MARGARET SKINNER, Research Professor and Extension Entomologist

March 1, 2020

Affiliation: Department of Plant & Soil Science, The University of Vermont

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Education:

University of Vermont	Ph.D.	1987 - 1993	Major: Entomology
University of Vermont	M.S.	1984 - 1987	Major: Entomology
Ohio Wesleyan University B.A.		1968 - 1972	Major: Sociology
American Univ. of Beirut, Beirut, Lebanon		1971	Junior Year Abroad

Work Experience:

For 35 years I have been an integral member of the Entomology Research Laboratory, which represents a team of scientists committed to developing effective biological control and IPM strategies for forest, greenhouse and vegetable insect pests. Insect pest problems are addressed with an interdisciplinary approach, using insights drawn from a diverse group of senior scientists, the assistance of specialized technicians, and graduate students. Emphasis is placed on practical aspects of research to solve 'real world' problems. Though focused on agricultural problems of Vermont and the Northeast region, our projects have national and international significance as well. Through our work we attempt to develop management options that are environmentally sound, economically viable and sustainable, and encourage their implementation through extension and education.

1993 - present Research Full Professor & Extension Entomologist (2009); Res. Assoc. Prof. & Ext. Entomologist (2001-2008), Research Assistant Professor & Extension Entomologist (1993-2001)

Conduct/ed research on biological control, entomopathogenic fungi and IPM of a wide array of arthropod pests in forests, vegetable crops and greenhouse ornamentals and cut flowers. Work has included lab, greenhouse and field trials with western flower thrips, silverleaf whiteflies and spider mites; biological control of Sunn Pest in West Asia and greenhouse pests in Lebanon and Colombia; lab and forest trials with winter ticks lecanium and elongate hemlock scale, thrips and hemlock woolly adelgid, Asian longhorned beetle, pear thrips, and fungal trials with brown marmorated stink bug and tarnished plant bug. Coordinate Tri-state IPM educational program for greenhouse growers and regional public awareness programs on the Asian longhorned beetle and hemlock woolly adelgid. Founded the **North American Center for Saffron Research and Development**, that supports research and outreach to growers throughout the US and Canada regarding this high value crop. Prepare >18 proposals per year in collaboration with other Lab team members to support our ongoing research, generating >\$300,000 annually. Provide administrative oversight for >25 externally funded research projects annually at the Entomology Research Lab and Saffron Center.

2018 - present Adjunct Faculty, Biology Dept., American University of Beirut, Beirut, Lebanon.

Conduct research on biological control and IPM of arthropod pests in greenhouse ornamentals and vegetables; carry out training on IPM for growers, agricultural engineers and graduate/undergraduate level.

1984 - 1993 Research Technician - Univ. of Vermont Entomology Research Laboratory

1974 – 1988 Human service provider for developmentally disabled adults in residential and vocational settings to promote independence.

Awards, Memberships and Certificates:

- Northern Tri-State New England Greenhouse Advisory Group, coordinator, 1996-present
- Innovation Marketplace Award for Sunn Pest Research from CGIAR (\$30,000 award), 2006
- Outstanding Research Team: Sunn Pest IPM: Int. Ctr for Agric. Res. in Dry Areas, 2005
- Outstanding Research Manuscript: Int. Ctr for Agric. Res. in Dry Areas, 2005
- VT Tree Steward Award for Leadership, VT Urban & Community Forestry Council, 2005
- Greenhouse and Ornamentals Commodity Work Group, co-leader. 2001-present
- Vermont Forest Pest Management Award for Service and Excellence, 1999
- National Science Advisory Committee for the Asian Longhorned Beetle, 1996-present

Author or Co-author of over 100 Refereed Publications (2014-Present)

