PMUSER, 2019, 5(1) 3

Front Matter

Branches of Knowledge and Their Fruits

I By Cover Art Contest Winner, William Steele

Preface

2 By R. Steele

Masthead

3 By R. Steele

Letter from the Editor-in-Chief

4 By R. Steele

University of Manitoba Faculty Profile

5 By T. Black

Innovation and Expanding Horizons within Research at the University of Manitoba

7 By V. Lockman

Research

Estimation of Ectoparasites in an African Ground Squirrel

IO By J. Beaumont, A. Beaumont, A. Halajian, & J. M. Waterman

Crushed Glass as a Constructed Wetland Substrate: Invertebrate Community Responses to Simulated Wastewater Inputs

By Best Research Article Contest Winner Braedon W. Humeniuk, L. G. Chaves-Barquero, C. S. Wong, & M. L. Hanson

Reviews

Role of RNA-interference in Crop Pests and Disease Vector Control

28 By V. Arya

Gonadal Development, Social Structure, and Implications of Protandry by Aggressive Dominance in *Amphiprion* Anemonefish

By I. Jorgenson

Research Poster Competition

 $\label{lem:condition} \mbox{Advancing Data Analytics for Decoding Gendered Language in Job Advertisements of STEM Fields$

36 By A. Nabong

Female-Specific Larval Lethality in the Yellow Fever Mosquito Aedes aegypti

38 By K. Roznik

Structural Insights into Metal-Organic Connectivity by Paramagnetic NMR

40 By L. Walld

Effects of Filtration Techniques in Identifying Dissolved Reactive Phosphorus versus Particulates in South Tobacco Creek Watershed

42 By S. Young

Phenotypic Analysis of Multi-Drug Resistant Cystic Fibrosis Clinical Isolates of *Pseudomonas aeruginosa* strains

44 By R. Zimmer

Submissions

How to Submit

46 By PMUSER Editorial Team

