduates are already making significant contributions in academia, research, industry, and government, not only in Australia and India but across the globe. The collaborations MIPA has nurtured, the young minds it has empowered, and the research we have conducted together are making a tangible contribution to the world.

As the Director of MIPA, I am extremely grateful for the ongoing support from all levels of leadership at The University of Melbourne and our MIPA partners. I would also like to acknowledge all my academic colleagues who have contributed immensely to making this program a success.

I am excited about the future of MIPA and our continued partnerships with Indian institutions. I am confident that we will continue to push the boundaries, seek innovative solutions, and make a lasting impact. Together, we can address the most pressing global challenges and contribute to a sustainable future for all.

Associate Prof. Meenakshi Arora
Director, Melbourne India Postgraduate Academy (MIPA)
Academic Lead, Faculty of Engineering & Information Technology
Messages from Leadership at The University of Melbourne

The University of Melbourne has long been a foundational institution in the life of Australia. In more recent decades it has come to play a growing role internationally as well, particularly through its international partnerships in India, and other key regions of the world. Our maturing relationships with leading scientific and higher education institutions in India – of which there is no finer illustration than the great work of the Melbourne India Postgraduate Academy – are extremely important for both our nations. In both India and Australia, the PhD candidates and the staff members who participate in MIPA are making an important contribution now to the future of the world. The importance of this contribution can only grow in years to come.

Professor Duncan Maskell | Vice-Chancellor, The University of Melbourne

Supporting international research collaboration is a strategic priority for the University of Melbourne. The opportunities provided through MIPA give PhD candidates the chance to tackle some of the biggest and most complex global challenges. These candidates access expertise, resources and world-class training at Melbourne and at the campuses of our partner institutions in India and become part of two high-quality research environments and cultures. Through MIPA, we are pushing boundaries as we seek to develop the next generation of researchers, innovators and entrepreneurs that discover new knowledge that benefits society at a global level.

Professor Mark Hargreaves | Deputy Vice-Chancellor Research

Prime Minister Narendra Modi and Prime Minister Anthony Albanese met twice in 2023, reaffirming the strength of the multifaceted bilateral ties between our countries that have deepened under the India-Australia Comprehensive Strategic Partnership which was established in 2020. Key joint programs such as MIPA are integral drivers of this strategic partnership. By bringing together early career researchers from our MIPA partners with their peers at the University of Melbourne, and by forging or deepening relationships between their supervisors, MIPA facilitates the people-to-people connections which bring a strategy to life. MIPA does not only support research collaboration and innovation in a wide range of disciplines, but also fosters mutual understanding and trust which are crucial for taking the Australia-India relationship to the next level.

Professor Michael Wesley | Deputy Vice-Chancellor Global, Culture and Engagement

Our research partnerships enhance our collective research and research training opportunities and instil a truly global perspective into the research we do. We benefit from each other's complementary expertise. The MIPA initiative has created wonderful opportunities for Melbourne researchers to collaborate with researchers across India's top research institutions to supervise high quality joint PhD candidates. As the program matures and candidates complete their projects, we are starting to see some of the impact of this joint work, which only leads to the strengthening of our relationships with our Indian colleagues.

Professor Justin Zobel | Pro Vice-Chancellor, Graduate and International Research
The Faculty of Medicine, Dentistry and Health Sciences has strong ties with India through research, clinical training, teaching, and leadership programs. By collaborating on key global health challenges, we enhance our impact and benefit the health and wellbeing of our global community. We are delighted to now expand our work through the Melbourne India Postgraduate Academy program. We look forward to welcoming our first cohort of joint PhD candidates, to nurture their ideas and together with our MIPA partners prepare them to drive transformative outcomes in health research in their communities.

**Professor Jane Gunn** | Dean, Faculty of Medicine, Dentistry and Health Sciences

The Melbourne India Postgraduate Academy is a wonderful example of collaboration and a demonstration of the power of working together for impact. Since its creation, the program has facilitated ongoing collaborations through joint PhD candidates enrolled in a joint program with the University of Melbourne and one of our four partners from India. PhD researchers are the key to a thriving University, able to address challenges related to climate, energy, sustainability water and infrastructure. MIPA empowers our next generation of outstanding research talent to join international networks and gain experience in two cultures, while working on projects that drive technology and care for our planet further.

