

Association for Women in Mathematics

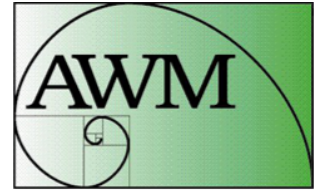
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For Immediate Release: February 22, 2024 **Alexandra Seceleanu Wins Ruth L. Michler Memorial Prize**

The Association for Women in Mathematics and Cornell University are pleased to announce that Alexandra Seceleanu of University of Nebraska has been awarded the 2024–2025 Ruth I. Michler Memorial Prize.

Citation: Dr. Seceleanu works widely in commutative algebra with interests in both theoretical and computational aspects. Among her many interests are free resolutions of modules over Noetherian commutative rings and ordinary and symbolic powers of ideals, especially those ideals of interest in algebraic geometry. In addition to more conventional research contributions she has also made significant contributions to the computer algebra system Macaulay2, providing a further boost to this area. With this fellowship at Cornell University, Dr. Seceleanu plans to collaborate with Irena Peeva. Her work also has significant overlap with that of Mike Stillman.

Dr. Seceleanu received her Ph.D. from the University of Illinois at Urbana-Champaign in 2011. She was then a postdoc and Edith T. Hitz Research Assistant Professor at the University of Nebraska - Lincoln. She participated in the special semester at MSRI in 2012 as a Postdoctoral Research Member. In 2015 she joined the faculty of



University of Nebraska as an Assistant professor and she was promoted to Associate Professor in 2021. Her work has been recognized with NSF grants.

In addition to her very impressive research contributions, Seceleanu has significant undergraduate research mentoring experience. Since 2020 she has served as a mentor for the Polymath REU supervising large groups of 20-23 undergraduates each

summer on collaborative research.

Response from Seceleanu: I am deeply honored to be the recipient of the Ruth I. Michler Memorial Award. This recognition is not only a testament to my individual contributions, but also a reflection of the support and encouragement I have received from mentors, colleagues, and the mathematical community at large. I am excited about the opportunities this award presents for future collaborations with colleagues at Cornell University and look forward to the contributions this will bring to my research field, commutative algebra. I extend my sincere appreciation to the selection committee for their acknowledgment. I am also grateful to the Michler family, the AWM, and the Cornell Mathematics Department for providing this opportunity.

The Ruth I. Michler Memorial Prize was established through a generous donation from Ruth's parents Gerhard and Waltraud Michler of Essen, Germany. The award grants a mid-career mathematician a residential fellowship in the Cornell University Mathematics Department without teaching obligations. The Michlers established the memorial prize with the Association for Women in Mathematics to honor Ruth's commitment to the AWM mission of supporting women mathematicians. Cornell University was chosen as the host institution because of its distinctive research atmosphere and because Ithaca was Ruth's birthplace.