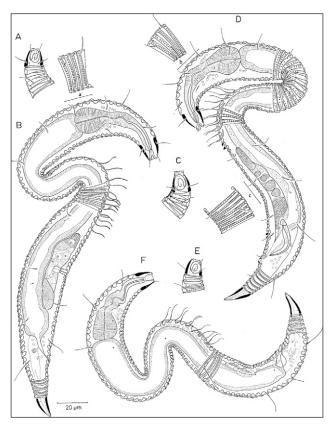
JOURNAL of NEMATOLOGY

The Official Journal of The Society of Nematologists

Volume 47, Number 1, March 2015



Example of an informative illustration of a species description for Epsilonema oodamphids

> Journal of Nematology 47(1):1–86 (2015) Hanover, Pennsylvania

JOURNAL OF NEMATOLOGY

THE OFFICIAL JOURNAL OF THE SOCIETY OF NEMATOLOGISTS

EDITORIAL BOARD

Editor-in-Chief

Nancy Kokalis-Burelle, 2014. USDA-ARS, Ft. Pierce, FL

Editors

Andreas Westphal, 2014. Julius Kühn-Institut, Münster, Germany

Zafar Handoo, 2014. USDA-ARS, Beltsville, MD

James LaMondia, 2014. The Connecticut Agricultural Experiment Station, Windsor, CT

David Shapiro-Ilan, 2014. USDA-ARS, Byron, GA

Inga Zasada, 2014. USDA-ARS, Corvallis, OR

William Crow, 2015. University of Florida, Gainesville, FL

Abigail Walter, 2015. Swedish University of Agricultural Sciences

Salliana Stetina, 2015. USDA-ARS, Stoneville, MS

Sergei Subbotin, 2015. California Department of Food and Agriculture, Sacramento, CA

Erik J. Ragsdale, 2016. Max Planck Institute, Tübingen, Germany

Axel Elling, 2016. Bayer CropScience, Morrisville, NC

Richard F. Davis, 2016. USDA-ARS, Tifton, GA

Andrea M. Skantar, 2017. USDA-ARS, Beltsville, MD

Christine Griffin, 2017. National University of Ireland, Maynooth, Co. Kildare, Ireland

Jyotsna Sharma, 2018. University of Texas at San Antonio, TX

Published by the Society of Nematologists

President: Stephen Thomas President Elect: Byron Adams Vice-President: Patricia Timper Secretary: Andrea Skantar Editor-in-Chief: Nancy Kokalis-Burelle Executive Member: Nathan Schroeder Executive Member: Horacio Lopez Nicora

Executive Member: Paulo Vieira

Treasurer: Senyu Chen Webpage/Newsletter Editor: Roxana Myers

Journal of Nematology (ISSN 0022-300X) is published quarterly by The Society of Nematologists. For other information, visit: http://www.nematologists.org

Mention of a pesticide, cultivar, or commercial or proprietary product does not constitute a recommendation or an endorsement of its use by editors, author(s), their institutions, or The Society of Nematologists. Authors are responsible for statements made in the Journal, whether of fact or opinion.

Printed by The Sheridan Press, 450 Fame Ave., Hanover, PA 17331.

Sustaining Associates of THE SOCIETY OF NEMATOLOGISTS

A&L Southern Agricultural Laboratories

David Sui (ddsui@al-southern.com) Pompano Beach, FL

Ajay North America, LLC

Mark Leafgreen (lefgrenm@bellsouth.net) Powder Springs, GA

Arvesta

Charles T. Schiller (cschiller@arvesta.com) Cary, NC

BASF Plant Science LLC

Volker Mittendorf (volker.mittendorf@basf.com) Research Triangle Park, NC

Bayer Crop Science

Lee S. Hall (lee.hall@bayercropscience.com) Research Triangle Park, NC

Divergence, Inc.

James P. McCarter (mccarter@divergence.com) St. Louis, MO

Dow Agro Sciences

James P. Mueller (jpmueller@dow.com) Brentwood, CA

DuPont Crop Protection

Michel A. Rivera (michel.a.rivera@usa.dupont.com) Newark, DE

Pasteuria BioSciences, LLC

Kelly Smith (ksmith@pasteuriabio.com) Alachua, FL

Pest Pros, Inc.

