

The VT OASF was allocated \$50,000 in FY2015 from the Libraries' Collections budget. The OASF received 88 requests to fund publishers' article processing charges totaling \$129,967. We approved 48 articles (55%), awarding \$49,711 to cover \$ \$59,393 of the publishers' charges. The awards averaged \$1,035.65, ranging from \$148.50 to our maximum, \$1500. The OASF approved 38% of the total requests to cover the publishers' charges. [Comparisons with FY2014 are available on the last page.]

Since March 2014 when we joined PeerJ's Lifetime Publication Plan (\$5,000), any VT author may publish one paper per year and \$129 will be deducted upon acceptance. Three co-authors of an article took advantage of our PeerJ account.

In February 2015 we joined the Open Library of the Humanities for \$1,000, which contributes to making 250 articles and 12 books OA and gives us a role in governance through January 2016.

ABOUT THE OASF AUTHORS

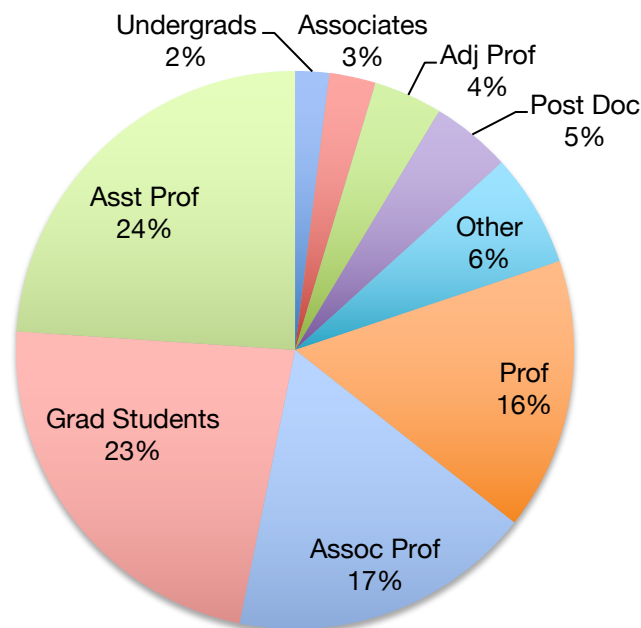
- 109 Unique VT authors funded
- 9 Articles have a single author (19%)
- 18 Authors received funding for more than one article (17%)
- 38 Articles have multiple authors (81%)
- 10 Articles co-authored with colleagues in another college/institute (21%)
 - All included CoS authors with CoE, CALS, VBI, VTCRI, Fralin
- 23 Articles co-authored with colleagues outside VT (49%)
 - CoS: 7 articles, CoE: 5, CALS: 4, VBI: 4, Vet Med: 2, CLAHS: 1

Funded Authors by Categories

auth'rs		Adj Prof	Assoc Prof	Asst Prof	Grad Stud	Post Doc	Prof	Asso- ciates	Under grad	Others	FY 2015 VT OASF approved
33	CALS		5	6	5	1	5	3	4	4	\$14,319
2	CLAHS	1		1						0	\$2,663
4	CNRE		2	1	1					0	\$2,625
28	CoE	1	6	1	15	1	3	1			\$11,043
26	CoS		2	5	9		8		1	1	\$12,004
8	Vet Med		1	2	2	1	1			1	\$2,700
6	VBI		1	1	2		1			1	\$3,308
1	Fralin									1	\$300
1	VTCRI					1				0	\$750
109		2	17	17	34	4	18	1	5	8	

\$1,982 \$8,739 \$11,902 \$11,365 \$2,296 \$7,840 \$1,338 \$978 \$3,270 \$49,711

Others are: Emeritus (2), instructor (1), P/T temp faculty (1), scientist (1), biologist (1), staff (2).



Comments from Authors

Ray David, doctoral candidate in Civil and Environmental Engineering, CALS

Thank you so much for the wonderful news! It is great that VT Libraries supports publications in open access. We are more than happy to acknowledge your support and deposit the article in VTechWorks. ...