I am immensely proud of our faculty's involvement in MIPA, capably led by Associate Professor Meenakshi Arora. Programs like MIPA are vital for international collaboration and advancing research and teaching.

**Professor Mark Cassidy** | Dean, Faculty of Engineering and IT

The world is facing many great challenges, including in the areas of climate change, health and the need to preserve biodiversity. To address these challenges, and to grasp the associated opportunities, it is essential that we work across discipline boundaries and with the most talented PhD candidates and academics, regardless of where they reside. It is for this reason, partnerships with Indian institutions, including through MIPA, are a high priority for the Faculty of Science. As proven by history, such partnerships have been extraordinarily successful. It is also a great joy and honour to work with such talented Indian colleagues.

**Professor Moira O'Bryan** | Dean, Faculty of Science

The Australia-India relationship is a most important international relationship for the University of Melbourne. MIPA serves as one of the key platforms to foster this relationship. As the ADVCI and former Director of MIPP/MIPA, I am proud to see the continuing growth of this program by attracting highly talented future leaders who choose to find sustainable solutions to major problems that benefit the global community. I have also had the opportunity to supervise several MIPP/MIPA joint PhD candidates that has led to ongoing research collaborations with Indian partner institutions. I wish for the continuing success of MIPA as one of the flagship programs for Melbourne-India partnerships.

**Professor Muthupandian Ashokkumar** | Assistant Deputy Vice-Chancellor International
Messages from MIPA Partners

We have always been committed to fostering excellence in teaching and research at IIT Kanpur, and our partnership with MIPA reflects this shared commitment. Together, we have created an extraordinary platform that bridges the gap between India and Australia, offering unparalleled opportunities for intellectual growth and cultural enrichment. MIPA believes in the value of meaningful collaboration, broadening perspectives, and empowering future leaders. As a University of Melbourne partner, IIT Kanpur is honoured to be a part of this incredible endeavour, providing joint PhD candidates an opportunity to create an impact at the global level.

MIPA is a transformative journey that spans borders and redefines possibilities. It is designed to maximise individual potential with a focus on global perspectives and multidisciplinary teamwork. Our persistent commitment to cutting-edge research, academia, and personal development ensures that every graduate researcher’s experience at MIPA is nothing short of exceptional.

Professor Abhay Karandikar | Director, Indian Institute of Technology, Kanpur

The partnership between IIT Madras and the University of Melbourne through MIPA program will enable faculty from both the institutions to pursue world-class research and train joint PhD candidates to be future leaders in their fields.

Professor V Kamakoti | Director, Indian Institute of Technology, Madras

IIT Kharagpur expresses our great appreciation for the MIPA partnership which has strengthened continually since 2018. This program is a testament to the synergy and mutual capabilities that defines our partnership with University of Melbourne. As we move forward, IITKGP remains fully committed to enhancing our collaboration and camaraderie through exchange of new ideas, opportunities and strategies that will benefit both our institutions.

Professor Virendra K Tewari | Director, Indian Institute of Technology, Kharagpur

Indian Institute of Science (IISc) greatly values its long-term cooperation with the University of Melbourne. In the beginning of 2021, we signed our Joint PhD Program agreement as a part of the Melbourne-India Postgraduate Academy. Under the program, we look forward to strengthening this relationship through joint mentorship of PhD researchers, exchange of best scientific ideas and practices at both sides. We expect our young minds to take these collaborative efforts further in the coming years.

Professor Govindan Rangarajan | Director, Indian Institute of Science, Bangalore

IISER Tirupati is happy to join with the University of Melbourne in nurturing young researchers in a scientifically rich, culturally diverse and sustainable environment through the MIPA (Joint-PhD) program. As the faculty, staff, and PhD candidates from both the institutions embark into this journey, I envision that their collaborative learning and research efforts will greatly contribute towards addressing the unmet global challenges.

Professor Santanu Bhattacharya | Director, Indian Institutes of Science Education and Research, Tirupati
Message from the Faculty Leads

It's been a great pleasure and privilege to serve as the Deputy Director of MIPA and Academic Lead for the Faculty of Science. MIPA is a unique program offering wonderful opportunities to University of Melbourne academics and Indian researchers to develop collaborations and joint supervision of excellent PhD candidates leading to high-impact research and innovation. At the Faculty of Science, we are keen to engage with high-quality research institutions in India and we strongly believe that MIPA will provide ongoing opportunities to attract high-quality joint PhD candidates. We look forward to continuing working with our Indian colleagues to enhance the collaborations and promote internationalisation of our research.