Randy Van Haren (pestpros@uniontel.net) Plainfeld, WI

Syngenta Crop Protection, Inc.

David Long (david.long@syngenta.com) Greensboro, NC

Sustaining associate members help support The Society of Nematologists (SON) through their financial assistance, knowledge, expertise, and professional involvement in the science of nematology. For information about these companies or if you would like to become a sustaining associate member, contact a member of the Executive Board, or the SON Business Office (societyofnematologist@gmail.com).

Annual membership in the Society of Nematologists is \$60 US for regular members, \$30 for students, and \$500 for Sustaining Associates. Payment must be with a check in US currency drawn on a US bank or by Visa or MasterCard. A fee of \$9.95 will be added to all transactions. The Nematology Newsletter is included in the membership dues for regular and student members. Institutional Subscription rates are \$140/yr in the United States and \$160 outside the US. This and other information can be found at the Society's website: http://www.nematologists.org.

BACK ISSUES OF JOURNAL OF NEMATOLOGY

Vols. 21–34 (1989–2002). Price per issue includes postage and handling. Members: \$10.00; Nonmembers: \$40.00. Please indicate volumes desired and send check, money order, or credit card (VISA or MasterCard) account number and expiration date to the Society of Nematologists, Inc., 108 West Burwell Avenue, Loundonville, OH 44842

CONTENTS

JOURNAL OF NEMATOLOGY

Vol. 47, No. 1 March 201	5
Invited Review Papers Free-Living Aquatic Nematodes	
Utility of Classical α-Taxonomy for Biodiversity of Aquatic Nematodes. Wilfrida Decraemer and Thierry Backeljau	1
Experimental Studies with Nematodes in Ecotoxicology: An Overview. Arne Hägerbäumer, Sebastian Höss, Peter Heininger, and Walter Traunspurger	1
Free-Living Nematodes in the Freshwater Food Web: A Review. Nabil Majdi and Walter Traunspurger	8
Contributed Papers	
Ecology	
Effect of Storage Environment on Hatching of the Cyst Nematode <i>Globodera ellingtonae</i> . RUSSELL E. INGHAM, DUNCAN KROESE, AND INGA A. ZASADA	5
Entomopathogenic Nematodes	
Descriptions of <i>Deladenus albizicus</i> n. sp. and <i>D. processus</i> n. sp. (Nematoda: Hexatylina) from Haryana, India. V. V. S. Tomar, Vishal S. Somvanshi, and Harish K. Bajaj	2
Pathogenicity of Two Species of Entomopathogenic Nematodes Against the Greenhouse Whitefly, <i>Trialeurodes vaporariorum</i> (Hemiptera: Aleyrodidae), in Laboratory and Greenhouse Experiments. NASTARAN REZAEI, JAVAD KARIMI, MOJTABA HOSSEINI, MORTEZA GOLDANI, AND RAQUEL CAMPOS-HERRERA	0
Taxonomy	
Margollus bokanicus n. sp. from Iran, the Fourth Species of a Rare Nematode Genus (Dorylaimida, Tylencholaimellidae). Amir Pachideh, Gholamreza Niknam, Habibeh Jabbari, and Reyes Peña-Santiago	7
Resistance	
Broad <i>Meloidogyne</i> Resistance in Potato Based on RNA Interference of Effector Gene 16D10. PHUONG T. Y. DINH, LINHAI ZHANG, HASSAN MOJTAHEDI, CHARLES R. BROWN, AND AXEL A. ELLING 72	1
Suitability of Zucchini and Cucumber Genotypes to Populations of <i>Meloidogyne arenaria</i> , <i>M. incognita</i> , and <i>M. javanica</i> . Manuel López-Gómez, Elena Flor-Peregrín, Miguel Talavera, and Soledad Verdejo-Lucas	9
Note	

First Report of Northern Root-Knot Nematode, Meloidogyne hapla, Parasitic on Oaks, Quercus brantii and

Q. infectoria in Iran. Effat Sohrabi, Zahra Tanha Maafi, Parisa Panahi, and Shapour Barooti ----- 86