Prof. John Phillips, Biological Sciences, CoS

I would also like to emphasize the importance of internal sources of funding like the Subvention Fund, as well as various small grants that are available to graduate students from the Biological Sciences Department and graduate school, because they allow students like Lukas Landler to pursue independent avenues of research that would not be possible if the only funds available were from the external funding agencies.

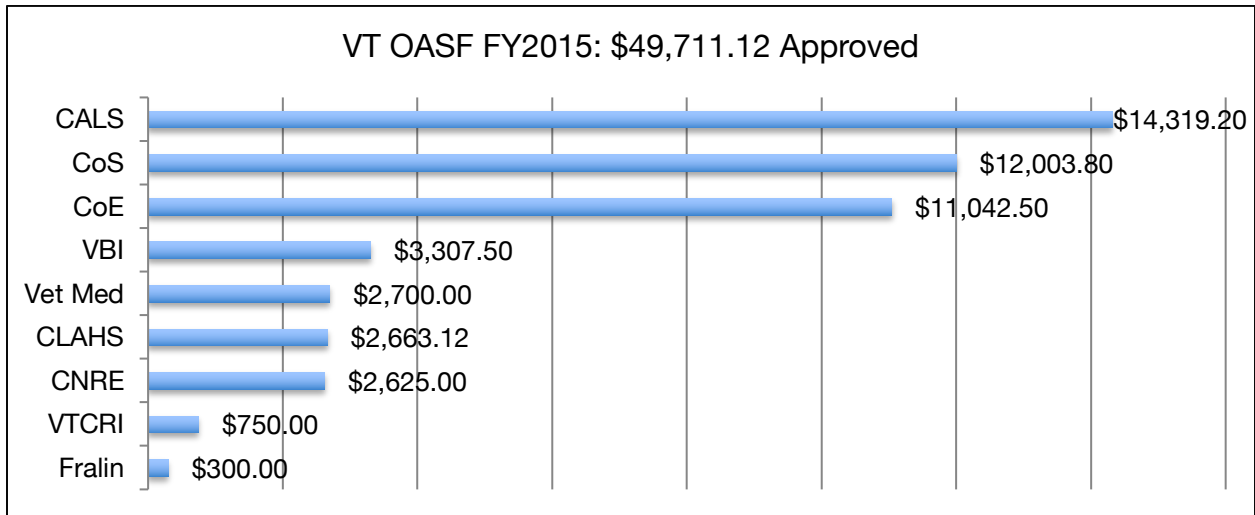
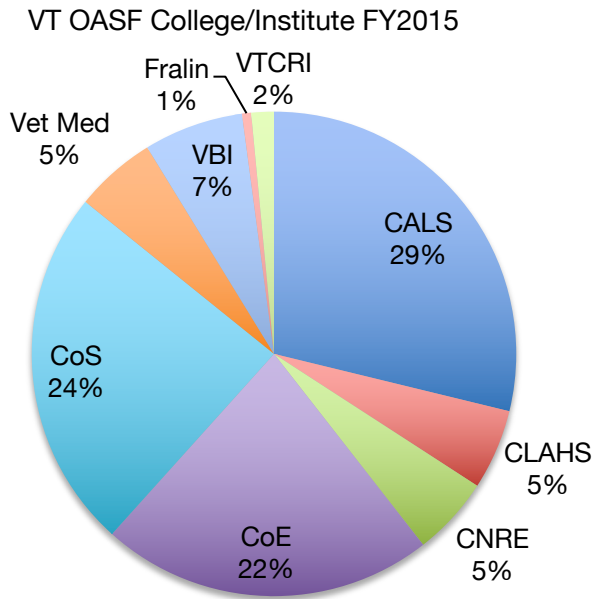
Edward Dougherty, doctoral candidate in Genetics, Bioinformatics, and Computational Biology, VBI

We are honored to have received this very generous funding support from the VT OA Subvention Fund.

Prof. Brett Jones, Educational Psychology, CLAHS, appreciated learning about a predatory publisher:

Thanks for the information Gail. I had no idea about the "potential, possible, or probable predatory scholarly open-access journals" that is really interesting. I'm going to share this list with the School of Education, that is very helpful!