- Parker, B.L., M. Skinner & C.F. Sullivan. 2019. A Managers Guide to Integrated Pest Management for Vegetable Production in Greenhouses. In press.
- Parker, B.L., M. Skinner & C.F. Sullivan. 2019. A Managers Guide to Integrated Pest Management for Vegetable Production in Greenhouses. Arabic translation. In press.
- Parker, B.L., M. Skinner & C.F. Sullivan. 2019. A Managers Guide to Integrated Pest Management for Vegetable Production in Greenhouses. Farsi translation. In press.
- Daher, S., Y. Abou Jawdeh, M. Haider, A. Abou Haidar, B. Parker, M. Skinner & I. P. Saoud. 2019. Integrating Agriculture with Aquaculture and Biological Pest Management- Does it Work? World Aquaculture, December: 58-61.
- Trissi, A.N., M. El-Bouhssini, **M. Skinner** & B.L. Parker. **2019.** Sublethal effect of *Beauveria bassiana* on feeding and fecundity of the sunn pest, *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae). Bulletin OEPP/EPPO 8 pp.
- **Skinner, M.,** B.L. Parker & C.F. Sullivan. **2019**. Chapter 31. Integrated Pest Management in Greenhouse and Other Protected Cultivation Systems. In: Current and Future Developments in IPM; Eds: M. Kogan & L. Higley, Burleigh Dodds Science Publ. Cambridge, UK.
- **Skinner, M.**, J. Rubin, J. Gorres & B.L. Parker. **2018**. Do invasive worms threaten Northeast Maple Forests? Maple Syrup Digest. Vol. 57.
- Davari, A., **M. Skinner**, B.L. Parker. **2018**. Cell fusion to improve efficacy and thermotolerance of the entomopathogenic fungus *Beauveria bassiana*. Appl. Microbiol. 125(5): 1482-1493.
- **Skinner, M.**, S. Gouli, A. Davari & B.L. Parker. **2018**. Insect-killing Fungi and Marigolds team up to Guard your Ornamentals from Western Flower Thrips. Amer. Floral Endowment Newsletter. http://endowment.org/botrytis-thrips/
- Lee, S.J., J.S. Yu, **M. Skinner**, B.L. Parker & J.S. Kim. **2016**. Screen bag formulations (SBF) of entomopathogenic *Beauveria* and *Metarhizium* conidia from granular substrates to control *Riptortus pedestris*. J. Asia-Pacific Ent. 19: 887-892. DOI: 10.1016/j.aspen.2016.08.005.
- Parker, B.L., M. Skinner, C. Frank Sullivan & C.A. Smith. 2016. Greenhouse Manager's Guide to Integrated Pest Management in Northern New England Revised and Expanded. Entomology Research Laboratory, University of Vermont, Burlington, VT. 111 pp. I-book and E-book will soon be available at: http://www.uvm.edu/~entlab/
- Parker, B.L., **M. Skinner**, S. Gouli, V. Gouli & J.S. Kim. **2015**. Virulence of BotaniGard to second instar brown marmorated stink bug, *Halyomorpha halys* (Stal) (Heteroptera: Pentatomidae). Insects 6: 319-324. Doi:10.3390/insects6020319
- Lee, S.J., J.S. Yu, B.L. Parker, **M. Skinner**, Y.H. Je & J.S. Kim. **2015**. Production of cecropin A in *Tenebrio molitor* (Coleoptera: Tenebrioinidae) by transformed *Beauveria bassiana*. J. Industrial Microbiology & Biotechnology. 42:151-156.
- Parker, B.L., **M. Skinner**, S. Gouli, J.S. Kim & V.V. Gouli. **2015**. Persistence of pear thrips-active fungal strains of *Beauveria bassiana* and *Metarhizium anisopliae* in Vermont sugar maple forest soil. Biocontrol Science & Tech. 25: 768-788. http://dx.doi.org/10.1080/09583157.2015.1016895.
- Lee, S.J., J.S.Yu, Y-S Nai, B.L. Parker, **M. Skinner** & J.S. Kim. **2015**. *Beauveria bassiana* sensu lato granuales for management of brown planthopper, *Nilaparvata lugens* in rice. Biocontrol 60: 263-270.
- Chen, M.-S., S. Wheeler, H. Davis, R.J. Whitworth, A. Knutson, K.L. Giles & M. Skinner. 2014.

 Molecular markers for identification of Hessian fly males caught on sticky pheromone traps. J. Econ.

- Entomol. 107: 1110-1117.
- Kim, J.S., S.J. Lee, **M. Skinner**, B.L. Parker, B-T. Oh & K-J. Lee. **2014**. Relationship between endospore viability and insecticidal potency of *Bacillus thuringiensis* subsp. Aizawai NTO423. Biological Control 58 (5): 607-614.
- Parker, B.L., M. Skinner & M. El Bouhssini. 2014. Entomopathogenic Fungi for IPM: A Manual for Development. International Center for Agricultural Research in the Dry Areas, Aleppo Syria. 170 pp.
- Kim, J.S., S.J. Lee, **M. Skinner** & B.L. Parker. **2014.** A novel approach: *Beauveria bassiana* granules applied to nursery soil for management of rice water weevils in paddy fields. Pest Management Science 70 (8): 1186-1191. Doi: 10.10002/ps.3817.
- **Skinner, M.**, B.L. Parker & J.S. Kim. **2014.** Role of Entomopathogenic Fungi in Integrated Pest Management, Chap. 10, pp. 169-192. *In*, D.P. Abrol (ed.), Integrated Pest Management, Current Concepts and Ecological Perspective. Invited author, Elsevier/ Academic Press.

