

ABOUT THE AUTHORS

ALFREDO BONGIORNO is a Master's student at The Kennedy College of Sciences, Department of Biological Sciences, University of Massachusetts at Lowell.

SAMANTHA E. CABRAL is an Assistant Director of The Rivier University Regina Library.

RACHEL CANNISTRARO is a Psychology Major graduating in May 2025. “Outside of my passion for Psychology, I spend my spare time on my crochet small business and traveling Europe. I am still thinking about my career, but I am interested in clinical and mental health counseling”.

DANIELLE CLEMENT '24, a senior Biology/Pre-vet major at Rivier University, was a presenter at the Transformative Learning Conference (TLC) in April 2024.

DOMINIC M. CUNHA is a senior majoring in Psychology, graduating in May 2024. He has been accepted and has begun taking classes toward a master’s degree in Clinical Mental Health Counseling. “I am exploring both counseling-related and research-based work opportunities.”

SHANNA DEMERS, Assistant Professor of Biology, obtained a Master of Science in plant pathology from North Dakota State University and a Master of Science in environmental studies from Antioch University. She is pursuing her doctorate at Antioch University. Demers is broadly trained as an ecologist. Her current research is focused on population dynamics of freshwater turtles in urban ponds and the role cryptogams (mosses/lichens) play in vascular plant succession following disturbance. Her passion is to encourage curiosity and wonder about the natural world and how it works.

LEAH DIPIETRO is a Psychology major with Social Work & Religious Studies minors, graduating in December 2024. “I am a mama to a very loving little bunny. I enjoy running and swimming in my spare time. I am pursuing a career as a Clinical Mental Health Counselor as empathy, validation, and self-accountability are some of the attributes I value the most.”

SRIKANTH DOKKU is a graduate student at Rivier University studying Computer Science. He has three years of professional experience working for a government agency. His bachelor’s degree is from Gudlavalleru Engineering College.

JEREMY FONTAINE, an independent researcher from Boston, Massachusetts, obtained a Master of Arts in Biology from Miami University and is an Environmental Compliance Officer (ENV SP) for the MBTA. Jeremy has five years of environmental permitting experience and over ten years of experience in safe handling and restraint of animals. He has been conducting freshwater turtle population surveys for the last four years.

ISABELLE FOYE is a Psychology major and Sociology minor, graduating in May 2025. “I am the first child in my family to graduate from college. I enjoy working with children and intend to continue to work with children after graduation. I was a competitive dancer for 15 years and is now a dance teacher”.

Dr. JOHN GLOSSNER is an Associate Professor and Director of Computer Science Programs at Rivier University. He teaches graduate-level Programming, Computer Architecture, Operating Systems, Computer Security, Object-Oriented Design, Reading and Research, and Professional Seminar in Computer Science. Prior to Rivier, he was a Professor and Director of the Computer Architecture, Heterogeneous Computing, and AI Lab at the University of Science and Technology in Beijing (USTB), where he supervised Ph.D. students. Prior to

USTB, he was the Chair of Computer Science at Daniel Webster College where he taught undergraduate students. In addition to faculty positions, he has held multiple industry positions at IBM Microelectronics, IBM Research, and Bell Labs. In 2001, he co-founded Sandbridge Technologies which raised \$70M in venture funding. Before being acquired, the World Economic Forum recognized the company for developing world-changing DSP technology widely used in today's commercial cell phones. After Sandbridge, he became CTO of China-based Huaxia General Processor Technologies (hxGPT) and CEO of its U.S.-based subsidiary Optimum Semiconductor Technologies Inc. (OST), where he led embedded development of heterogeneous processor designs including variable length vector processors and domain-specific AI accelerators. Dr. Glossner has also served voluntarily as President of both the Heterogeneous System Architecture Foundation (HSAF) and the Wireless Innovation Forum. He has more than 120 publications and 40 issued patents.

ANUDEEP GUMPULA is a graduate student at Rivier University studying Computer Science. He was previously an Assistant System Engineer at Tata Consultancy Services. His research interests include distributed systems, data management, and machine learning. He holds Microsoft Azure Fundamentals and Cisco Certified Network Associate (CCNA) professional certifications.

SANJANA GUNDATI is a graduate student at Rivier University studying Computer Science. She completed an undergraduate degree in Computer Science. Her current research interests include software development, networking, and algorithms.

