



PSNA News

Phytochemical Society of North America
Sociedad Fitoquímica de América del Norte
Société Phytochimique de L'Amérique du Nord

Volume 56, Number 3

Fall 2018

President's Message



Dear PSNA members:

Time flies! Since we had our spectacular 57th annual meeting from Aug. 4-8 at Universidad Autonoma de San Luis Potosi, more than two months have gone. Although time goes so quickly, I believe that your neurons in your central and peripheral nervous systems are still enjoying wonderful talks, delicious food, marvelous traditional "Callejoneada," unforgettable music march through the historic town of San Luis Potosi, and members' talented dance. For members who could not attend this meeting, I am so sorry that you had missed so, soooooo much.

Thanks to Dr. Denisse Atenea de Loera Carrera for organizing such a wonderful annual meeting for members, thanks to Dr. Ma. Guadalupe

Beatriz Zapata Zapata for greatly supporting this meeting, thanks to the rector Manuel Fermín Villar Rubio for introducing us his university and kind greeting to all attendees, thanks to the entire local team for taking care of every attendee like "baby," and thanks to those beautiful girls for their Mexican fashion show! We were fully spoiled by Denisse and her great team.

Thanks to Dr. Bernd Markus Lange for his excellent leadership in 2017-2018. Thanks to the entire executive members and advisory members for everything that they had accomplished to maintain and expand the PSNA in 2017/2018. Particular thanks to Dr. Mark Berhow, the past president, for working so hard for editing and publishing our newsletters and for updating the PSNA web-

site (Dr. Lange also worked hard for this), special thanks to Dr. Dharendra Kumar for his excellent efforts to manage the PSNA finances! Special thanks to Dr. Reinhard Jetter for excellently editing one issue of Phytochemistry Review for members.

Millions of thanks to all PSNA members for your support! Without your engagement, the PSNA would not exist at all. The annual meeting is the best event for us to come together to greet each other, exchange research, educate students, and expect a bright future. The PSNA needs your continued engagement and support.

Congratulations to our Elsevier Award winner, three Neish Award winners, Poster Presentation Award Winners, and Travel Award Winners! Your award represents the PSNA to your institute. You are our ambassador, and PSNA hopes!

Congratulation to Dr. Argelia Lorraine to become our President-Elect! Congratulation to Dr. Li Tian to become our new Secretary. Thank you both for willing to serve the PSNA and all members!

Our current functional committees include executive committee, award committee, advisory committee, continues on page 3 ...



In this issue:

2018 Meeting in San Luis Polosti, Mexico

The web PDF version can be downloaded from the website: www.pсна-online.org.

PSNA News
Fall 2017



WWW.PSNA-ONLINE.ORG



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The Phytochemical Society of North America

The Phytochemical Society of North America (PSNA) is a nonprofit scientific organization whose membership is open to anyone with an interest in phytochemistry and the role of plant substances in related fields. Annual membership dues are U.S. \$60 for regular members and \$30 for student members. Annual meetings featuring symposium topics of current interest and contributed papers by conference participants are held throughout the United States, Canada, and Mexico. PSNA meetings provide participants with exposure to the cutting-edge research of prominent international scientists, but are still small enough to offer informality and intimacy that are conducive to the exchange of ideas. This newsletter is circulated to members to keep them informed of upcoming meetings and developments within the society, and to provide a forum for the exchange of information and ideas. If you would like additional information about the PSNA, or if you have material that you would like included in the newsletter, please contact the PSNA Secretary or visit our website at www.pсна-online.org. Annual dues and changes of address should be sent to the PSNA Treasurer. Also check the PSNA website for regular updates.

The PSNA is an all volunteer organization which depends on its membership to run the organization. We appreciate the time and effort these volunteers are putting in to keep the organization up and running. As a member, please consider volunteering to serve on one of these committees. The PSNA can always use more help!