Author or co-author of 100s of non-refereed publications and presentations (2014-Present)

- **Skinner, M.** A. Ghalehgolabbehbahani & B.L. Parker. **2020**. Field production of saffron in Vermont. Poster. Proc. 4th Annual Saffron Workshop, 12 March 2020. Burlington, VT.
- **Skinner, M.,** C.F. Sullivan & E. Sanchez. **2020.** Habitat plants to support beneficials in high tunnels: The best things in life are free. In: Proc. Mid-Atlantic Fruit & Vegetable Convention, 28-30 Jan. Hersey, PA. PA Veg. Growers Assoc. pp: 78-79.
- Ghalehgolabbehbahani, A., **M. Skinner** & B.L. Parker. **2020.** Saffron: A high value crop for increasing farm revenues. In: Proc. Mid-Atlantic Fruit & Vegetable Convention, 28-30 Jan. Hersey, PA. PA Veg. Growers Assoc. pp. 80-82.
- **Skinner**, M., B.L. Parker &A. Ghalehgolabbehbahani. **2020**. Saffron by the numbers, 28 Jan. 2020. North Amer. Center for Saffron Research & Development, Univ. of VT, Burlington VT. 1 p.
- **Skinner, M.,** A. Davari, C.E. Frank Sullivan, S. Gouli, A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Biological control of Western flower thrips (WFT), *Frankliniella occidentalis* using a self-sustaining granular fungal treatment. University of Vermont, Entomology Research Laboratory, Burlington, VT.
- **Skinner, M.** & C.F. Sullivan. **2019.** Native Solitary Bees and How to Support Them. Univ. of VT, Entomology Research Laboratory, Burlington, VT. 2 pp.
- Davari, A., **M. Skinner** & B.L. Parker. **2019**. Evaluation of *Beauveria bassiana* isolate ERL 836 GR for management of western flower thrips (WFT). Univ. of VT Entomol. Research Lab, Burlington, VT.
- **Skinner, M.,** A. Davari & B.L. Parker. **2019**. Ultraviolet Light for Integrated Pest Management of Western Flower Thrips. Amer. Floral Endowment Newsletter. https://endowment.org/botrytis-thrips/
- **Skinner, M.** A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: The Next Best Thing for Crop Diversification. Mid Atlantic Vegetable & Berry Conference. 10 Dec. 2019. Manchester, NH.
- **Skinner, M.,** A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Where can you order saffron corms?, 6 Dec. 2019. North Amer. Center for Saffron Research & Development, Univ. of VT, Burlington VT.
- **Skinner**, M., A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: A Good Fit for New England. Farmer-to-Farmer Conf., Maine Organic Farmers & Gardeners Assoc. 4 Nov. 2019. Northport, ME.
- **Skinner, M.** & C. F. Sullivan. **2019**. IPM for High Tunnel Vegetables: Practical Pathways for Organic Crop Protection. Farmer-to-Farmer Conf., Maine Organic Farmers & Gardeners Assoc. 4 Nov. Northport, ME.
- **Skinner**, M., A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: A Golden Opportunity for Diversified Farmers. Grantham Garden Club, 13 Sept 2019. Grantham NH.
- Ghalehgolabbehbahani, A., M. Skinner, P. Reese & B.L. Parker. 2019. Saffron: A high value crop for Diversified Farmers. 28 Oct. Univ. of Vermont Oser Lifelong Learning Institute. Burlington, VT.
- Ghalehgolabbehbahani, A., **M. Skinner**, P. Reese & B.L. Parker. **2019.** Saffron Research Tour. 31 Oct. Univ. of Vermont Oser Lifelong Learning Institute. Burlington, VT.
- **Skinner**, M., C.F. Sullivan & E. Sanchez. **2020.** Habitat plants to support beneficials in high tunnels: The best things in life are free. Penn State Univ., 13-14 Aug. State College, PA.
- **Skinner**, M., A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: The Next Best Thing for Crop Diversification. Penn State Univ., 13-14. State College, PA.
- **Skinner, M.,** A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: A Golden Opportunity for Diversified Farmers. UVM Hort. Research Center Open House. 6 August 2019. So. Burlington, VT.