Dr. PAVEL (PASHA) IVANOV is an Associate Professor of Medicine at Harvard Medical School. Dr. Ivanov was trained as a chemist specializing in nucleic acid chemistry at Moscow State University where he completed his Ph.D. During postdoctoral training, Dr. Ivanov moved to EMBL (Heidelberg, Germany) to study human nonsense-mediated mRNA decay in the Molecular Medicine Partnership Unit, EMBL. His second postdoctoral training was at Harvard Medical School, where he studied mammalian RNA granules and stress-responsive non-coding RNAs. Dr. Ivanov is an Associate Professor of Medicine at BWH and HMS, an Associate Member of the Broad Institute of Harvard and M.I.T., and an Associate Member of the Harvard Institute of RNA Medicine.

Dr. LEILA JABBOUR, Associate Professor of Biology, earned her Bachelor of Science degree in cell biology (biochemistry minor) from Sorbonne University and her Ph.D. in anatomy (molecular biology) from Case Western Reserve University, where she also completed a post-doctoral fellowship on Huntington's disease. With 23 years of academic experience, she teaches anatomy and physiology to undergraduate and graduate students and has received several teaching awards. Her research on the effects of opioids on the human brain has led her students to present at national conferences. Dr. Jabbour has been a panelist and speaker at many community events focused on drug use disorder awareness.

KELLY A. JANERICO is a Psychology major with Social Work & Sociology minors, graduating in December 2024. "I am a senior at Rivier University with the hope of pursuing a career in Social Work Advocacy. I enjoy spending time with family, friends, and my dog, pursuing new interests such as reading and listening to music, and participating in community service."

TATIANA JONES, M.D., Ph.D., Assistant Professor of Biology, obtained her M.D. at First Pavlov's State Medical Institute; she completed her clinical postdoctoral training in rheumatology and obtained her Ph.D. in clinical immunology at Military Medical Academy in Leningrad (St. Petersburg), Russia. She has 17 years of experience working as a practicing physician and rheumatologist. After moving to the United States in 2000, Dr. Jones worked at Harvard Medical School performing research in immunology. She joined Rivier University in 2020. Since 2021, she has been a Principal Investigator on NH-INBRE grants. Her research interest is the influence of extracellular (ex)RNA on the inflammatory profile of macrophages.

KATIE KILGORE is a third-year Psychology Major graduating in May 2025. She loves to study child development and social psychology. “When I am not studying, I love to read, play guitar, and work on craft projects”.

Dr. EMLEE C. KOHLER, Associate Professor of Psychology, received her graduate training in the biological roots of Alzheimer’s disease from Bowling Green State University. While maintaining her interest in memory disorders, she has become a psychology generalist due to her wide array of interests. Her past research focused on homing pigeons and the biochemical and neurological mechanisms of aging and Alzheimer’s disease. Currently, her research efforts are centered on the scholarship of teaching and learning, specifically the use of manipulatives in teaching and the reading abilities of college-level students.

AARON LEPOER ‘24, a senior Biology major at Rivier University, was a presenter at the Transformative Learning Conference (TLC) in April 2024.

VICTORIA ANGELIZ LOPEZ is a Psychology major and Social Work minor, graduating in December 2025. “I am a first-generation college student from a Puerto Rican family, and I am the youngest of three. I love working with kids and hope to work with children as a Clinical Mental Health Counselor in the future. Although these are my career goals, making my family proud is really what’s most important to me”.

KAYLA LYLE ‘24, a senior Biology major at Rivier University, graduating in December 2024, was a presenter at the Transformative Learning Conference (TLC) in April 2024.

KATHLEEN MacFARLINE is a Research & Instruction Librarian of The Rivier University Regina Library.

MICHELLE MARRONE is a writer for the *Rivier Today* magazine.

JEFFREY R. MOORE, Ph.D. is a Professor, Graduate Coordinator, and UMOVE Co-Director at The Kennedy College of Sciences, Department of Biological Sciences, University of Massachusetts at Lowell. He earned his Ph.D. in Cell & Molecular Biology from the University of Vermont in 1999. His research interests include the study of molecular mechanics, cellular motility, and the mechanism and regulation of muscle contraction.

IRELYNN MULLEN, a junior Biology and Psychology major at Rivier University, was a presenter at the Transformative Learning Conference (TLC) in April 2024.

MAHENDRA NAGISETTY is a graduate student at Rivier University studying Computer Science. He was previously a lead infrastructure engineer at Pragma Edge Software PVLTD. His research interests include distributed systems, data management, and machine learning. He holds Microsoft Azure Fundamentals and Cisco Certified Network Associate (CCNA) professional certifications. He can be contacted at mnagisetty@rivier.edu.

