

December 10, 2020

## Current Researcher Connections between the University of Alberta and the Indian Institute of Technology Kharagpur

*This document provides a list of researchers at the [University of Alberta \(UAlberta\)](#) or the [Indian Institute of Technology Kharagpur \(IIT KGP\)](#) with known connections to the other institution. Unless noted otherwise, all researchers listed in this document are currently employed at either UAlberta or IIT KGP based on publicly available information from both institutions' websites as of December 10, 2020. Some historical connections have been omitted from the document due to the collaborators having since changed employers or retired. Please note that the following is not an exhaustive list; additional unknown connections may exist beyond what is listed below.*

### 1. Joint Research Publications

*Source: Clarivate Analytics InCites Dataset + ESCI; Time Period: 2010-2020; Schema: Web of Science; Authors per Document: 1-12*

Between 2010 and 2020, there have been 52 joint research publications co-authored between researchers at UAlberta and IIT KGP. Among the co-authors for those publications, 23 are currently employed at IIT KGP and 20 are currently employed at UAlberta.

#### Top Research Areas (3+ Joint Publications)

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Research Area	Joint Publications
PHYSICS, FLUIDS & PLASMAS	8
ENGINEERING, CHEMICAL	7
OPERATIONS RESEARCH & MANAGEMENT SCIENCE	6
PHYSICS, MATHEMATICAL	6
AUTOMATION & CONTROL SYSTEMS	5
ENGINEERING, ELECTRICAL & ELECTRONIC	5
BIOCHEMISTRY & MOLECULAR BIOLOGY	4
ENGINEERING, INDUSTRIAL	4
ENGINEERING, MANUFACTURING	4
BIOPHYSICS	3
CHEMISTRY, PHYSICAL	3
COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	3
ENERGY & FUELS	3
OPTICS	3

*Note: Some publications may be attributed to more than one research area and therefore the above numbers do not represent a unique count of total publications. A full list of publications including co-authors and research areas is available upon request.*

## List of researchers at IIT KGP who have co-authored joint publications with UAlberta

Name	Title	Department	Joint Publications
<a href="#">Chakraborty, Suman</a>	Professor	Mechanical Engg.	9
<a href="#">Tiwari, Manoj K.</a>	Professor	Industrial & Systems Engg.	8
<a href="#">De, Sirshendu</a>	Professor	Chemical Engg.	7
<a href="#">Khare, Swanand</a>	Assistant Professor	Mathematics	5
<a href="#">Das, Amit Kumar</a>	Professor	Biotechnology	3
<a href="#">Pendharker, Sarang</a>	Assistant Professor	Electronics & Electrical Communication Engg.	3
<a href="#">Basak, Amit</a>	Professor	Chemistry	2
<a href="#">Basu, Jayanta Kumar</a>	Professor	Chemical Engg.	2
<a href="#">Bandopadhyay, Aditya</a>	Assistant Professor	Mechanical Engg.	1
<a href="#">Bhattacharyya, Souvik</a>	Professor	Mechanical Engg.	1
<a href="#">Chaturvedi, Sanjay Kumar</a>	Associate Professor	School of Quality & Reliability	1
<a href="#">Das, Debabrata</a>	Professor	Biotechnology	1
<a href="#">Das, Prabir Kumar</a>	Professor	Electronics & Electrical Communication Engg.	1
<a href="#">Ghosh, Ananta Kumar</a>	Professor	Biotechnology	1
<a href="#">Ghosh, S.</a>	Assistant Professor	Aerospace Engg.	1
<a href="#">Jana, Amiya K.</a>	Associate Professor	Chemical Engg.	1
<a href="#">Kumar, Krishna</a>	Professor	Physics	1
<a href="#">Mahanty, Biswajit</a>	Professor	Industrial & Systems Engineering	1
<a href="#">Maiti, Mrinal Kumar</a>	Professor	Biotechnology	1
<a href="#">Mondal, Sourav</a>	Assistant Professor	Chemical Engg.	1
<a href="#">Patel, Shantanu</a>	Assistant Professor	Mining Engg.	1
<a href="#">Srivastav, Prem Prakash</a>	Associate Professor	Agricultural & Food Engg.	1
<a href="#">Verma, Shubham</a>	Associate Professor	Civil Engg.	1