- Sullivan, C.F. & M. Skinner. 2019. How to create pollinator friendly landscapes: Part 1. Pollination: The Bees Have It. Webinar. UVM Extension. Burlington, VT.
- Sullivan, C.F. & M. Skinner. 2019. How to create pollinator friendly landscapes: Part 2. Protect the Pollinators: To Know them is to Save Them. Webinar. UVM Extension. Burlington, VT.
- **Skinner, M.,** A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Factsheet: Saffron: A Golden Opportunity, North Amer. Center for Saffron Research & Development, Univ. of VT, Burlington VT.
- Parker, B.L., A. Davari, A. Ghalehgolabbehbahani & M. Skinner. 2019. Entomopathogenic fungi for IPM of onion thrips. UVM Hort. Research Center Open House. 6 August 2019. So. Burlington, VT.
- Ghalehgolabbehbahani, A., **M. Skinner** S. Yates & B.L. Parker. **2019**. Saffron Solar: A Win/Win Partnership; Saffron: Production Progress & Market Promise, 15 March 2019, Burlington, VT.
- **Skinner**, M., A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: A Golden Opportunity for Diversified Farmers. Shelburne Garden Club. 12 March 2019. Shelburne, VT.
- **Skinner, M.**, A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron Biology & Production in Cold Climates. 3rd Annual Saffron Workshop. Saffron: From Production to Processing, 16 March 2018, Burlington, VT.
- Ghalehgolabbehbahani, A., **M. Skinner** S. Yates & B.L. Parker. **2019.** Saffron Solar: A Win/Win Partnership; 3rd Annual Saffron Workshop. Proc. Saffron: Production Progress & Market Promise, 15 March 2019, Burlington, VT.
- **Skinner, M.**, B.L. Parker, C.F. Sullivan & A. Davari. **2019.** Advances in IPM for Protected Agriculture: Plant-Mediated IPM Systems. IPM Training for Organic Farmers. 21 Feb. 2019. Beirut, Lebanon.
- Sullivan, C.F. & M. Skinner. 2019. Bringing in Un-Bee lievable Beneficials. VT Nursery and Landscapers Assoc. Winter Meeting. 7 Feb. 2019. Burlington, VT.
- **Skinner**, M., A. Ghalehgolabbehbahani & B.L. Parker. **2019**. Saffron: A Golden Opportunity for Diversified Farmers. VT Greenhouse IPM Workshop 10 Jan. 2019. Burlington, VT.
- Sullivan, C.F. & M. Skinner. 2019. Bringing in Un-Bee-lievable Beneficials. The Dirt Vol. 44: 23-24.
- **Skinner, M.** & A. Davari. **2019**. Cooking with Saffron. Univ. of VT. North American Center for Saffron Research & Development. Burlington, VT. 2 p.
- **Skinner, M.**, S. Gouli, A. Davari & B.L. Parker. **2018**. Insect-killing Fungi and Marigolds team up to Guard your Ornamentals from Western Flower Thrips. Amer. Floral Endowment Newsletter. http://endowment.org/botrytis-thrips/
- Sullivan, C.E., **M. Skinner** & B.L. Parker. **2019**. What have we been up to in 2018? Univ. of VT Entomology Research Laboratory, Burlington, VT
- Parker, B.L., **M. Skinner** & A. Davari. **2018.** Sunn Pest: Entomopathogenic Fungi Past Progress and Future Directions. Dept. of Agricultural Biology, Chonbuk National University, Jeonju, South Korea.
- **Skinner, M.,** B.L. Parker & A. Ghalehgolabbehbahani.**2018.** Summer Sampling of your Saffron Bed for Corm Survival. Univ. of VT. North American Center for Saffron Research & Development. Burlington, VT. 1 p.
- **Skinner**, M., B.L. Parker & A. Ghalehgolabbehbahani. **2018.** Harvesting and Processing Saffron Flowers. Univ. of VT. North American Center for Saffron Research & Development. Burlington, VT. 2 p.
- **Skinner, M.,** B.L. Parker & A. Ghalehgolabbehbahani.**2018.** Saffron: A Golden Opportunity for Diversified Farmers. Univ. of VT. North American Center for Saffron Research & Development. Burlington, VT. 2 p.
- Davari, A. & M. Skinner. 2018. Cooking with Saffron. Univ. of VT. North American Center for Saffron Research & Development. Burlington, VT. 2 p.
- Sullivan, C.F. & M. Skinner 2018. Plant Mediated IPM Systems 101. A Pictionar-based Webinette. https://www.youtube.com/watch?v=ucVhodEhMhk&feature=youtu.be
- **Skinner**, M., B.L. Parker, C.F. Sullivan & A. Davari. **2018.** Advances in IPM in Protected Agriculture: Plant-mediated IPM Systems for Thrips. Rionegro Colombia.
- B.L. Parker, M. Skinner & A. Davari. 2018. A New Innovative Method for Western Flower Thrips Management using UV Light. Rionegro Colombia.
- **Skinner**, M., B.L. Parker & A. Ghalehgolabbehbahani. **2018**. Saffron: A Golden Opportunity for Small Diversified Farmers. 1 June 2018, Annual Meeting, Herb Society of America, Tarrytown, NY.
- Ghalehgolabbehbahani, A., M. Skinner & B.L. Parker. 2018. Saffron Biology & Production in Cold Climates. Saffron: From Production to Processing, 16 March 2018, Burlington, VT.

