

Listing of RBI Ph.D. Fellow Students

Name	School	Project	Advisors
William J Berkey	CHEM	Unprotected Carbohydrate Derived Furans for the Synthesis of Value-Added Chemicals	Stefan France, Chris Jones
Danae A Chipoco Haro	MSE	Electrochemical Base-Catalyzed Depolymerization of Lignin	Marta Hatzell, Faisal Alamgir
Woosung Choi	MSE	Recyclable, Degradable Random Copolymer with Barrier Properties for Next-Generation Packaging	Zhiqun Lin, Sankar Nair, Mohan Srinivasarao
Caria Evans	CHEM	Development of Aminoethyl o-Nitrophenyl Dimers as Photocleavable Linkers for Recycling of Paper Towels	Stefan France, Chris Jones
Yacine Feliachi	CHBE	Membrane Separation for Crude Tall Oil and Crude Sulfate Turpentine	Ryan Lively, M.G. Finn
Elyssa Ferguson	ME	Sustainably Sourced Natural Fibers for Thermal Insulation in Buildings	Akanksha K. Menon
Qiang Fu	CHBE	Separation of Complex Multicomponent Organic Mixtures: Addressing a Critical Gap in Biorefining and Chemical Recovery from Pulping Processes	Sankar Nair, Scott Siquefield
Tanner J Hickman	CHBE	Design of polysaccharide-based materials systems for applications in high humidity	Carson Meredith, Natalie Stingelin
Elnaz Jamshidi	MSE	Carbon-Negative Building Materials based on Engineered Wood for Structural and Thermal Insulation Applications project	Asha Menon, Joe Bozeman, Kyriaki Kalaitzidou
Hsiang-Ju (James) Kai	CHBE	Unraveling the physical chemistry of polyolefin-cellulose interfaces	Natalie Stingelin
Dogukan T Karahan	ME	Dynamics of Fiber Motion in Complex Flows	Cyrus Aidun, Devesh Ranjan
Jinhyeun Kim	CHBE	Development of Physics-informed Machine Learning Framework with Gaussian Process Regression & its Application to Paper Production Systems	Fani Boukouvala, Kamran Paynabar, Chris Luetzgen
Jungin E Kim	ME	Biodegradable Polymer Design with Quantum Optimization	Yan Wang, Karl Jacob
Akanksha Lakra	CHBE	Advances in refining for better product quality at lower energy consumption in MP forming	Julene Tong, Cyrus Aidun, Chris Luetzgen
Geng-Sheng Lin	CHBE	Cellulose-based triboelectric membrane sensor for heavy metal removal and detection	Julene Tong, George Lan



Listing of RBI Ph.D. Fellow Students

Name	School	Project	Advisors
Opeyemi A Ojelade	CHBE	Catalytic Processing of Enriched Hydroxy Acids from Kraft Black Liquor	Sankar Nair, Chris Jones
Jimin Park	CHBE	Renewable Synthesis of Paracetamol from Lignin-derived Phenol.	Andreas Bommarius, Carsten Sievers, Marta Hatzell
Kim Anh Pham	ME	The Effect of Slot Die Coated CNC on Glass Fiber Fabric Reinforced Composites	Kyriaki Kalaitzidou, Karl Jacob, Tequila Harris
Erin V Phillips	CHEM	Mechanocatalytic Depolymerization of Lignin and Lignin Model Compounds	Carsten Sievers, Marta Hatzell
Arjun Thangaraj Ramshankar	CEE	Sustainably sourced natural fibers for Thermal Insulation in Buildings – A holistic life cycle perspective	Akanksha K. Menon, Joe Bozeman, Kyriaki Kalaitzidou
Michael Rettstatt	CHBE	Mechanism of Aqueous Phase Reforming of Organics over Bimetallic Catalysts	Carsten Sievers, Sankar Nair
Javaz Rolle	CHBE	Adhesion and durability effects on bio-based barrier coatings	Carson Meredith, Natalie Stingelin
Fariha Rubaiya	MSE	Understanding Electromechanical Coupling in Cellulose for Single Component Auxetic-Piezoelectric Energy Harvesters	Meisha Shofner, Lauren Garten
Lilly Schroer	MSE	Engineering Damage-Tolerant Packing Materials by Controlling Steady-State Damage Accumulation in Fiber Networks	Chris Muhlstein
Talia Thomas	ME	Functionalized Cellulose Matrices for Battery Applications	Matthew McDowell
Quyen (Peter) Tran	CHBE	Separations and Process Engineering for Aqueous Phase Reforming of Hydroxy Acids	Natalie Stingelin, Thomas Gartner
Preksha Vichare	MSE	Improving dewatering in the press section of paper making industry	Victor Breedveld, Chris Luetzgen, Valerie Thomas, Blair Brettmann
David Witdorhich	ChBE	Oxygen containing intermediates from renewable woody biomass	Andy Bommarius
Andrew K Wu	CHBE	Designing tunable chemistries targeted for recyclable multilayer packaging	Natalie Stingelin, Kyriaki Kalaitzidou, Karl Jacob
Kaung Su Khin Zaw	CHBE	Engineering Microstructure of Graphene Oxide for Concentrating & Fractionating of Black Liquor in Kraft Process	Sankar Nair, Meisha Shofner, Scott Siquefield
Li Zhang	MSE	Controlled Durability and Degradation using ALD in Cellulosic Products	Mark Losego, Todd Sulchek