## List of researchers at UAlberta who have co-authored joint publications with IIT KGP

Name	Title	Department	Joint Publications
<a href="#">Huang, Biao</a>	Professor	Chemical & Materials Engg.	8
<a href="#">Kumar, Amit</a>	Professor	Mechanical Engg.	4
<a href="#">Zuo, Ming</a>	Professor	Mechanical Engg.	3
<a href="#">Forbes, Fraser</a>	Dean & Professor	Faculty of Engineering	2
<a href="#">Chen, Lingyun</a>	Professor	Agri, Food & Nutritional Sci.	1
<a href="#">Syamaladevi, Roopesh</a>	Assistant Professor	Agri, Food & Nutritional Sci.	1
<a href="#">Ullah, Aman</a>	Associate Professor	Agri, Food & Nutritional Sci.	1
<a href="#">Wolodko, John</a>	Associate Professor	Agri, Food & Nutritional Sci.	1
<a href="#">Li, Zukui</a>	Associate Professor	Chemical & Materials Engg.	1
<a href="#">Nazemifard, Neda</a>	Associate Professor	Chemical & Materials Engg.	1
<a href="#">Prasad, Vinay</a>	Professor	Chemical & Materials Engg.	1
<a href="#">Raveendran, Rahul</a>	Postdoctoral Fellow	Chemical & Materials Engg.	1
<a href="#">Martin, Derek</a>	Professor	Civil & Environmental Engg.	1

<a href="#">Amaral, J Nelson</a>	Professor	Computing Science	1
<a href="#">Stachel, Thomas</a>	Professor	Earth & Atmospheric Sci.	1
<a href="#">Sadrzadeh, Mohtada</a>	Associate Professor	Mechanical Engg.	1
<a href="#">Houghton, Michael</a>	Professor	Medical Microbiology & Immunology	1
<a href="#">Barakat, Khaled</a>	Assistant Professor	Pharmacy & Pharmaceutical Sci.	1
<a href="#">Doschak, Michael</a>	Professor	Pharmacy & Pharmaceutical Sci.	1
<a href="#">Fernandez, Rodrigo</a>	Assistant Professor	Physics	1

## 2. Visiting Scholars

### Research Interns

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Since 2010, 130 undergraduate students from IIT KGP have undertaken research internships at UAlberta through the University of Alberta Research Experience program, Mitacs Globalink Research Internship program, and IC-IMPACTS.

#### List of UAlberta supervisors of IIT KGP research interns

<b>Name</b>	<b>Title</b>	<b>Department</b>
<a href="#">Ben Willing</a>	Associate Professor	Agri, Food & Nutritional Sciences
<a href="#">Lynn McMullen</a>	Professor	Agri, Food & Nutritional Sciences
<a href="#">Marleny Saldana</a>	Professor	Agri, Food & Nutritional Sciences
<a href="#">Michael Gaenzle</a>	Professor	Agri, Food & Nutritional Sciences
<a href="#">Nat Kav</a>	Professor	Agri, Food & Nutritional Sciences
<a href="#">Roopesh Syamaladevi</a>	Assistant Professor	Agri, Food & Nutritional Sciences
<a href="#">Thava Vasanthan</a>	Professor	Agri, Food & Nutritional Sciences
<a href="#">Tom Hobman</a>	Professor	Biological Sciences
<a href="#">Tracy Raivio</a>	Professor	Biological Sciences
<a href="#">Alan Wilman</a>	Professor	Biomedical Engineering
<a href="#">Ahmed Bouferguene</a>	Professor	Campus Saint-Jean
<a href="#">Hyun-Joong Chung</a>	Associate Professor	Chemical & Materials Engineering
<a href="#">Patricio Mendez</a>	Professor	Chemical & Materials Engineering
<a href="#">Stevan Dubljevic</a>	Assistant Professor	Chemical & Materials Engineering
<a href="#">Vinay Prasad</a>	Professor	Chemical & Materials Engineering
<a href="#">Zukui Li</a>	Associate Professor	Chemical & Materials Engineering
<a href="#">Vladimir Michaelis</a>	Associate Professor	Chemistry
<a href="#">Michael Serpe</a>	Professor	Chemistry
<a href="#">Mohamed Al-Hussein</a>	Professor	Civil and Environmental Engineering
<a href="#">Eleni Stroulia</a>	Professor	Computing Science
<a href="#">Ioanis Nikolaidis</a>	Professor	Computing Science
<a href="#">J Nelson Amaral</a>	Professor	Computing Science
<a href="#">Nilanjan Ray</a>	Professor	Computing Science
<a href="#">Russ Greiner</a>	Professor	Computing Science
<a href="#">Paul Myers</a>	Professor	Earth and Atmospheric Sciences
<a href="#">Ashwin Iyer</a>	Associate Professor	Electrical and Computer Engineering
<a href="#">Jie Chen</a>	Professor	Electrical and Computer Engineering
<a href="#">Karthik Shankar</a>	Professor	Electrical and Computer Engineering
<a href="#">Mrinal Mandal</a>	Professor	Electrical and Computer Engineering
<a href="#">Venkata Dinavahi</a>	Professor	Electrical and Computer Engineering