ABOUT THE AUTHORS' COLLEGES AND INSTITUTES



ABOUT THE AUTHORS' PUBLISHERS AND JOURNALS

The funded articles were accepted by 25 journals from 14 publishers.

<u>Publishers of Multiple Funded Articles</u>		<u>Journals with Multiple Funded Articles</u>	
BMC (8)	17%	Acta Crystallographica E (4)	8%
Frontiers (2)	4%	BMC Bioinformatics (2)	4%
Hindawi (3)	4%	BMC Public Health (2)	4%
iMedPub (7)	15%	International Archives of Medicine (7)	15%
International Union Crystallography (4)	8%	PLOS One (12)	27%
PLOS (13)	29%		58%
Springer (2)	4%		
Wiley (2)	4%		
	<u>85%</u>		

	Funded Article	Journal	Publisher
1	Privacy-Preserving Scanning of Big Content for Sensitive Data Exposure with MapReduce	Proceedings - CODASPY'15: Fifth ACM Conference on Data and Application Security and Privacy	ACM
2	Nonparametric Bayesian Clustering to Detect Bipolar Methylated Genomic Loci	BMC Bioinformatics	BMC
3	Vindel: A simple pipeline for check indel redundancy	BMC Bioinformatics	BMC
4	Proteomic Study Reveals a Functional Network of Cancer Markers in the G1-Stage of the Breast Cancer Cell Cycle	BMC Cancer	BMC
5	Disparities in obesity among rural and urban residents in a health disparate region.	BMC Public Health	BMC
6	Does availability of physical activity and food outlets differ by race and income? Findings from an enumeration study in a health disparate region	BMC Public Health	BMC
7	Effects of birth-rearing type on weaning weights in meat sheep are systematically associated with differences among flocks in mean performance	Genetic, Selection, Evolution	BMC
8	Empirical Study using Network of Semantically Related Associations in Bridging the Knowledge Gap	Journal of Translational Medicine	BMC
9	The pivotal role of pyruvate dehydrogenase kinases in metabolic flexibility	Nutrition & Metabolism	BMC
10	Repeat what after whom? Exploring variable selectivity in a cross-dialectal shadowing task.	Frontiers in Psychology	Frontiers
11	Metabolic Engineering of Yeast to Produce Fatty Acid-derived Biofuels: Bottlenecks and Solutions	Frontiers in Microbiology	Frontiers
12	Multiscale Model and Simulations of Transcranial Direct Current Stimulation	Computational and Mathematical Methods in Medicine	Hindawi