PSNA EXECUTIVES

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... from page 1

and website and newsletter committee. The executive committee is composed of Drs. Mark Lange (the past president), Argelia Lorence (the president-elect), Li Tian (Secretary), Dharendra Kumar (Treasurer), and Reinhard Jetter (Editor-in-Chief, *Phytochemistry Review*), and myself (president). The award committee is composed of Drs. David Gang, Argelia Lorence, and Bjorn Hamberger. These members' contact information is listed in this newsletter. Advisory members are also listed in another page in this newsletter. Our Youth Committee and Future Meeting Committee are under development. They will come up soon.

As you know, our 58th annual meeting will be held from July 20-24, 2019 at East Tennessee State University. Thanks to Professors Dharendra Kumar and Cecilia McIntosh for taking this leadership! To date, Professors Kumar and McIntosh have organized an excellent scientific program committee and finalized a great program, both of which have been posted in the PSNA group on Facebook. Our meeting registration and other details will be available soon on our PSNA website. Please save your dates to join this annual event!

Thank you for continuously engaging the PSNA. I will do my best to serve you and the PSNA. I encourage you particularly young members to actively involve the PSNA's governance. If you have new ideas to energize the PSNA, please email me. I will report your suggestions and comments to the executive committee.

Go, the PSNA!
Best Wishes!
Thank you for reading!
Deyu Xie
PSNA President 2018/2019

PSNA Newsletters Back Issue Catalog

Recently Dr. John Romeo, a Past PSNA President and a Life Time Member of the PSNA, sent his collection of back issues of the *PSNA Newsletter* dating back to 1976 to the current editor. These have now been scanned to PDF digital format and have recently been posted on the PSNA website. This expands our collection of back issues that had only gone back to 2000 or so.

This is a unique collection that catalogs the events and proceedings of the PSNA meetings as well as providing some interesting articles on the state of phytochemical research over the years. If you get a chance go to the PSNA website and click the publications link, download some of the newsletter sets and enjoy!

Dr. Romeo: all you need do to become a member is to send \$8 to Dick Mansell (see p 9) together with an outline of your phytochem. interests. I'd be happy to send you! CW:

PHYTOCHEMICAL SOCIETY OF NORTH AMERICA

NEWSLETTER JANUARY 1976 HAPPY NEW YEAR ONE AND ALL !!!

TABLE OF CONTENTS

1. The 1976 meeting in Vancouver..... p.1
2. The 1977 meeting in Ghent..... p.2
3. The 1978 meeting in Stillwater..... p.2
4. PSNA symposium volumes..... p.2-5
5. Proposed by-law change..... p.5
6. Membership dues..... p.6
7. Personalia and other miscellany p.6-7
8. Up-coming meetings of possible interest to phytochem. p.7
9. Letter re NSF grant Application..... p.8
10. Form for NSF travel grant application..... p.9
11. Form for ordering PSNA symposium volumes..... p.9

The newsletter proposed for December circulation was replaced by a brief note from the Treasurer because of the Canadian mail strike. Now that the postal operations are more or less back to normal, we can expand on the information which made an interim sheet mandatory.

*Canada
(accommodations on campus of UBC)*

Job Listings

<http://www.pсна-online.org/jobs.html>

Tenure Track Assistant Professor in Plant Biology, The Department of Plant Biology, Ecology, and Evolution at Oklahoma State University in Stillwater (<http://plantbio.okstate.edu>) to begin August 2019. All applications should be submitted online through Interfolio (<http://apply.interfolio.com/54165>).

Plant Transformation and Cell Culture Scientist, Trait Biosciences, Los Alamos, NM, , Email a resume with optional cover letter to Emily@Traitbio.com posted August 21, 2018

Assistant Professor Department of Food Science and Human Nutrition Colorado State University, <https://jobs.colostate.edu/postings/59222>
Posted August 16, 2018

Assistant/Associate Professor in Plant-Insect Interactions/ Crop IPM, Dept. Entomology, University of Georgia, Athens. <http://facultyjobs.uga.edu/postings/3392>, (posting # 2018_00598F)
Posted Feb 2, 2018.