Dr Surinder Singh Chauhan
Deputy Director of MIPA
Academic Lead, Faculty of Science

Serving as the Academic Lead of Melbourne-India Postgraduate Academy from the Faculty of Medicine, Dentistry, and Health Sciences (FMDHS) has been an incredibly rewarding experience. MIPA offers an exceptional platform for University of Melbourne academics and researchers to engage with Indian counterparts and jointly supervise outstanding PhD students. Ever since its inception, MIPA has been instrumental in promoting collaborative and innovative research to address global challenges, facilitating the exchange of ideas and expertise, and nurturing a truly international community of next-generation researchers who are making a positive global impact. We are thrilled that the FMDHS has recently joined MIPA and recruited its first cohort of students. We are excited to be a part of this remarkable program and eagerly anticipate its continued growth and success.

Dr Debnath Ghosal
Academic Lead, Faculty of Medicine, Dentistry and Health Sciences
Elevating Research Excellence: The MIPA Way

The Melbourne-India Postgraduate Academy is a pioneering initiative jointly established by The University of Melbourne and premier Indian research institutions, including the Indian Institutes of Technology Madras (IITM), Kanpur (IITK), Kharagpur (IITKGP), Indian Institutes of Science Education and Research (IISER), Tirupati, and the Indian Institute of Science Bangalore (IISC). Focused on nurturing research collaboration and academic excellence, MIPA serves as a beacon of international collaboration between Australia and India.

Signing of MIPA MoU with IIT Kharagpur in April 2018

MIPA provides a unique opportunity for joint PhD candidates enrolled in both programs. These candidates benefit from an enriching international joint-training experience within an elite research community. Key highlights include:

- Exposure to diverse cultural and research environments.
- Guidance and mentorship from field experts.
- Access to cutting-edge facilities and equipment at two esteemed institutions.
- Establishment of robust international networks, promoting research exchange and facilitating high-quality publications.

In 2014, the University of Melbourne established a jointly supervised PhD program called Melbourne India Postgraduate Program (MIPP). This was superseded by the current jointly awarded program, the Melbourne India Postgraduate Academy (MIPA), from April 2018. Continuous investment is pivotal to uphold the excellence of MIPA and achieve its intended outcomes. In addition to supporting 32 MIPP candidates, the University of Melbourne has invested over AUD 10 million to fund 37 MIPA PhD living stipends, fee remission scholarships, and support for research exchange with our Indian partners and collaboration and bi-annual conferences. Simultaneously, our Indian partners have contributed significant resources and talent through their respective PhD scholarship, annual workshops, and research support programs.
The returns from these substantial investments continue to be highly favourable, including

- Attracting exceptional candidates to the University of Melbourne and Indian partner institutions and achieving a remarkable increase in both quantity and quality of research engagement between Melbourne & India.
- Development and sustenance of research collaborations among participating academics, leveraging complementary skills, world-class expertise, and state-of-the-art infrastructure.
- Establishment of a more competitive and impactful platform from which to address critical scientific questions and global challenges.

MIPA has served as a conduit for several long-term networks and collaborations between the University of Melbourne researchers and MIPA partners leading to new research projects and Industry engagement through several initiatives including SPARC (Scheme for Promotion of Academic and Research Collaboration), Projects funded by Government of India, Australia India Strategic Research Fund AISRF Grant, Global Initiative for Academic Network (GIAN) Fellowships for the University of Melbourne faculty, Visiting Advanced Joint Research Faculty Scheme (VAJRA) Fellowship.

MIPA stands as a testament to the unwavering commitment of The University of Melbourne and its Indian partner institutions to foster international research collaboration and cultivate the next generation of global researchers. This initiative not only empowers the joint PhD candidates but also propels academic supervisors towards addressing the most pressing scientific inquiries and global challenges of our time through shared expertise and resources.