<a href="#">Yasser Mohamed</a>	Professor	Electrical and Computer Engineering
<a href="#">Benjamin Tucker</a>	Professor	Linguistics
<a href="#">Ahmed Qureshi</a>	Assistant Professor	Mechanical Engineering
<a href="#">Amit Kumar</a>	Professor	Mechanical Engineering
<a href="#">Brian Fleck</a>	Professor	Mechanical Engineering
<a href="#">Carlos Lange</a>	Associate Professor	Mechanical Engineering
<a href="#">Marc Secanell</a>	Professor	Mechanical Engineering
<a href="#">Morris Flynn</a>	Associate Professor	Mechanical Engineering
<a href="#">Pierre Mertiny</a>	Professor	Mechanical Engineering
<a href="#">Prashant Waghmare</a>	Associate Professor	Mechanical Engineering
<a href="#">Rafiq Ahmad</a>	Assistant Professor	Mechanical Engineering
<a href="#">Alvaro Osornio Vargas</a>	Professor	Pediatrics
<a href="#">Khaled Barakat</a>	Assistant Professor	Pharmacy and Pharmaceutical Sci.
<a href="#">Bruce Sutherland</a>	Professor	Physics
<a href="#">Craig Heinke</a>	Professor	Physics
<a href="#">Rodrigo Fernandez</a>	Assistant Professor	Physics
<a href="#">Jacob Jaremko</a>	Assistant Professor	Radiology and Diagnostic Imaging
<a href="#">Lawrence Le</a>	Clinical Professor	Radiology and Diagnostic Imaging
<a href="#">Guillermo Hernandez Ramirez</a>	Associate Professor	Renewable Resources
<a href="#">Varghese Manaloor</a>	Associate Professor	Social Sciences

### Science & Engineering Research Board (SERB) Overseas Visiting Doctoral Fellowship (OVDF)

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1 application from an IIT KGP doctoral student was submitted for the 2019 SERB OVDF Call for Applications, which was successful.

- The host supervisor at UAlberta for the successful applicant is [Dr. Ravin Narain](#), Professor in the Dept. of Chemical and Materials Engineering; their home supervisor at IIT KGP is [Dr. Nikhil Kumar Singha](#), Professor in the Rubber Technology Centre.

2 applications from IIT KGP doctoral students were submitted for the 2018 SERB OVDF Call for Applications, of which 1 was successful.

- The host supervisor at UAlberta for the successful applicant was [Dr. Bipro Dhar](#), Associate Professor in the Department of Civil & Environmental Engineering; their home supervisor at IIT KGP is [Dr. Manoj Kumar Tiwari](#), Professor in the Department of Industrial & Systems Engineering.
- The proposed host supervisor at UAlberta for the unsuccessful applicant was [Dr. Lingyun Chen](#), Professor in the Department of Agricultural, Food & Nutritional Science; their home supervisor at IIT KGP is [Dr. Proshanta Guha](#), Associate Professor in the Department of Agricultural and Food Engineering.

### Shastri Indo-Canadian Institute (SICI) Shastri Research Student Fellowship

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[Dr. M.S. Roopesh](#), Assistant Professor in the Department of Agricultural, Food & Nutritional Sciences at UAlberta supervised a visiting doctoral student from IITKGP, under the SICI Shastri Research Student Fellowship in 2018-19.