Two postdoctoral research positions in the laboratory of Dr. Alain Goossens at the VIB Center for Plant Systems Biology in Ghent, Belgium <http://www.vib.be/en/jobs/Pages/default.aspx>
Posted Dec. 6, 2017.



57th Annual Meeting of the PSNA

August 4-8, 2018

Universidad Autónoma de San Luis Potosí (Autonomous University of San Luis Potosí)

San Luis Potosí, México

by Mark Berhow

Let me lead off with this statement: those of you who missed this meeting really missed a fantastic meeting. Our hosts at the Universidad Autónoma de San Luis Poltosí put on an outstanding program for the PSNA, you should have been there!

Another outstanding PSNA program, coupled with very nice weather and an outstanding social program, resulted in a highly productive and

informative meeting. This meeting went a long way in re-establishing our ties with the phytochemical researchers in Mexico and building more ties for the North American phytochemical research community that the PSNA represents.

I would like to encourage all PSNA members and potential members to consider attending the PSNA meetings in the future. The society has always been a relatively small at-



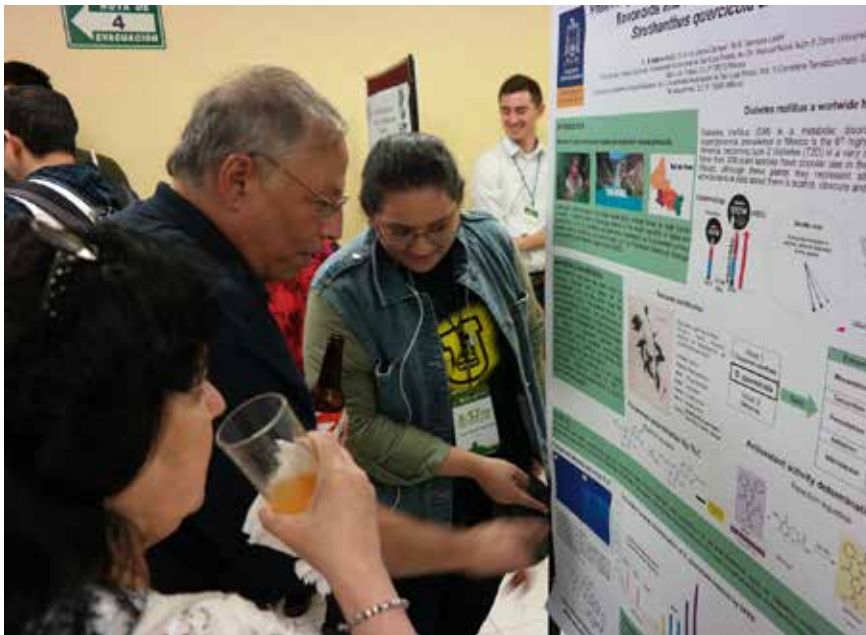
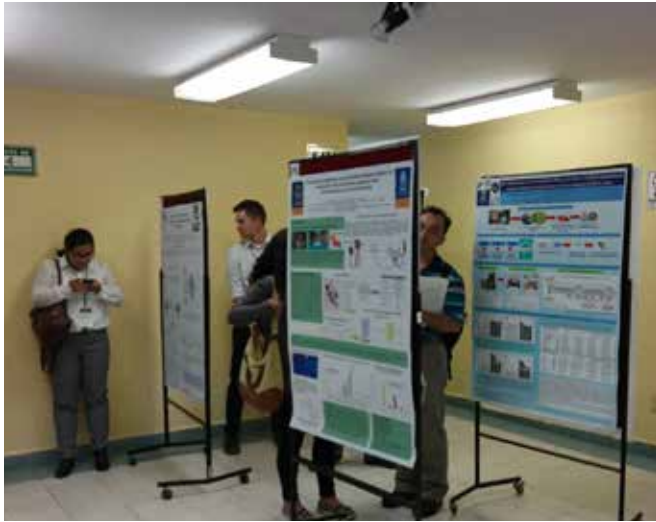