IIT Kanpur delegation in Melbourne in March 2023

Indian Partner Institutions | MIPA Candidates Graduated | Current MIPA Researchers

5 | 7 | 30
MIPA Candidates

Within the realms of our collaborations with our MIPA partners, we have enrolled 37 exceptional joint PhD candidates since its inception in 2018. The program has proudly enrolled 26 emerging stars thriving in the Faculty of Engineering and Information Technology (FEIT) and an additional 10 in the Faculty of Science (FoS) including first cohort of 2 candidates from IISER Tirupati. In 2023, the Faculty of Medicine, Dentistry and Health Sciences (MDHS) also joined MIPA and enrolled their first joint candidate with IISC Bangalore.

The first MIPA candidate between University of Melbourne and IIT Kanpur, Dr. Salil Goel graduated in 2019 and is now working as Assistant Professor at IIT Kanpur. Salil is currently collaborating with his Melbourne counterparts and also jointly supervising his own cohort of MIPA candidates. Several other MIPA candidates (both graduated and current) have inspiring stories to tell (see page 14-15). The growing cohort of MIPA alumni is a significant resource for our current and future MIPA candidates to tap into for guidance, mentoring and networking.

This is a cohort that embodies India’s rich diversity, representing an impressive 15 states across the country, as eloquently showcased on the map below. While we take immense pride in this diversity, our commitment to growth and innovation remains unwavering. As MIPA continues to evolve, the University of Melbourne is steadfast in its mission to broaden the horizons of this exceptional cohort. We aspire to motivate more of our domestic PhD cohort to embrace the opportunity to engage with our esteemed Indian partners, enriching their academic journeys with unparalleled global knowledge exchange.

Hand in hand with our esteemed Indian collaborators, we share a vision that transcends borders. MIPA is a testament to our shared commitment to nurturing the next generation of researchers, innovators, and entrepreneurs in both India and Australia. Together, we are forging pathways to unparalleled research and training opportunities in both nations, ultimately shaping the future of academic collaboration and innovation. MIPA is not just an academic initiative; it’s a transformational journey that’s redefining the landscape of academic excellence, one visionary joint PhD candidate at a time.

MIPA cohort of joint PhD candidates brings in the diversity of India, representing an impressive 15 states of the country.
## MIPA Candidates and Academic Supervisors

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<tr>
<th>MIPA Graduate</th>
<th>The University of Melbourne</th>
<th>Partner Institution in India</th>
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<td>Salil Goel</td>
<td>FEIT</td>
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<td>Pooja Pandey</td>
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<td>Padma Naveena</td>
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<td>Shreshtha Kumar Gupta</td>
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<td>Shubham</td>
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<td>Dibbendu Roy</td>
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<td>Chesta</td>
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<td>Ashwani Kumar</td>
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<td>Mehdi Alam</td>
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<td>Subham Verma</td>
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<th>Research Candidate</th>
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32 candidates enrolled through Melbourne India Postgraduate Program (MIPP) and 7 MIPA candidates have now graduated and making significant contributions in academia, industry, and government organisations.
MIPA Candidates

Salil Goel
Unimelb and IIT Kanpur  
(Graduated: 2019)

Dibbendu Roy
Unimelb and IIT Kanpur  
(Graduated: 2022)

Joydip Mondal
Unimelb and IIT Kanpur  
(Graduated: 2022)

Pooja Pandey
Unimelb and IIT Kanpur  
(Graduated: 2022)

Ananth S. Malathi
Unimelb and IIT Madras  
(Graduated: 2023)

Padma N. Ganapam
Unimelb and IIT Madras  
(Graduated: 2023)

Pawan Kumar
Unimelb and IIT Kanpur  
(Graduated: 2023)