[Dr. Sourav Mondal](#), Assistant Professor in the Dept. of Chemical Engineering at IIT KGP, was a SICI Research Student Fellow in the Dept. of Mechanical Engineering at UAlberta from 2012-2013.

## Visiting Professors / Postdoctoral Fellows

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[Dr. Ashish Kumar Nath](#), Visiting Professor in the Dept. of Mechanical Engineering at IIT KGP, was a postdoctoral research fellow in UAlberta's Dept. of Electrical Engineering from 1982-1984.

[Dr. Aditya Bandopadhyay](#), Assistant Professor in the Dept. of Mechanical Engineering at IIT KGP, was a MITACS Globalink scholar at UAlberta in 2011.

[Dr. A K Jana](#), Associate Professor in the Dept. of Chemical Engineering at IIT KGP, was a Visiting Professor in UAlberta's Dept. of Chemical Engineering in 2013.

[Dr. Amar Nath Gupta](#), Assistant Professors in the Depart. of Physics at IIT KGP, was a postdoctoral fellow and research associate in the Dept. of Physics at UAlberta from 2009-2013.

[Dr. Anjali Pal](#), Professor in the Dept. of Civil Engineering at IIT KGP, was a visiting scientist at UAlberta in the summer of 2012.

[Dr. Arnab Atta](#), Associate Professor in the Dept. of Chemical Engineering at IIT KGP, was a postdoctoral fellow in UAlberta's Dept. of Mechanical Engineering from 2010-2012.

[Dr. Mrinal Kaushik](#), Associate Professor in the Dept. of Aerospace Engineering at IIT KGP, was a postdoctoral fellow in the Dept. of Mechanical Engineering at UAlberta from 2003-2004.

[Dr. Sarang Pendharker](#), Assistant Professor in the Dept. of Electronics and Electrical Communication Engineering at IITKGP, was a postdoctoral fellow in UAlberta' Dept. of Electrical and Computer Engineering from 2015-2017.

[Dr. Siddhartha Das](#), Professor in the Dept. of Metallurgical and Materials Engineering at IIT KGP, was a postdoctoral fellow in UAlberta's Dept. of Mechanical Engineering in 2012.

[Dr. Sudip Nag](#), Assistant Professor in the Dept. of Electronics and Electrical Communication Engineering at IIT KGP was a Visiting Professor at UAlberta in 2018, during which time he collaborated with Dr. Thomas Thundat, (former) Professor in the Dept. of Chemical and Materials Engineering at UAlberta on a Shastri Indo-Canadian Institute Faculty Training and Internationalization Program (2017-18).

## Guest Lecturers

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[Dr. Archana Patnaik](#), Assistant Professor in the Dept. of Humanities and Social Sciences at IIT KGP, presented papers at the 15th Biennial Global Conference International Association for the Study of the Commons organized by UAlberta's Faculties of Agricultural, Life & Environmental Sciences, and Native Studies in May 2015.

## 3. Alumni

### IIT Kharagpur Alumni at UAlberta

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[Dr. Alope Kumar](#), Adjunct Professor in the Dept. of Mechanical Engineering, received his BTech in Manufacturing Science and Engineering and MTech in Industrial Engineering from IIT KGP in 2005.

[Dr. Amit Kumar](#), Professor in the Dept. of Mechanical Engineering, received his BTech (Hons) in Energy Engineering from IIT KGP in 1997.

[Dr. Rajender Gupta](#), Professor in the Dept. of Chemical and Materials Engineering, received his BTech (Hons) in Chemical Engineering from IITKGP in 1972.

[Dr. Roopesh Syamaladevi](#), Assistant Professor in the Dept. of Agricultural Food and Nutritional Science, received his MTech in Post Harvest Engineering from IIT KGP in 2006.

[Dr. Sanjay Banerjee](#), Assistant Professor in the Dept. of Accounting, Operations, and Information Systems, received his BTech in Aerospace Engineering from IIT KGP.

[Dr. Vikas Mehrotra](#), Professor in the Dept. of Finance & Statistical Analysis, received his BTech in Chemical Engineering from IIT KGP in 1985.

### **UAlberta Alumni at IIT Kharagpur**

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There is no data available on UAlberta alumni currently employed at IIT Kharagpur.