- Parker, B.L., **M. Skinner**, A. Razavi & A. Ghalehgolabbehbahani. **2018**. How to Balance your Saffron?, 15 Nov. 2018. North Amer. Ctr. for Saffron Research & Development, Univ. of VT, Burlington VT.
- Sullivan, C.F., M. Skinner, A. Wallingford & C. Glenister. 2018. High Tunnel Conference Insect Id Session. Expand Your Tunnel Vision II: 2018 High Tunnel Prod. Conf. 3 Dec. 2018 Manchester, NH.
- Sullivan, C.F. & M. Skinner. 2018. Lessons Learned from 5 years of Routine High Tunnel Scouting for Insect Pests and Natural Enemies. Expand Your Tunnel Vision II: 2018 High Tunnel Production Conference. 4 Dec. 2018 Manchester, NH.
- **Skinner, M.,** A. Ghalehgolabbehbahani & B.L. Parker. **2018**. Saffron: A Golden Opportunity for Diversified Farmers. Expand Your Tunnel Vision II: 2018 High Tunnel Production Con. 4 Dec. 2018 Manchester, NH.
- **Skinner**, M., B.L. Parker & A. Ghalehgolabbehbahani. **2017**. Saffron: A Good Fit for New England? New England Vegetable & Fruit Conference, 12 Dec. 2017, Manchester, NH, Proc. pp. 118-120.
- Ghalehgolabbehbahani, A., **M. Skinner** & B.L. Parker. **2017**. Growing saffron in Vermont high tunnels. Saffron Workshop, 9 March 2017, Burlington, VT.
- **Skinner, M.,** A. Ghalehgolabbehbahani & B.L. Parker. **2017**. Drying Saffron, 24 Oct. North Amer. Center for Saffron Research & Development, Univ. of VT, Burlington VT. 2 pp.
- Ghalehgolabbehbahani, A., **M. Skinner** & B.L. Parker. **2017**. Disease, insect & rodent issues in VT saffron production. Saffron Workshop, 9 March 2017, Burlington, VT.
- Parker, B.L. & M. Skinner. 2017. What does the future hold for saffron? Saffron Workshop, 9 March 2017, Burlington, VT.
- **Skinner, M.**, C. F. Sullivan & **B.L. Parker**. **2017**. Plant Mediated IPM. 2017 Capital Region Bedding Plant Conference, 23 Jan. 2017. Voorheesville, NY.
- Sullivan, C.F., **M. Skinner** & A. Eaton. **2017**. Pests & Natural Enemies. Water Worries: Woes and Foes. Greenhouse IPM Workshop, 4 Jan. 2017. Manchester, ME.
- Sullivan, C.F., **M. Skinner** & A. Eaton. **2017**. Pests & Natural Enemies. Water Worries: Woes and Foes. Greenhouse IPM Workshop, 4 Jan. 2017. Durham, NH.
- Sullivan, C.F., **M. Skinner** & A. Eaton. **2017**. Pests & Natural Enemies. Water Worries: Woes and Foes. Greenhouse IPM Workshop, 4 Jan. 2017. Burlington, VT.
- Sullivan, C.F. & M. Skinner. 2017. Habitat Plants to Attract Natural Enemies into High Tunnel Crops. New England Vegetable & Fruit Conference, Dec. 14, 2017, Manchester, NH, Proc. p. 272.
- **Skinner**, M. 2017. Entomology 201 for Advanced Master Gardeners: Knowing the Good from the Bad, Insects from Diseases and how to promote IPM, Burlington, VT.
- **Skinner, M. 2017.** Entomology 101 for Beginning Master Gardeners: Knowing the Good from the Bad and using IPM to Improve Production. 21 Feb, 2017, Burlington, VT.
- **Skinner, M.**, B.L. Parker, C.F. Sullivan & A. Ghalehgolabbehbahani. **2017**. Survey of Needs and Priorities for Saffron Research and Development. 6 March 2017. North American Center for Saffron Research and Development, Burlington, VT. 2 pp.
- Davari, A. & M. Skinner. 2017. Enjoying Saffron in the Kitchen. North American Center for Saffron Research and Development, Burlington, VT. 2 pp.
- Sullivan, C.E.F., **M. Skinner** & B.L. Parker. **2017**. What have we been up to in 2016? UVM Entomology Research Lab., Burlington. 2 pp.
- **Skinner**, M., B.L. Parker & A. Ghalehgolabbehbahani. **2017.** Saffron (*Crocus sativus* L.): A New Alternative Crop for Vermont High Tunnels. Research Summary. No. Amer. Center for Saffron Research and Development, Burlington, VT. 2 pp.
- **Skinner**, M., Y. Abou Jawdeh & B.L. Parker. **2017.** Promising results with IPM for Greenhouse Vegetables in Lebanon. 20 April, 2017, Byblos, Lebanon.
- **Skinner**, M., Y. Abou Jawdeh & B.L. Parker. **2017.** Promising results with IPM for Greenhouse Vegetables in Lebanon. 21 April, 2017, Sidon, Lebanon.
- **Skinner**, M., C. F. Sullivan, E. Sanchez, K. Ayers, M. Hutton & J. Lilley. **2016.** Using Biocontrols for Insect Pests in High Tunnels. Proc. Mid-Atlantic Fruit & Veg. Con., 2-4 Feb. Hersey, PA. pp. 28-30.
- Liechty, S., M. Skinner & A. Ghalehgolabbehbahani. 2016. The secrets of Saffron. Herb Soc. Of America, Webinar. 22 September 2016.
- **Skinner, M.,** A. Ghalehgolabbehbahnai & B.L. Parker. **2016.** Saffron: A High Value Crop for Northern High Tunnels. Tri-State Greenhouse IPM Program Hands-On Workshop, 20 Jan. 2016, Durham, NH.