Abhisek Mondal
Unimelb and IIT Kanpur  
Commenced: Dec-2018

Mayank Bahsin
Unimelb and IIT Kanpur  
Commenced: Aug-2018

Shreshtha K. Gupta
Unimelb and IIT Kanpur  
Commenced: Aug-2018

Shubham
Unimelb and IIT Kanpur  
Commenced: Aug-2018

Chinglen M. Tensubam
Unimelb and IIT Kanpur  
Commenced: Feb-2019

Arunjunai R. S. Kumar
Unimelb and IIT Kanpur  
Commenced: Oct-2019

Snigdha S. Mohapatra
Unimelb and IIT Kanpur  
Commenced: Nov-2019

Ankit Bhadouriya
Unimelb and IIT Kanpur  
Commenced: Sep-2020

Soumendu Sarkar
Unimelb and IIT Kanpur  
Commenced: Mar-2020
MIPA Candidates

Sourav Ghosh  
Unimelb and IIT Kanpur  
Commenced: Jul-2020

Subhajit Chakraborty  
Unimelb and IIT Kanpur  
Commenced: Jun-2020

Anirban Ghosh  
Unimelb and IIT Kharagpur  
Commenced: Feb-2021

Asif Ahmed Sardar  
Unimelb and IIT Kharagpur  
Commenced: Jan-2021

Chesta  
Unimelb and IISc  
Commenced: Nov-2021

Joydeep Baral  
Unimelb and IIT Kharagpur  
Commenced: May-2021

Aditya  
Unimelb and IIT Kanpur  
Commenced: Mar-2022

Ashwani Kumar  
Unimelb and IIT Kanpur  
Commenced: Apr-2022

K. Abhishek Singh  
Unimelb and IIT Kharagpur  
Commenced: Jan-2022

Mehdi Alam  
Unimelb and IIT Kanpur  
Commenced: Feb-2022

Sri Priyanka  
Unimelb and IIT Kanpur  
Commenced: Mar-2022

Zain Torres  
Unimelb and IIT Madras  
Commenced: Jul-2022

Ayyappan Murugesan  
Unimelb and IIT Kharagpur

K Sai Keeratana  
Unimelb and IISER Tirupati

Pradeep Ramesh  
Unimelb and IIT Kharagpur

Shilpa Koyyan  
Unimelb and IISc Bangalore
MIPA Alumni Sharing Their Experiences

Dibbendu Roy  
MIPA Graduate (2022)

I am wrapping up my Postdoc Research at KTH Royal Institute of Technology, Stockholm Sweden to join IIT Indore from Nov-2023 as Assistant Professor.

MIPA has been the cornerstone of my academic and research journey, offering a deeply fulfilling experience. Guided by esteemed experts in their respective fields, I flourished, pioneering cutting-edge research. Collaborations with industry partners provided invaluable insights into future directions. Special thanks go to the program coordinators for their unwavering support during challenging times. Post-PhD, I secured competitive roles as a Postdoc researcher and faculty member, a testament to the profound impact MIPA had in shaping my academic and professional trajectory.

Pooja Pandey  
MIPA Graduate (2022)

Graduating in December 2022, I embarked on this academic adventure, harnessing the knowledge and expertise from two distinguished institutions – University of Melbourne and IIT Kharagpur, India. The know-how and hands-on skills acquired during my PhD has helped me getting my dream job at Phaslo Global, Brisbane, where I am at the forefront of formulating a Phase Change Formula (PCF) that is fully recyclable and food-safe, hence presents as a superior alternative to dry ice and polystyrene.

My MIPA experience at the University of Melbourne has been a remarkable journey of growth, innovation, and impact. The program's commitment to fostering scientific innovation and creativity, resilience, and teamwork has propelled me to new heights in my quest to revolutionize the world of food engineering and safety.

Joydip Mondal  
MIPA Graduate (2022)

I am currently doing my postdoc assignment with CSIRO, Melbourne, working in the field of multiphase flow relevant to the biomedical and energy sectors. in Melbourne.

MIPA signifies the unique collaboration that brings together the academic excellence of both institutions, creating a dynamic platform for cross-continental research and innovation. MIPA offered me the extraordinary opportunity to draw from the combined strengths of two esteemed universities, fostering a global perspective and facilitating groundbreaking research. It also provided me an initial platform to interact and network with professionals from diverse fields. This greatly helped to shape my career goals in Australia.

The unique collaboration between the University of Melbourne and Indian partner institutions brings together the academic excellence of both institutions, creating a dynamic platform for cross-continental research and innovation.
Current MIPA Candidates Sharing Experiences

Kunwar Abhishek Singh | PhD Candidate, MIPA

My journey as a MIPA candidate has been nothing short of extraordinary. Being part of this joint Ph.D. program, bridging the excellence of IIT Kharagpur and the University of Melbourne, has been a profound educational adventure. The program has seamlessly connected me with renowned mentors, granting invaluable insights and access to world-class resources from both institutions. As I navigate this unique academic odyssey, I am confident that MIPA is equipping me with the tools to not only achieve scholarly success but also to evolve into a well-rounded individual.

