

---

## Editorial Board

### Editor-in-Chief

Luis Sequeira  
Department of Plant Pathology  
University of Wisconsin  
Madison, Wisconsin 53706 U.S.A.

---

### Senior Editors

#### for procaryote pathology

Stephen K. Farrand  
Department of Plant Pathology  
University of Illinois  
N-519 Turner Hall  
1102 South Goodwin Avenue  
Urbana, Illinois 61801 U.S.A.

#### for procaryote symbiosis

Desh Pal S. Verma  
Biotechnology Center  
The Ohio State University  
Rrightmire Hall  
1060 Carmack Road  
Columbus, Ohio 43210 U.S.A.

#### for fungus-plant interactions

Forrest Chumley  
Central Research and  
Development Department  
E. I. du Pont de Nemours  
& Company, Inc.  
P.O. Box 80402  
Wilmington, Delaware  
19898-0402 U.S.A.

#### for virus-plant interactions

Milton Zaitlin  
Department of Plant Pathology  
Cornell University  
334 Plant Science Building  
Ithaca, New York 14853 U.S.A.

---

### Associate Editors

P. Ahlquist  
University of Wisconsin  
Madison, WI 53706

B. Fritig  
IMBC - CNRS  
67084 Strasbourg, France

S. Long  
Stanford University  
Stanford, CA 94305

W. E. Timberlake  
University of Georgia  
Athens, GA 30602

F. Ausubel  
Harvard Medical School  
Boston, MA 02114

K. Hahlbrock  
Max Planck Institut für Züchtungsforschung  
D-5000, Köln 30, Federal Republic of Germany

E. Nester  
University of Washington  
Seattle, WA 98195

H. D. VanEtten  
Cornell University  
Ithaca, NY 14853

A. Collmer  
Cornell University  
Ithaca, NY 14853

I. Herskowitz  
University of California  
San Francisco, CA 94143

P. Palukaitis  
Cornell University  
Ithaca, NY 14853

M. Van Montagu  
State University Gent  
B-9000 Gent, Belgium

M. Daniels  
John Innes Institute  
Norwich, NR4 7UH, England

A. Johnston  
John Innes Institute  
Norwich NR4 7UH, England

A. Pühler  
University of Bielefeld  
D-4800 Bielefeld, West Germany

T. M. A. Wilson  
John Innes Institute  
Norwich NR4 7UH, England

F. Dazzo  
Michigan State University  
East Lansing, MI 48824

P. E. Kolattukudy  
Ohio State University  
Columbus, OH 43210

B. Staskawicz  
University of California  
Berkeley, CA 94720

P. Zambryski  
University of California  
Berkeley, CA 94720

W. Dougherty  
Oregon State University  
Corvallis, OR 97331

L. S. Loesch-Fries  
Agrigenetics Corp.  
Madison, WI 53716

---

### Staff

Publisher: Raymond J. Tarleton • Associate Publisher: Steven C. Nelson • Manager, Journals: Vera Baker  
Technical Editor: Catherine Balogh • Editorial Assistant: Sue Casey • Editorial Records: Ina Pfefer  
Manager, Graphic Services: Steve Kronmiller • Marketing Manager: Greg Grahek  
National Sales Manager: Gloria G. Rynders • Adv. Materials Coordinator: Neva Hanson-Egan

---

*Molecular Plant-Microbe Interactions*® (ISSN 0894-0282) is a bimonthly publication of APS Press, 3340 Pilot Knob Road, St. Paul, MN 55121. Authors are to submit one copy of their manuscripts to the appropriate Senior Editor and two copies to the MPMI Editorial Office, 3340 Pilot Knob Road, St. Paul, MN 55121 U.S.A. The Editor-in-Chief acts as Senior Editor for manuscripts describing molecular aspects of nematode-plant interactions. Information for contributors, which describes the scope of this journal and the form of manuscripts, appears near the back of each issue. Authors are requested to see issue number 1 of each volume for full instructions.

Reprints. Fifty free reprints will be supplied to authors; authors may order additional reprints.

Use of material. *Molecular Plant-Microbe Interactions* is copyrighted, and anyone wishing to use data or illustrations appearing in this journal in another publication must obtain permission from the author(s) and from the American Phytopathological Society and provide a line crediting *Molecular Plant-Microbe Interactions* as the source.

Authorization to photocopy copyrighted material for internal or personal use is granted for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of \$3.00 per copy of an article is paid directly to CCC, 21 Congress St., Salem, MA 01970. 0894-0282/89 \$3.00 + .00

Subscription price: \$65 individual and \$225 company, library, or institution per year domestic; foreign postage \$25 extra per year.

Single current issues (within 60 days of publication): \$19.00. Price of back volume and separate issues on request. Airmail rates for delivery outside North America quoted on request. Claims for copies lost in domestic mails must be received within 60 days of the date of issue; otherwise the replacement charge will be \$19.00. Deliveries overseas are not guaranteed; foreign mailings are made at the subscriber's risk. No endorsement of any statements or claims made in advertisements is assumed by *Molecular Plant-Microbe Interactions* or by the publisher. Change of address: Provide Business Office with current mailing label and forwarding address 6 weeks before change.

Second-class postage paid at St. Paul, MN. USPS 001963. POSTMASTER: Send address changes to *Molecular Plant-Microbe Interactions*, 3340 Pilot Knob Road, St. Paul, MN 55121 U.S.A.