- **Skinner**, M., A. Ghalehgolabbehbahnai & B.L. Parker. **2016.** Saffron: A High Value Crop for Northern High Tunnels. Tri-State Greenhouse IPM Program Hands-On Workshop, 21 Jan., Burlington, VT.
- **Skinner**, M., C. F. Sullivan, E. Sanchez, K. Ayers, M. Hutton & J. Lilley. **2016.** Common Natural Enemies in High Tunnels. Proc. Mid-Atlantic Fruit & Vegetable Convention, Hersey, PA, pg. 31-32.
- **Skinner, M.,** C. F. Sullivan & B.L. Parker. **2016.** Raspberry Discussion Time: I Have Thrips Galore, and I Don't Want More. Proc. Mid-Atlantic Fruit & Vegetable Convention, Hersey, PA, pp. 140-142.
- Cantrell, C.L., **M. Skinner**, A. Ghalehgolabbehbahani & V.D. Zheljazkov. **2016**. Bioactive natural products from high-value and aromatic crops. Int. Symp. Saffron Biology & Technology, 24-26 Nov. 2016. Int. Soc. for Horticultural Sci., Agadir, Morocco.
- **Skinner, M.**, B.L. Parker & A. Ghalehgolabbehbahani. **2016**. Saffron: A Golden Opportunity for Crop Diversification. New England Greenhouse Conference, 9 Nov. 2016, Boxborough, MA.
- **Skinner, M.** C.F. Sullivan & B.L. Parker. **2016**. Plant-mediated Systems for Biological Control in Greenhouse IPM. Conference on Pesticide Reduction Through IPM in Greenhouse Vegetable Production, Agricultural Research Center, Plant Protection Research Institute, Giza, Egypt.
- **Skinner, M.**, B.L. Parker, V. Gouli & S. Gouli. **2015.** Hemlock Woolly Adelgid: A Hard Nut to Crack. Oct. 2015. Webinar hosted by NE States Research Cooperative, Burlington, VT. https://vimeo.com/144122016
- Tobi, D., B.L. Parker, S. Wanderlich & M. Skinner. 2015. Conifer root aphid: An emerging Pest for Christmas Tree Growers., Ann. Winter Mt. VT/NH Christmas Tree Growers Assoc. Essex, VT.
- **Skinner, M.** & C.E.F. Sullivan. **2015.** Taking Action with Integrated Pest Management. UVM Entomology Research Lab., Burlington. 4 pp.
- Parker, B.L., D. Tobi, S. Wanderlich & M. Skinner. 2015. Biological Control of Conifer Root Aphids in Christmas Trees: An Update. UVM Entomology Res. Lab., Burlington. 2 pp.
- Sullivan, C.E.F., **M. Skinner** & B.L. Parker. **2015**. What have we been up to in 2014? UVM Entomology Research Lab., Burlington. 2 pp.
- **Skinner**, M., C.E.F. Sullivan & B.L. Parker. **2015.** Murdering Thrips with Marigolds, Fungi & Mites. UVM Entomology Research Lab., Burlington. 2 pp.