Kunwar Abhishek Singh | PhD Candidate, MIPA

I embarked on my research journey in 2019 in the Department of Biotechnology at IIT Kharagpur, under the MIPA program. This joint PhD program has significantly enhanced and enriched my doctoral experience, offering me the unique opportunity to conduct my research at two prestigious institutions. By merging the expertise and resources of both institutions, I gained access to a wide array of academic perspectives and state-of-the-art research facilities. The program has broadened my perspective on a global scale, allowing me to engage with diverse research environments and academic communities. This has proven to be exceptionally beneficial in shaping my academic and research journey. My experience with the MIPA program has been immensely valuable, providing me with a multifaceted and globally oriented doctoral education.

Sri Priyanka | PhD Candidate, MIPA

I am deeply grateful to MIPA for this exceptional opportunity, which has been an enriching and transformative experience. The collaboration between The University of Melbourne and the Indian Institute of Technology Kanpur has broadened my horizons and provided access to world-class research opportunities. The cultural exchange and networking have enriched my academic experience, and the knowledge and connections gained will shape my future contributions to my field and society.

Joydeep Baral | PhD Candidate, MIPA

The unique collaboration between these two prestigious institutions has allowed me to tap into a diverse pool of knowledge and expertise. Studying under the guidance of professors from the University of Melbourne has been a transformative experience. Their insights and research acumen have broadened my horizons and provided me with a global perspective on my field of study.

Melbourne, with its vibrant culture and thriving research community, fosters innovation and collaboration, making every day of my research journey truly enjoyable. MIPA program has been an awesome experience that has expanded my knowledge, enhanced my research skills, and exposed me to the best of both Indian and Australian academic worlds.

Anirban Ghosh | PhD Candidate, MIPA

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MIPA Academic Supervisors’ Experiences

Professor Andrew Western
Head of Infrastructure Engineering, University of Melbourne

“I previously supervised Dr Chinchu Mohan with Prof Madan Jha at IIT Kharagpur and am now at the beginning of the road with two new joint PhD candidates from IISc. I’ve also chaired PhD advisory panels in the program. MIPA has been a fantastic opportunity to develop collaborative relationships and, also for me to learn more about India and the commonalities and differences in water issues between Australia and India. I feel it has also provided a great opportunity for the graduate researchers to develop a broader understanding.”

A/Prof Annapurna Devi Allu
Biology, Indian Institute of Science Education and Research (IISER), Tirupati

“I am thrilled that the MIPA program with IISER Tirupati has successfully commenced with two joint PhD candidates this year. This program provides an unparalleled opportunity to train young researchers in a scientifically dynamic and stimulating environment, while also significantly strengthening research collaborations. I and Dr Alex Johnson jointly supervise a graduate researcher who will work towards unravelling the mechanisms underlying plant response to the combination of drought and heat stress. We envisage that the outcomes of this research will lay the foundation towards developing climate-smart crops for food security.”

Professor Sujatha Sreenivasan
Department of Mechanical Engineering, Indian Institute of Technology Madras

“The MIPA program has been a great way to collaborate with the University of Melbourne, and Prof. Marcus Pandy. Over the course of guiding our PhD student, Dr. G. Padma Naveena (who graduated this year), Marcus and I have had the opportunity to make mutual visits - Marcus through the Indian government’s GIAN and VAJRA programs, and myself through Unimelb’s MSE Visiting Fellowship. These visits have further helped us expand our interactions and activities with other faculty. The joint PhD was a great experience for Naveena as well. I look forward to expanded associations with Unimelb, especially through the MIPA program.”
MIPA Academic Supervisors’ Experiences

MIPA has helped me to attract one PhD candidate from IIT Kanpur and lead the proposals on Australia-India joint calls along with academics from multiple IITs. In addition, MIPA helped me to establish a strong academic partnership with IITs and IISc colleagues in generating research outputs.

A/Prof Jagannath Aryal  
Department of Infrastructure Engineering, University of Melbourne

MIPA has allowed me to reach out and expand my research profile, bring Chesta into my group.” Chesta works on photo-rechargeable batteries, which is an excellent complement to my core research in organic solar cells. Chesta is halfway through her stay in my research group and is an excellent addition. I am looking forward to expanding our collaboration with IISc Bangalore.

