# 2019 Economic Botany Section Report to the BSA Council Submitted by Laura Klein (LeafWorks Inc., <u>laura@leafworks.com</u>) 20 July 2020

#### Current Section Governance:

Laura Klein – Chair Emily Warchefsky – Secretary/Treasurer Alex McAlvay – Public relations co-officer Doressa Williams – Public relations co-officer

#### 2018-2019 Activities:

#### 1. BOTANY 2019 Activities and aftermath

- a. Contributed Papers: 3 presented (14 submitted) in the Ethnobotany session, with approximately 70 people in attendance for the session. 11 presented (14 submitted) in the Crops and Wild Relatives session, with approximately 80 people in attendance for the session.
- b. Contributed Posters: 12 posters were submitted to the Crops and Wild Relatives and 12 posters were submitted to the Ethnobotany subsections of the Economic Botany section.
- c. The Economic Botany business meeting was held Monday, July 29 at 4:30pm. We discussed creating a social media presence to share our news. In creating a social media account, we should attempt to make a posting every week with economic botany-related content. These posts could be quizzes, polls, historical spotlights, scientific heroes, plants of the week, etc. Board members can be in charge of a post a week. We proposed a fundraising opportunity by organizing a silent auction with materials from members, probably with a local spin or harvested from their collections or organizing a social mixer either formal with a charge (~\$10) or doing a profit share and possibly working with a corporate sponsor to host the mixer. We discussed updating the website. We talked about membership and increasing awareness of member dues – putting a social media post together for creating awareness membership. We had \$490 in dues last year (98 members). We need to make clear to what membership dues are contribute. Members expressed interest in collaborating with the Society for Economic Botany and were interested in finding out when SEB will be joining botany again for a meeting. It was proposed to raise our section dues to \$8; the motion was seconded and it passed unanimously. We would like to get a list of our members to get demographics. There was plans to develop a locally-themed symposium.

#### 2. BOTANY 2020

- a. The section is supporting two symposia in name:
  - i. Plant epigenetics: phenotypic and functional diversity beyond the DNA sequence
  - ii. The impact of climate change on plants and their interactions with pollinators
- b. The section is supporting one colloquium in name:
  - i. Enriching basic and applied botany through multi-stakeholder collaborations

## c. The section received 19 abstracts:

### i. Ethnobotany Posters (6):

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Abstract#	Title	Submit-	Authors
		Type	
502	D 1 A 1 C 1	4	V ' F 1 1 [0]
502	Potential Antioxidant Capacity and	poster	Yerima, Fadel [2];
	Antibacterial Effect of <em>Xylopia</em>		Perdomo,
	aethiopica Plant Extracts		Rosemary [2]; Priano,
	_		Christine [2]; *Koroch,
			Adolfina [3]
540	♦   HISTORY OF	poster	*RASIKBHAI ,
	ETHONOBOTANY FATHERS		JADAV
	♦		MAHESHKUMAR [2]
	consesp, commis,		
541	Ethenobotany uses and cultivation	poster	*Jayeshbhai, Bhavsar
311	Enterior and a see and cara variones nosp,	poster	Nirali [2]
			Nitali [2]
577	Lessons For On-Farm Conservation Of Djulis	poster	*Liu, Shih-Hui [2];
	( <em>Chenopodium</em>	1	Lin, Chih-Chung [2];
	<pre><em>formosanum</em></pre> /em>) Diversity In		Yang, Yuen-Po [2]
	,		Tang, Tuch-10 [2]
	Taiwan I: An Ethnobotanical Survey		
659	Determinants of participation in state and	poster	*Aganyira, Kellen [2];
	private PES projects in Uganda	_	Tabuti, J.R.S [3]
			,[]
699	Biodiversity and ethnobotany of Himalayan	poster	*Hart, Robbie [2]
	homegardens	1	,
	nomegardens		
		1	

## ii. Ethnobotany Papers (8):

Abstract#	Title	Submit- Type	Authors
667	Persistence of use of Amazigh medicinal plants documented by ibn al-Baytar	paper	*Applequist, Wendy [2]
103	Ethno-botanical study of medicinal plants in Syangja District, Nepal	paper	*Regmi, Siddhartha [2]
45	Ethnobotanical Survey, Phytochemical Analysis and Antimicrobial Evaluation of Meidicinal Plants used for Skin Diorders in Lagos State, Nigeria	paper	*Sharaibi, Olubunmi [2]; Sobayo, Ashiat [2]
93	Screening of <em>Rumex crispus</em> extracts using <em>Caenorhabditis elegans</em> model; ultrastructural study of the effect of the extracts and non-targeted	paper	*Idris , Oladayo Amed [2]

	identification of the bioactive compounds using FTIR, LC-MS and EDX		
604	Identification of 17 Chinese Rhododendron cultivars: A Preliminary Study Based on DNA Barcodes and Leaf Epidermis Microscopic Characteristics	paper	*Shen, Fengjiao [2]; Cui, Mengwei [2]; Shi, Shuo [2]; Li, Lin [2]; Zhao, Jiancheng [3]
68	Systematics, indigenous taxonomy, and conservation in Borneo: a case study in Moraceae from Kapit Division, Sarawak	paper	*Gardner, Elliot [2]; Ahmad Puad, Aida Shafreena [3]
457	Opportunity versus Necessity: What drives Environmental Reliance?	paper	*Kemigisha, Esther [2]; Angelsen, Arild [3]
877	COVID-19, Plant Biodiversity, Utilization, Conservation and biodiversity - climatic link	paper	*Pandey, Vashist [2]

iii. Crop Wild Relatives Posters (3):

Abstract#	Title	Submit-	Authors
		Type	
		- 7 F	
78	A preliminary report on yellow spot disease in	poster	*Ayomipo, Adenegan-
	<em>Basella rubra</em> Linn. in Ondo State	1	Alakinde [2]
			Makinde [2]
	Nigeria		
712	Leaf Area Index as an Indicator of Phenology	poster	Chacon, Francisco [2];
	and Dormancy in <em>Allium cepa</em>		Cramer,
	(L.)		Christopher [2];
	(EI)		*Guzman, Ivette [2]
			"Guzman, Ivette [2]
796	Developing <em>De novo</em>	poster	Pires, Joseph [6];
	domestication in <em>Brassica</em>	1	Mabry, Makenzie [4];
	Total dollars delication in Total Brassica Total		*Pisias, Michael [2];
			An, Hong [2]; Yuan,
			Yuxiang [3]; Hurt,
			Sarah [5]
			~ [2]
		1	l l

iv. Crop Wild Relatives Papers (2):

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Abstract#	Title	Submit-	Authors
		Type	

729	Growing the botanical foundation for crop development: characterizing patterns of variation and covariation in herbaceous perennials	paper	Miller, Allison [9]; *Rubin, Matthew [2]; Bhakta, Niyati [3]; Brand, Leah [4]; Cyr, Maxwell [5]; Frawley, Emma [6]; DeHaan, Lee [7]; Long, Quinn [8]; Schlautman, Brandon [7]; Van Tassel, David [7]
705	Lifespan-associated seed and early growth trait patterns in <em>Lathyrus</em> , <em>Phaseolus</em> , and <em>Vicia</em> (Fabaceae)	paper	Miller, Allison [4]; *Herron, Sterling A [2]; Rubin, Matthew [3]

d. The Economic Botany section business meeting will take place on Monday, July 27<sup>th</sup> at 4:30pm EST. At the business meeting, we will discuss planning for a silent auction fundraising event, a mixer/event for members, and fieldtrip interests.