

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants in Aid of Research
For the Year Ending 30 June 2019

The Sigma Xi Grants in Aid of Research Program is now in its ninety-seventh year. The Committee held two meetings during fiscal year 2019. During the meetings, the Committee reviewed a total of 1,935 applications, of which 247 (13%) received full or partial funding. A total of \$233,430 was awarded. This represents a 9% increase in the number of submitted applications from the prior year and a 7% decrease in the number of applications funded. The committee attempts to stretch available resources to benefit as many students as possible.

The accompanying table shows the distribution of applications, awards, and funds among the science and engineering disciplines. The names of the recipients and their institutions are listed on the Sigma Xi web site.

Support from members and interest income from the Society's research endowment continues to be an essential component of the GIAR program. Designated funds from the National Academy of Sciences, which are administered by Sigma Xi, provide valuable additional resources for the program and accounted for 48% of funds awarded.

The following Sigma Xi members served on the Grants-In-Aid of Research Committee during fiscal year 2019:

Sudharshana Apte- Altria Client Services
Drew S. Coleman – University of North Carolina
at Chapel Hill
Shawn Ellerbroek-Wartburg College
Emma S. Perry - Unity College
Shawn M. Ellerbroek - Wartburg College
Michael T. Lares – University of Mary
Pete Zani-University of Wisconsin-Stevens Point

Stephanie Bingham-Barry University
Jose Crespo- Salt Lake City Community College
Peter J. Harries (chair) – North Carolina State
University
Cecil H. McManus - PROBE Consulting Company
Joanne K. Tillotson - SUNY at Purchase
Ann Yezerski - Kings College

I express sincere appreciation to all of the committee and guest readers for their dedicated service to the program.

Peter J. Harries, Ph.D
Chair, Committee on Grants-in-Aid of Research

SIGMA XI
GRANTS-IN-AID OF RESEARCH
SUMMARY OF APPLICATIONS FUNDED BY FIELD OF RESEARCH
FISCAL YEAR 2019

Field of Research	October 2018 Grant Deadline			March 2019 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	38	6	16%	77	10	13%
BEHAVIORAL ECOLOGY	62	12	19%	84	17	20%
CELL BIOLOGY/BIOCHEMISTRY	181	16	9%	121	23	19%
CHEMISTRY	28	3	11%	35	4	11%
CLIMATE SCIENCE	9	2	22%	21	3	14%
COMPUTER SCIENCE/MATH	4	0	0%	8	0	0%
CONSERVATION BIOLOGY	52	7	13%	70	12	17%
ECOLOGY	176	17	10%	308	37	12%
ENGINEERING	39	5	13%	31	8	26%
HYDROLOGY/GEOMORPHOLOGY	10	2	20%	27	2	7%
PALEONTOLOGY/SEDIMENTATION	10	1	10%	32	3	9%
PETROLOGY/GEOCHEMISTRY	22	2	9%	33	4	12%
PHYSICS/ASTRONOMY	14	3	21%	41	6	15%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	63	10	16%	89	7	8%
PSYCHOLOGY	35	3	9%	42	6	14%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	60	7	12%	85	7	8%
TECTONICS/GEOPHYSICS	10	1	10%	18	1	6%
Applicaton Totals	813	97	12%	1122	150	13%
Funding Totals		\$87,696.00			\$145,734.00	
Total Applications Funded	247	Total Amount Funded			\$233,430.00	