tendance, which allows the PSNA to have a single program track and by having lunch, poster session and evening events, this allows for great interaction between the senior researchers, young faculty, postdoctoral fellows, and all the students. The PSNA has been increasing its support for student travel and awards, making this society an outstanding bargain for sending students. This year and last year the PSNA provided travel support to all the students who applied for it. Professors and researchers should all take advan-

tage of this opportunity to support student travel.

The meeting was chaired by the extremely capable Professor Denisse Atenea De Loerna Carrera of the Facultad de Ciencias Químicas at the Universidad Autónoma de San Luis Potosí, along with support by the Director of the department Professor M.C. Ma Gualupe Beatriz Zapata Zapapta. The faculty and staff of the department put together a very enjoyable four day program, not only did we hear about great sci-





ence, but we had a fun time at poster sessions, the lunches, and the fabulous traditional Callenjoneada and award banquet on the last evening. With tours of the botanical garden and the plant biotechnology facility, this meeting was a true treat for all aspects of research and camaraderie! All that attended came away with a renewed perspective on the state of phytochemical research around the world, and no doubt appreciated the opportunity to interact with each other in this unique small group meeting program. The PSNA meetings are simply the best opportunity to learn about current research as well as build and renew collaborative ties. This meeting continued in this fine tradition. The Society would like to thank Denisse, Beatriz, their staff, and the University for organizing a fantastic meeting. It is a lot of work and effort to coordinate all the little details that go into running such a show.

The PSNA 2018 Symposiums included: plant-environment interactions, molecular and industrial phytochemistry, plant biochemistry, Bioactive natural products, phenotyping, metabolomics, proteomics, and plant biotechnology. The keynote speakers included:

Luis Manuel Peña, Unidad de Biotecnología, Centro de Investigación Científica de Yucatán

Martin Heil, Departamento de Ingeniería Genética, CINVESTAV-Irapuato

Juan Francisco Jiménez Bremont, División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica AC

Angel Alpuche Solis, División de Biología Molecular, Instituto Potosino de Investigación Científica y Tecnológica AC

Peter Facchini, Department of Biological Sciences, University of Calgary

Victor Manuel Loyola-Vargas,
Unidad de Bioquímica y Biología
Molecular de Plantas; Centro de In-
vestigación Científica de Yucatán

Rachel Mata, Departamento de
Farmacia, Facultad de Química,
Universidad Nacional Autónoma de
México

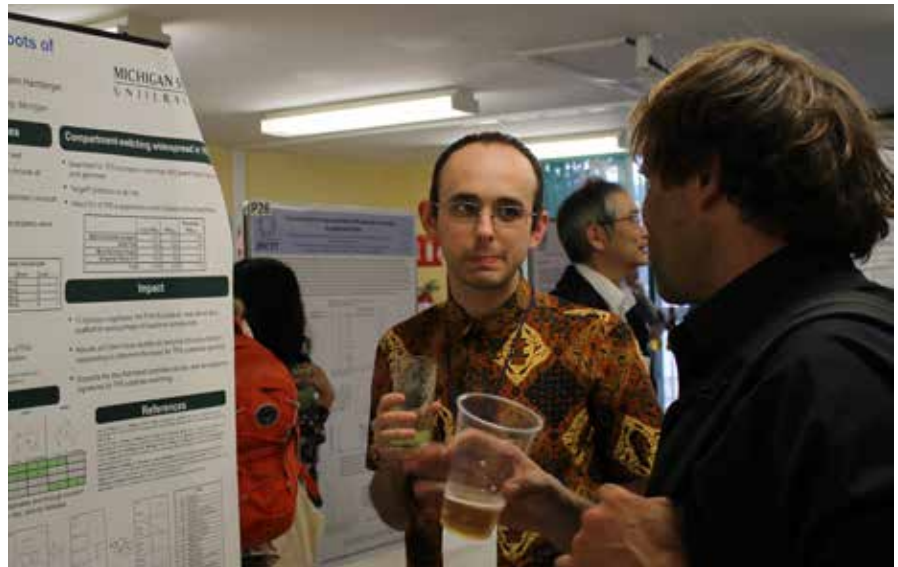
Rosalba Encarnación Dimayuga,
Fundación de Farmacognosia y Me-
dicina Complementaria y Alterna-
tiva de Baja California Sur