13	Baicalein Prevents Type 2 Diabetes via Promoting Islet β -Cell	International Journal of Endocrinology	Hindawi
14	Spectral Distortion in Fiber Bragg Gratings Embedded in 3D Printed Prototypes	Journal of Sensors	Hindawi
15	A comparative study of the cognitive function of the hearing-impaired and the non-hearing-impaired in two primary schools in Lagos State, Nigeria	International Archives of Medicine	iMedPub
16	A Descriptive Study of the Knowledge-Base of Malaria between the Visually-impaired and the Non-Visually impaired in Two Primary Schools in Lagos, Nigeria; implications for health education	International Archives of Medicine	iMedPub
17	Ebola Virus Disease Stigmatization; The Role of Societal Attributes	International Archives of Medicine	iMedPub
18	Exclusive Breastfeeding among Mothers in Two Semi-Urban Areas around a Baby Friendly Hospital Initiative (BFHI) designated hospital in Lagos State, Nigeria	International Archives of Medicine	iMedPub
19	The Political Economy and Stigmatization of HIV/AIDS in Patients Attending a Clinic in Lagos, Nigeria	International Archives of Medicine	iMedPub
20	The Political Economy of Ebola Virus Disease (EVD) in West African Countries	International Archives of Medicine	iMedPub
21	Village Health Workers: Considering their Potential Role in the Current Ebola Virus Disease (EVD) Outbreak	International Archives of Medicine	iMedPub
22	Crystal Structure of bis(2-chloro)-tetrachloro-tetrakis(methanol)-di-iridium dihydrate: a surprisingly simple chloroiridium(III) dinuclear complex with methanol ligands	Acta Crystallographica, Section E	International Union of Crystallography
23	Chloro-(mer-tris(trimethylphosphine) (η^2 -C,S-phenylisothiocyanate)iridium	Acta Crystallographica Section E	International Union of Crystallography
24	Crystal structures of fac-tris(trimethylphosphane)trichlororhodium(III) hydrate and fac-tris(trimethylphosphane)trichlororhodium(III) 0.5 methanolate - rhodium structures that are isomorphous with their iridium analogs.	Acta Crystallographica, Section E	International Union of Crystallography
25	Serendipitous preparation of fac[(1,5-cyclooctadiene)(acetonitrile)trichloroiridium(III)]	Acta Crystallographica, Section E	International Union of Crystallography
26	Targeting FoxO1 with AS1842856 Suppresses Adipogenesis	Cell Cycle	Landes Bioscience
27	Tamoxifen Reduces Fat Mass by Boosting Reactive Oxygen Species	Cell Death and Disease	Nature
28	Parallel evolution of tetrodotoxin resistance in three voltage-gated sodium channel genes in the garter snake <i>Thamnophis sirtalis</i>	Molecular Biology and Evolution	Oxford
29	The Hsp70-like StkA functions between T4P and Dif signaling proteins as a negative regulator of exopolysaccharide in <i>Myxococcus xanthus</i>	PeerJ	PeerJ
30	Comparing Postural Stability Entropy Analyses to Differentiate Fallers and Non-fallers	PLoS Computational Biology	PLOS

31	A rootstock provides water conservation for a grafted commercial tomato (<i>Solanum lycopersicum</i> L.) line in response to mild-drought conditions: A focus on vegetative growth and photosynthetic parameters	PLoS One	PLOS
32	Acyl-homoserine Lactone Recognition and Response Hindering the Quorum-Sensing Regulator EsaR	PLoS One	PLOS
33	Development and validation of a UPLC-MS/MS method to monitor cephalosporin excretion in dairy cows following intramammary infusion	PLoS One	PLOS
34	Fish and phytoplankton exhibit contrasting temporal species abundance patterns in a dynamic north temperate lake	PLoS One	PLOS
35	OpaR Controls a Network of Downstream Transcription Factors in <i>Vibrio parahaemolyticus</i> BB22OP	PLoS One	PLOS
36	Paradoxical effects of all-trans-retinoic acid on Lupus-like disease in the MRL/lpr mouse model	PLoS One	PLOS
37	Phosphorylation of PPARgamma Affects the Collective Motions of the PPARgamma-RXRalpha-DNA Complex	PLoS One	PLOS
38	Quantifying Human Mobility Perturbation and Resilience in Hurricane Sandy	PLoS One	PLOS
39	Spontaneous magnetic alignment by yearling snapping turtles: rapid association of radio frequency dependent pattern of magnetic input with novel surroundings	PLoS One	PLOS
40	Systematic Reverse Engineering of Network Topologies: A Case Study of Resettable Bistable Cellular Responses	PLoS One	PLOS
41	Toll-like receptor responses to Peste des petits ruminants virus in goats and water buffalo	PLoS One	PLOS
42	Using historical atlas data to develop high-resolution distribution models of freshwater fishes	PLoS One	PLOS
43	Trust ecology and the resilience of natural resource management	Ecology and Society	Resilience Alliance
44	Overview of Aluminum Alloy Mechanical Properties During and After Fires	Fire Science Reviews	Springer
45	Results of a Digital Library Curriculum Field Test	International Journal on Digital Libraries	Springer
46	Global Invader Impact Network (GIIN): towards standardized evaluation of the ecological impacts of invasive plants	Ecology and Evolution	Wiley
47	Protecting Soymilk Flavor and Nutrients from Photodegradation	Food Science and Nutrition	Wiley

40 requests for funding were *not* approved (45%).

