

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants-in-Aid of Research
For the Year Ending 30 June 2018

The Sigma Xi Grants-in-Aid of Research Program is now in its ninety-sixth year. The Committee on Grants-in-Aid of Research held two meetings during fiscal year 2018. During the meetings, the Committee reviewed a total of 1,664 applications, of which 315 (19%) received full or partial funding. A total of \$306,037 was awarded. This represents a 9% increase in the number of submitted applications from the prior year and a 8% increase 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, their institutions, and project titles 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 47% of funds awarded.

The following Sigma Xi members served on the Grants-In-Aid of Research Committee during fiscal year 2018:

Drew S. Coleman – University of North Carolina
at Chapel Hill

Emma S. Perry - Unity College

Shawn M. Ellerbroek - Wartburg College

Michael T. Lares – University of Mary

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 2018

Field of Research	October 2017 Grant Deadline			March 2018 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	42	9	21%	71	14	20%
BEHAVIORAL ECOLOGY	49	10	20%	105	19	18%
CELL BIOLOGY/BIOCHEMISTRY	114	24	21%	141	29	21%
CHEMISTRY	12	5	42%	17	3	18%
CLIMATE SCIENCE	5	1	20%	20	3	15%
COMPUTER SCIENCE/MATH	5	0	0%	6	2	33%
CONSERVATION BIOLOGY	45	5	11%	70	12	17%
ECOLOGY	152	22	14%	247	38	15%
ENGINEERING	24	4	17%	23	5	22%
HYDROLOGY/GEOMORPHOLOGY	5	1	20%	21	3	14%
PALEONTOLOGY/SEDIMENTATION	8	2	25%	25	4	16%
PETROLOGY/GEOCHEMISTRY	14	4	29%	24	5	21%
PHYSICS/ASTRONOMY	17	6	35%	16	5	31%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	65	11	17%	69	24	35%
PSYCHOLOGY	40	6	15%	55	12	22%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	55	9	16%	73	13	18%
TECTONICS/GEOPHYSICS	9	2	22%	19	3	16%
Applicaton Totals	661	121	18%	1002	194	19%
Funding Totals		\$115,955.00			\$190,082.00	
Total Applications Funded	315	Total Amount Funded			\$306,037.00	