Ashutosh Sharma, Department
of Bioengineering, Tecnológico de
Monterrey, Querétaro

Ana Paulina Barba de la Rosa,
Instituto Potosino de Investigación
Científica y Tecnológica A.C.

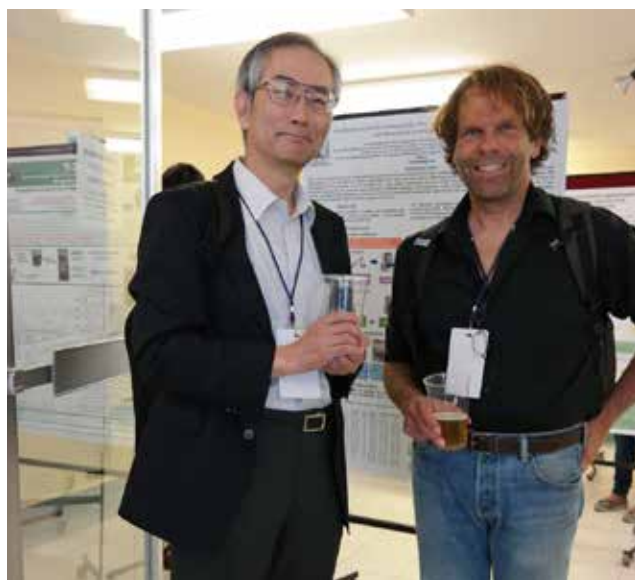
Pam Weathers, Department of Bi-
ology and Biotechnology, Worcester
Polytechnic Institute

Sergio Rosales-Mendoza, Labora-
torio de Biofarmacéuticos Recombi-
nantes, Facultad de Ciencias Quími-
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Centro de Investigación en Ciencias
de la Salud y Biomedicina; Univer-
sidad Autónoma de San Luis Potosí



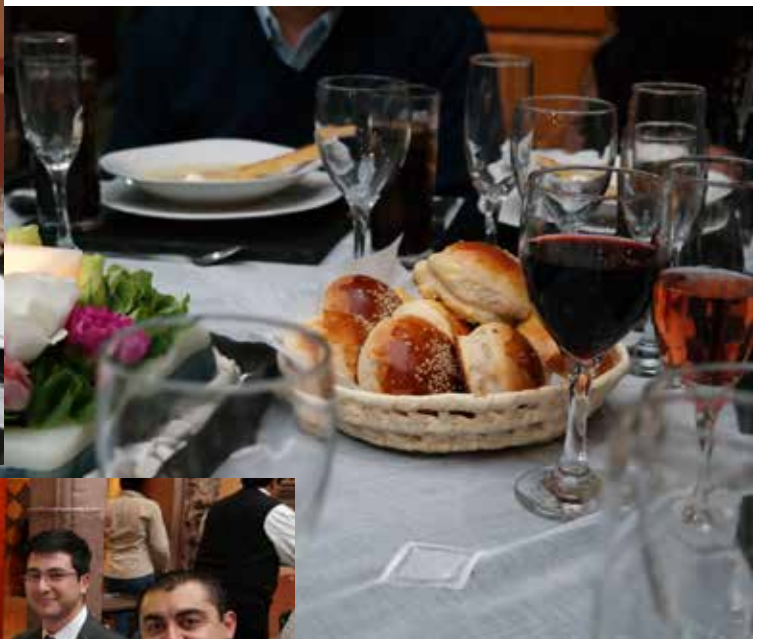
The PSNA gratefully acknowledges the support of our PSNA 2018 meeting sponsors including: Conagen, Agilent, JEOL, Shimadzu, CTR Scientific, Distribuidora Rodval s.a. de c.v., Ebíóquim, Químicos y Reactivos de Querétaro S.A. de C.V., Siete Barrios, IS Analítica, Cervecería San Jose, SLP Consejo Potosino de Ciencia y Tecnología, SLP Secretaría de Turismo