A/Prof David Jones  
School of Chemistry, University of Melbourne

We have been largely involved in delineating the impact of protein segments with compositional bias on the physiology of individual species such as yeast and humans. The MIPA program has provided us with an opportunity to expand our horizons and investigate the role of such protein segments in inter-species interactions, specifically fungal pathogenesis in humans. MIPA has facilitated joint supervision of a graduate researcher by me and Dr. Alexander Idnurm, University of Melbourne, opening new avenues to understand and tackle deadly fungal diseases.

A/Prof Sreenivas Chavali  
Biology, Indian Institute of Science Education and Research (IISER), Tirupati

MIPA has created great opportunities to work with some of the brightest minds from the partner institutions of India. I am privileged to work with three MIPA PhD candidates who brought talents and energy to Melbourne. As a member of strong international collaborative team, they tackle three exciting challenges in achieving sustainable water use and management using innovative remote sensing techniques at global coverage.

Professor Dongryeol Ryu  
Department of Infrastructure Engineering, University of Melbourne

The MIPA program stands as a beacon of collaboration between two academic powerhouses, fostering the exchange of knowledge and innovation. Working with Indian talents and premier research organizations has enriched our research landscape, paving the way for transformative breakthroughs.
MIPA Activities

Since commencement, MIPA has been actively collaborating with partner Indian institutions and producing high quality research. MIPA has signed new MoUs with IISc and IISERT during pandemic, organised various workshops – in person as well as online, and hosted delegates from partner institutes. Through MIPA conferences, MIPA has provided a platform for research collaborations without boundaries.
MIPA Activities

IIT Kanpur delegation in Melbourne, March 2023
MIPA Activities

Professor Sujatha Sreenivasan from IIT Madras, Professor Arghaya Das from IIT Kanpur and Professor Bharat Lohani from IIT Kanpur visiting University of Melbourne in 2023

University of Melbourne delegation visit to IIT Kanpur in 2022
MIPA Activities

University of Melbourne delegation visit to IIT Kharagpur in September 2022

Visit to IISER Tirupati in September 2022  Visit to IIT Madras in September 2022

University of Melbourne delegation visit to IISC Bangalore in September 2022
MIPA Activities

Research engagement at IISc: Faculty of Medicine, Dentistry and Health Sciences (The University of Melbourne) delegation visit to IISc in September 2022

MIPA team is enjoying local cuisine during their visit to IIT Madras in September 2022

MIPA team with the University of Melbourne delegation visit to IIT Delhi in 2022
MIPA OUTREACH

Indian Institute of Technology Alumni, Victoria (IITaV)

Indian Institute of Technology Alumni, Victoria (IITaV) is a professional organisation established in October 2010 to provide a common platform for community of alumni of Indian Institutes of Technology based in Victoria (IITaV), Australia. The University of Melbourne is a Gold Sponsor for IITaV, as this collaboration provides MIPA graduate researchers with a platform to interact and network with IIT alumni in Victoria who are making significant contributions to the Australian economy through their work in academic, industrial and government sectors in science and technology domains. IITaV provides support to our graduate researchers through organising annual Professional Development events, mentoring opportunities and range of social events.

I2G

I2G (Indian Institutes Graduates) is a social and professional group that serves as a networking platform for research scholars with Indian heritage at the University of Melbourne. With a mission to foster a strong sense of community and to promote cohesive bonding among Indian students, I2G hosts a variety of cultural and professional events throughout the year that facilitates regular interaction among our members. These events also provide opportunities for academic and professional development, contributing to the long-term success of our members.
Past MIPA Conferences

MIPA Conference is held in Melbourne every two years to provide all MIPA candidates an opportunity to present their joint research to peers and broader academy. The conference also brings the Indian supervisors from partner institutions to Melbourne for further networking and research exchange with the Melbourne academics, meeting new colleagues, visiting facilities and delivering seminars in respective departments. The MIPA conferences have been very well supported by University of Melbourne leadership, Melbourne Consul office and members of IITaV. The 2022 conference was held fully online due to COVID-19 lockdowns.
MIPA Conference 2023

The fourth MIPA Conference (MIPAC-23) is scheduled to be held during 16-17 November 2023 in Melbourne, with a pre-conference academic workshop on 15 November.

