

SIGMA XI, THE SCIENTIFIC RESEARCH SOCIETY
Report of the Committee on Grants in Aid of Research
For the Year Ending 30 June 2020

The Sigma Xi Grants in Aid of Research Program is now in its 98th year. The Committee held two meetings during fiscal year 2020. During the meetings, the Committee reviewed a total of 1,654 applications, of which 205 (12%) received full or partial funding. A total of \$228,367 was awarded. This represents a 8% decrease in the number of submitted applications from the prior year and a 8% 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 38% of funds awarded. In addition, funds were received from the San Antonio Lighthouse for the Blind and Vision Impaired to fund students conducting vision-related research or identify as being visually impaired.

The following Sigma Xi members served on the Grants-In-Aid of Research Committee during fiscal year 2020:

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 Yezerksi - 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 2020

Field of Research	October 2019 Grant Deadline			March 2020 Grant Deadline		
	Applications Received	Applications Funded		Applications Received	Applications Funded	
		Total	Percentage		Total	Percentage
ANTHROPOLOGY	37	5	14%	65	6	9%
BEHAVIORAL ECOLOGY	48	6	13%	76	10	13%
CELL BIOLOGY/BIOCHEMISTRY	122	19	16%	114	19	17%
CHEMISTRY	40	4	10%	30	4	13%
CLIMATE SCIENCE	17	2	12%	19	2	11%
COMPUTER SCIENCE/MATH	19	1	5%	17	3	18%
CONSERVATION BIOLOGY	37	6	16%	56	8	14%
ECOLOGY	173	15	9%	221	21	10%
ENGINEERING	39	7	18%	32	5	16%
HYDROLOGY/GEOMORPHOLOGY	9	2	22%	7	2	29%
PALEONTOLOGY/SEDIMENTATION	13	3	23%	25	3	12%
PETROLOGY/GEOCHEMISTRY	8	1	13%	22	2	9%
PHYSICS/ASTRONOMY	29	6	21%	15	4	27%
PHYSIOLOGY/FUNCTIONAL MORPHOLOGY	59	9	15%	73	7	10%
PSYCHOLOGY	44	5	11%	40	6	15%
SYSTEMATICS/EVOLOLUTIONARY BIOLOGY	64	3	5%	69	6	9%
TECTONICS/GEOPHYSICS	7	1	14%	8	2	25%
Applicaton Totals	765	95	12%	889	110	12%
Funding Totals		\$99,836.00			\$128,531.00	
Total Applications Funded		205	Total Amount Funded		\$228,367.00	