The mission of the PSNA is to inspire and foster research and development in the chemistry, molecular biology, biochemistry and systems biology of plant metabolites, their impact upon plant, animal and human physiology and pathology, renewable energy, and their economic utilization and value (www.psna-online.org/). PSNA meetings provide participants with exposure to the cutting-edge research of leading international scientists, but remain small enough to offer an interactive and intimate environment conducive to knowledge exchange and strategic discussion.













The **Arthur C. Neish Young Investigator Award** is presented to young scientists who have just started to develop their independent research careers. This year's Neish Award-ees were **Jennifer Wisecaver**, Purdue University (<https://ag.purdue.edu/biochem/Pages/Profile.aspx?strAlias=jwisecav&intDirDeptID=9>); **Colleen Doherty**, North Carolina State University (<https://cjdoher.wordpress.ncsu.edu/research/>) and **Toshihiro Obata**, University of Nebraska Lincoln (<https://biochem.unl.edu/toshihiro-obata>).



2018 PSNA Neish Award Winners

The Society's effort to stimulate early careers in phytochemistry was also exemplified by the "**Phytochemistry/PSNA Young Investigator Research Grant Award**", which is sponsored by Elsevier and presented biannually to a dynamic young scientist within ten years of receiving their doctoral degree and currently leading an independent research program in the broader areas of phytochemistry at a university, or at a government or not-for-profit research institute. This year's award winner was **Philipp Zerbe from the University of California at Davis**. <https://biology.ucdavis.edu/people/philipp-zerbe>



2018 PSNA-Phytochemistry Young Investigator Award winner Philipp Zerbe

A young member's luncheon was held with a panel discussion with PSNA scientists and exhibitors, which discussed with students and postdocs about various career options.

The poster winners were:

Masters Students:

- Itzel Rubí Yeverino Sánchez, Universidad Nacional Autónoma de México
- Leyde Katerine Gualteros-Montaño, Universidad Nacional Autónoma de México



2018 PSNA Poster Award Winners

PhD Students:

- Lucia Acosta Gamboa, Arkansas Biosciences
- Norma Luna Cruz, Instituto Potosino de Investigación Científica y Tecnológica

If you are an undergrad, graduate student or postdoc, you can indicate if you want your submission to be considered for a Travel Award or a Best Presentation/Poster Award during the submission process.

PSNA 2018 Local Organizing Committee

- Manuel Fermín Villar Rubio (Universidad Autónoma de San Luis Potosí)
- Jorge Fernando Toro Vázquez (Universidad Autónoma de San Luis Potosí)
- Ma. Guadalupe Beatriz Zapata Zapata (Universidad Autónoma de San Luis Potosí, Facultad de Ciencias Químicas)
- Denisse Atenea de Loera Carrera (Universidad Autónoma de San Luis Potosí, Facultad de Ciencias Químicas)
- Rodolfo González Chávez (Universidad Autónoma de San Luis Potosí, Facultad de Ciencias Químicas)
- Lluvia Itzel López López (Universidad Autónoma de Coahuila)
- Cristina Cabrera González (Universidad Autónoma de San Luis Potosí, Facultad de Ciencias Químicas)
- Elva Ceyli Medina Velázquez (Universidad Autónoma de San Luis Potosí, Facultad de Ciencias Químicas)
- Marcela Esmeralda Cervantes Rojas (Universidad Autónoma de San Luis Potosí, Facultad de Ciencias Químicas)
- Vicente Osvaldo Ordorica Rivera (Universidad Autónoma de San Luis Potosí, Facultad del Hábitat)