- 22 were due to authors who either had other funding (18%) or their articles had not been accepted for publication (82%). The FY 2016 OASF submission form was amended so authors may only request funding for articles already accepted for publication.
- 11 publishers of 18 journals had unacceptable policies:
 - Hybrid journals did not give institutional discounts* 78% (14)
 - Journal wasn't registered anywhere as open access° 6% (1)
 - Publishers had predatory practices~ 17% (3)

Journal

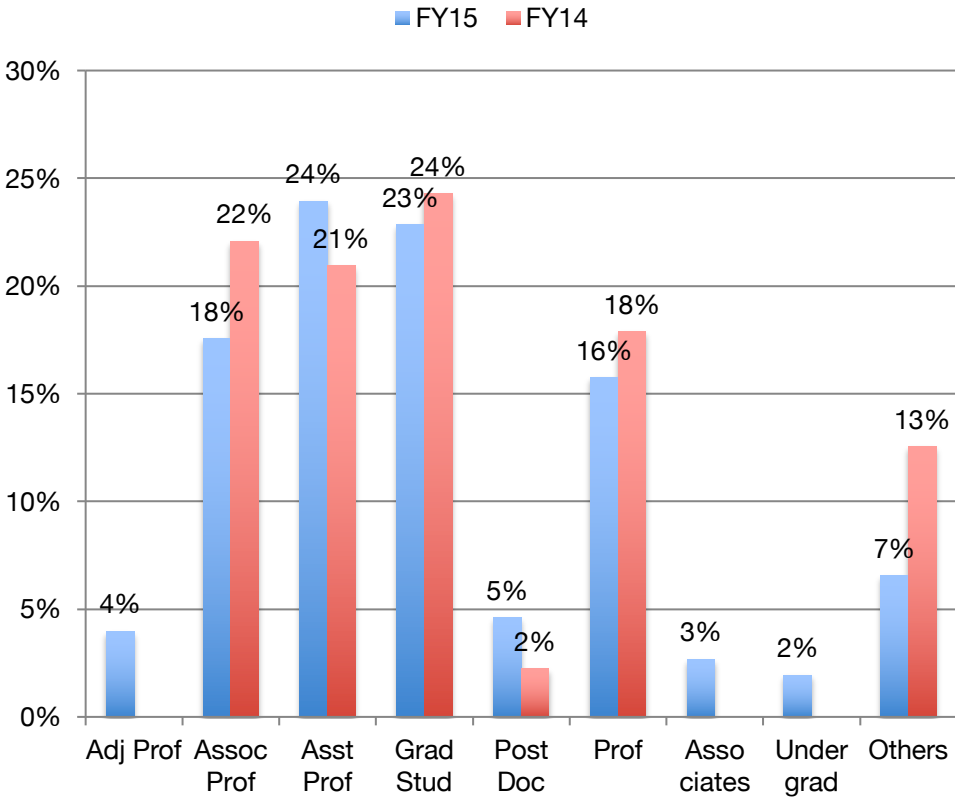
Journal of Dairy Science
Journal of Environmental Quality
Applied and Environmental Microbiology
Biophysical Journal
Toxicology Reports
Water Research
Computers & Security
IEEE Transactions on Information Forensics and Security
IEEE Transactions on Robotics
Proceedings NAS
ISME Journal
Alternative & Integrative Medicine
Journal of Obesity & Weight Loss Therapy
Journal of Plant Biochemistry and Physiology
Therapeutic Advances in Cardiovascular Disease
Journal of Wildlife Diseases
Journal of Food Science
Obesity Reviews

Publisher

American Dairy Science Association*
American Society of Agronomy*
ASM*
Elsevier*
Elsevier°
Elsevier*
Elsevier*
IEEE*
IEEE*
National Academy of Sciences*
Nature Publishing Group*
OMICS ~
OMICS ~
OMICS ~
SAGE Choice*
Wildlife Disease Association*
Wiley*
Wiley*

COMPARING VT OASFs for FY2014 and FY2015

Funding Changes among Author Categories



Funding Changes among Colleges/Institutes