RITA F. NAUGHTON, an Associate Professor of TESOL, has taught at Southern New Hampshire University (SNHU) since 2008. Courses taught in the SNHU Master of Arts (MA) in Teaching English to Speakers of Other Languages (TESOL) program include Listening, Speaking & Pronunciation, Language Curriculum Design and Implementation, and Reading Writing and Vocabulary Techniques. Courses taught in the SNHU Master of Science (MS) in Teaching English as a Foreign Language (TEFL) include Strategies & Techniques for Teaching Grammar, Evaluation and Assessment, Reading & Writing Techniques, and Aspects of Literacy for Multilingual Learners. Her ongoing areas of research are Teacher Education in the field of TESOL, Academic Reading and Writing for Second Language Learners, Learning Strategies, as well as Metacognition and Intercultural Education.

ALIYAH OKONKWO, a senior Biology/Pre-Vet major at Rivier University, graduating in December 2024, was a presenter at the Transformative Learning Conference (TLC) in April 2024.

Dr. BRIAN PATENAUE has been part of the Department of Arts and Sciences at Rivier University since August 2020. Brian earned his B.S. in Mathematics and B.S. in Physics from the University of New Hampshire in 2009. He then went on to work in industry for five years prior to returning to academia. Brian earned his Ph.D. in Inorganic Chemistry from the University of New Hampshire in May 2020. During his time at the University of New Hampshire, Brian's research focused on generating small molecule and polymeric model systems for hydrogenase enzymes and heme proteins.

MARYSE PROULX was born April 17, 1964, in Estrie, Québec. Her passion for the arts led her to complete her studies at Laval University of Quebec City: Bachelor of Visual Arts and Certificate in Arts Education. In 1989, she moved to Quebec City. That same year, she was accepted as a portraitist on Sainte-Anne Street in Old Quebec and definitely put aside her other job to devote herself to art. Since 1992, she has devoted time to teaching drawing and soft pastel while simultaneously deepening her self-taught pastel education. Exhibitions and painting symposiums succeeded in themselves; she exhibited all across Quebec and in some places in Europe. She is now, since 2015, an accomplished street artist on Tresor street in Quebec City. Contact information: ATELIER M. PROULX, Québec City, Canada; cell phone: 418-573-7277; e-mail: proulxmaryseartiste@hotmail.com; web: www.maryseproulx.com.

MORGAN REYNOLDS is an Acquisitions and Serials Librarian of The Rivier University Regina Library.

Dr. VLADIMIR V. RIABOV is a Professor of Computer Science in the Department of Mathematics and Computer Science at Rivier University. In 2010-2022, Vladimir served as the Department Coordinator and Director of Computer Science programs. He received a Ph.D. in Applied Mathematics and Physics from Moscow Institute of Physics and Technology and M.S. in Computer Information Systems from Southern New Hampshire University. Vladimir published about 130 articles in encyclopedias, handbooks, journals, and international and national conference proceedings. He is a senior member of ACM and AIAA, and a member of IEEE and MAA.

SERGEY RYABOV is a Partner at McKinsey & Company in Boston with over 20 years of experience in the financial services industry. He specializes in digital transformations, technology strategy & organization, software engineering, and advanced analytics. As the leader of McKinsey's Core Technology and Architecture service line, Sergey leads complex technology, advanced analytics, and data transformations from client development through design and go-live implementation, across multiple regions including the US, Europe, the Middle East, Latin America, and Central Asia. A passionate traveler and photographer, Sergey shares his global experiences through social media with family, friends, and his community. Sergey currently resides with his family in New Hampshire, continuing to explore the region.

Dr. WILLIAM SCHMIDT is an Assistant Professor of Biology at Rivier University.

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RUTHVIK THIMMARAYAPPA is a graduate student at Rivier University studying Computer Science. He holds a bachelor's degree in Information Science from Visvesvaraya Technological University (VTU). His research focuses on the Internet of Things (IoT) and smart technology applications. He has authored several publications, including "Design and Implementation of IoT-Based Smart Shopping Dash Cart" published in the International Journal of Engineering Technology and Management Sciences (IJETMS) in July 2021, and "Survey

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on Smart Shopping Cart" published in Iconic Research and Engineering Journals (IRE Journals) in June 2021. He can be reached at rthimmarayappa@rivier.edu or ruthvik.tk@gmail.com.

ALEXANDRIA M. WILLIAMS '24, a senior Biology major at Rivier University, graduating in May 2024, was a presenter at the Transformative Learning Conference (TLC) in April 2024.

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