2018 PSNA Travel Award Winners





**PSNA 2018
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- Deyu Xie (Vice President & President Elect, North Carolina State Univ.)
- Mark Berhow (Immediate Past President, USDA, ARS, NCAUR)
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- Dejan Nikolic (Univ. of Illinois at Chicago)
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- Li Tian (Univ. California, Davis)
- Fred Stevens (Oregon State Univ.)
- Michael Sullivan (USDA, ARS)
- Dorothea Tholl (Virginia Polytechnic Institute and State Univ.)
- Toni Kutchan (Danforth Center)
- Armando Alcazar Magana (Oregon State Univ.)
- Soheil Mahmoud (Univ. British Columbia)
- Philipp Zerbe (Univ. California, Davis)
- Björn Hamberger (Michigan State Univ.)



Next year's meeting will be held July 20-24, 2019 on the campus of East Tennessee State University in Johnson City, Tennessee. Please mark your calendars now!



58th Annual Meeting

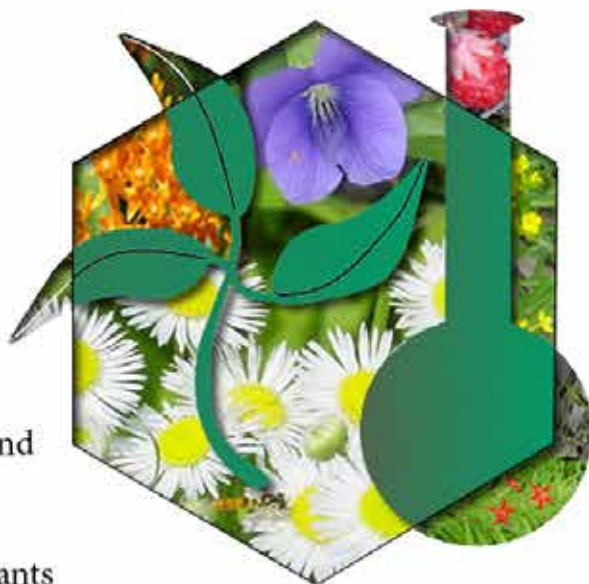
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20-24th July, 2019, Johnson City, TN 37614

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Phytochemical Society of North America
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New Member Application Form

Please fill in the following application and return to the Treasurer with your dues payment. Once your application has been processed, you will receive newsletters and special mailings. You are also eligible for PSNA member discounts on the Recent Advances in Phytochemistry series (See Website).

Payments should be made by one of the following: check drawn on a US checking account, US travelers check, or US money order, International Money Order, Credit Card on the PSNA Website or Paypal payment to psnatreasurer@gmail.com. Please make check or money order payable to the Phytochemical Society of North America.

Credit Card Payment: Paying membership dues online via credit card has now been established. Please select the link from the PSNA homepage to pay by credit card. A paypal account is NOT required but will expedite the process. If using a paypal account, send directly to psnatreasurer@gmail.com

Advance Payment: It is now possible to pay dues in advance. If you wish to take advantage of this feature, please indicate above the years for which you would like to pay in advance.

Dues schedule: Regular member - \$60.00 per year
Student member - \$30.00 per year

Return this statement along with your payment to:

Dhirendra Kumar, Ph.D.
423 Brown Hall Box 70703
East Tennessee St. Univ.
Johnson City, TN 37614 USA
kumard@etsu.edu

Name (Dr., Mr., Mrs., Ms.):

Mailing Address: Line 1: _____

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