- Parker, B.L., M. Skinner & D. Tobi. **2014.** Soap Bubbles: A Novel Approach for Energy Conservation. https://www.youtube.com/watch?v=yRAzv44cEJw&feature=youtu.be
- Parker, B.L., **M. Skinner**, D. Tobi, C.F. Sullivan & P.N. Skinner. **2014.** Novel Approaches to Improve Energy Efficiency in No. New England Greenhouses. UVM Entomology Res. Lab, Burlington. 2 pp.
- Parker, B.L., **M. Skinner** & D. Tobi. **2014.** Retrofitting a Greenhouse for Energy Conservation. UVM Entomology Research Laboratory, Burlington. 7 pp.
- **Parker, B.L.**, M. Skinner & S. Gouli. **2014**. Worldwide Collection of Entomopathogenic and Antagonistic Fungi at the Entomology Research Lab, Univ. of VT. Dongbu Farm Hannong Co. Ltd.
- **Skinner,** M., B.L. Parker, S. Gouli, C.F. Sullivan, A. Davari & J.S. Kim. **2014**. Pest Management with Microbials in Agricultural Sectors of North America. Int. Symp. on Devel. & Practical Use of Microbial Agents for Farming. 4 Nov, 2014. Agric. Microbiology Div., Rural Dev. Admin., Nat. Acad. of Agric. Sci. South Korea.
- **Skinner**, M. & B.L. Parker. **2014.** Ecological Pest Management: The Only Way to Go!, 24 April 2014. Burlington Healthy Lawns, Healthy Lives Initiative. Burlington Parks Dept., Burlington, VT.
- Parker, B.L., **M. Skinner**, D. Tobi & S. Wanderlich. **2014**. General facts about conifer root aphids and management considerations. UVM Entomol. Research Lab., Burlington. 2 pp.
- **Skinner, M.,** C. Frank & R. Valentin. **2014.** Aphid Banker Plant System for Greenhouse IPM, Step by Step. Entomology Research Laboratory, Burlington. 4 pp.
- **Skinner, M.,** C. F. Sullivan & B.L. Parker. **2014.** Insect pest management in greenhouse vegetables: A process of elimination. Proc. Mid-Atlantic Fruit & Veg. Con., Hersey, PA, Jan. 28-30, pp. 60-62.
- **Skinner, M.,** C. F. Sullivan & B.L. Parker. **2014.** Banker plants for aphid management in high tunnels: a new hope. Proc. Mid-Atlantic Fruit & Veg. Con., Hersey, PA, pp. 178-179.
- **Skinner**, M., C. Sullivan & B.L. Parker. **2014**. Plant-mediated IPM systems: an option for greenhouses and tunnels. Vegetable Growers News 48: 3.
- **Skinner**, M., B.L. Parker, C.F. Sullivan & S. Gouli. **2014.** Advances in IPM in Protected Agriculture: Granular formulations of insect-killing fungi with plant mediated IPM systems for thrips. Doha, UAE.