MIPAC-23 will be held at the University of Melbourne’s new purpose-built precinct for innovation and digital transformation, Melbourne Connect. The two-day conference will provide an excellent platform for graduate researchers to expand their academic networks and share research with the community from the University of Melbourne and the collaborating Indian Institutes of Technology: Kharagpur (IIT-KGP), Kanpur (IIT-K), Madras (IIT-M), the Indian Institute of Science, Bangalore (IISc) and the Indian Institute of Education and Research Tirupati (IISERT). This diverse program offers an enriching environment for the exchange of ideas and multi-disciplinary collaborations. We look forward to seeing you all in Melbourne in November.

Due to the joint nature of MIPA, we have joint PhD candidates at various Indian partner institutions at any given time, therefore the conference will be organised in a hybrid mode, with delegates attending in-person at the University of Melbourne and some candidates and academics via online platforms from India.

Organising Committee

From the top (left to right): [MIPA candidates] Aditya, Anirban Ghosh, Asif Ahmed Sardar, Chesta, Kunwar Abhishek Singh, Mehdi Alam, Sri Priyanka, Subhajit Chakraborty; [Advisory] Dr Meenakshi Arora, Dr Surinder Singh Chauhan, Dr Debnath Ghoshal; [Supported by] Dr Krishna Chandra Somaletha, Daniella Reichert, and Dr Mukesh Soni; [Not in picture] Rebecca Whitsed, Maria Han and Bridget Nelthropp
Graduate researcher **Kunwar Abhishek Singh** won the best Paper Award in the VII ISEES International Conference on "Sustainable Energy and Environmental Challenges (SEEC- 2022)."

MIPA Director, **Dr Meenakshi Arora** got featured on the cover page of ‘Women Entrepreneur India’ magazine in their special issue on ‘**Top 10 Indian Women Leaders from Australia 2023**.’

MIPA was awarded the Australia India Impact Award by the India Australia Business and Community Alliance (2022) for its impact on fostering scientific collaborations between India and Australia.

Nisha Mehta, a MIPA graduate received the Quantum Systems in Chemistry, Physics and Biology (QSCPB) Promising Scientist Prize of Centre de Mécanique Ondulatoire Appliquée (CMOA) in 2023.
Publications from MIPA Candidates 2019-2023


Our Partners

**Indian Institute of Technology Kharagpur (IITKgp)**
IIT Kharagpur is the first Indian Institute of Technology established in India. It was established in 1951 in Kharagpur, in the eastern part of India. IIT Kharagpur has 19 academic departments, 8 multidisciplinary centres/schools, 13 schools of excellence and central research facilities. IITKgp is perhaps the largest and the most diversified among the IITs.

**Indian Institute of Technology Kanpur (IITK)**
IIT-Kanpur was established as the fourth IIT in India in 1959. It is located 15 km west of Kanpur City in North India and occupies a land close to 420 hectares. It has about 350 faculty members and about 6400 (50% undergraduate and postgraduate each) students. Most research areas in Engineering and Science are represented at IITK. It is known for its research in Engineering and Science.

**Indian Institute of Technology Madras (IITM)**
IIT-M was formally inaugurated in 1959 in Chennai with the assistance of German Government as the 3rd IIT in India. It is a residential institute with nearly 550 academic staff, 8000 students and 1250 administrative and supporting staff and is a self-contained campus located in a land of about 250 hectares. The Institute has sixteen academic departments and some advanced research centres in various disciplines of engineering and pure sciences, with nearly 100 laboratories. It has strong relationships with industry and its staff and students are of very high quality.

**Indian Institute of Science Bangalore (IISc)**
Indian Institute of Science is the top ranked research institution in India. It was conceived as a ‘Research Institute’ or ‘University of Research’ by Jamsetji Nusserwanji Tata in the final years of the 19th century and was established in May 1909. The Institute offers a variety of Master's degree programs in Engineering, an integrated Ph.D. (post-B.Sc.) program in Sciences, and Ph.D. programs in a wide spectrum of disciplines in science and engineering. The research laboratories at the Institute are extremely well equipped and the library and computational facilities at the Institute are amongst the best in India.

**Indian Institute of Science Education and Research (IISER), Tirupati**
The IISERs represent a unique initiative in India where teaching and education are integrated with state-of-the-art research, nurturing both curiosity and creativity in an intellectually vibrant atmosphere of research. Indian Institute of Science Education and Research, Tirupati commonly referred as IISER Tirupati, is an autonomous public university in Tirupati, Andhra Pradesh, India.