



**The New York
Academy of Sciences**
Building communities, advancing science since 1817

**Special
Discount**

The Maillard Reaction: Recent Advances in Food and Biomedical Sciences

Volume 1126

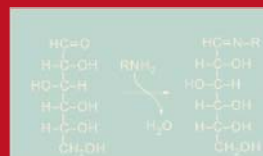
Editors: Erwin Schleicher, Veronika Somoza,
and Peter Schieberle

**If you would like a copy of the proceedings
of the 9th International Symposium on the
Maillard Reaction, please fill in and send in
the attached form, selecting that volume
(or another Annals volume of your choice).**

With your discounted payment of \$95, you receive the volume you have selected (regular list price, \$150), and you also receive one year's individual membership in the Academy, which gives you online access to the more than 1100 Annals volumes published since 1879, and access to over 475 eBriefings, free admission to over 100 Academy meetings annually, over 100 podcasts, and the many other features and programs of the Academy. NYAS members who have already claimed their annual gratis volume can buy up to five others for \$40 each.

The Maillard reaction is at the crossroads of food and biomedical sciences, and this volume addresses the role of Maillard reactions in aging and disease through a wide range of interdisciplinary research reports. The role of the Maillard reaction in diabetic complications, for example, has become a major focus of recent research, leading to a better understanding of the importance of hyperglycemia, oxidative stress, and lipid peroxidation in the pathogenesis of complications, including nephropathy, retinopathy, neuropathy, and macrovascular complications.

Chemical damage to protein by glycoxidation and lipoxidation reactions with its attendant damage to DNA are discussed in relation to the development of loss of function and disease. Also included are reports on AGE/ALE inhibitors in animal models and clinical trials and an assessment of the current status of pharmaceutical interventions for retarding the Maillard reaction and the pathophysiology associated with aging and age-related disease.



The Maillard Reaction

*Recent Advances in
Food and Biomedical Sciences*

edited by
*Erwin Schleicher
Veronika Somoza
Peter Schieberle*

ANNALS OF THE NEW YORK ACADEMY OF SCIENCES VOLUME 1126

Related NYAS volumes

International Symposium on Olfaction and Taste: ISOT XV

Forthcoming volume (June 2009 *est*)
Edited by Thomas E. Finger

Molecular Mechanisms and Models of Aging

Volume 1119, published Nov 2007
Edited by Efsthathios S. Gonos;
Ioannis P. Trougakos; Niki Chondrogianni

Healthy Aging and Longevity: Third International Conference

Volume 1114, published Nov 2007
Edited by Noah J. Weller; Suresh I. S. Rattan

Biogerontology: Mechanisms and Interventions

Volume 1100, published Apr 2007
Edited by Suresh I. S. Rattan; Serif Akman

Full Text Available online to NYAS members or subscribers

Diabetes Mellitus and Its Complications: Molecular Mechanisms, Epidemiology, and Clinical Medicine

Volume 1084, published Nov 2006
Edited by Ernest Adeghate; Hussein Saadi;
Abdu Adem, et al.

Olfaction and Taste XII: An International Symposium

Volume 855, published Dec 1998
Edited by Claire Murphy

Olfaction and Taste IX

Volume 510, published Nov 1987
Edited by Stephen D. Roper; Jelle Atema

The Maillard Reaction: Chemistry at the Interface of Nutrition, Aging, and Disease

Volume 1043, published Jul 2005
Edited by John W. Baynes; Vincent M. Monnier;
Jennifer M. Ames, et al.

THE NEW YORK ACADEMY OF SCIENCES MEMBERSHIP APPLICATION

Special Introductory Offer of a book with discounted NYAS membership annual dues

- Annual dues \$95 (regularly, \$105 for U.S. residents,
and \$125 for international members)
- Please send me the Maillard Reaction
- Please send me another Annals volume
- _____
Write in your selection to be shipped

When ordering, please supply Priority Code in lower right to receive your discount.

Provide your name and preferred address for use on your Academy record and materials

NAME

ADDRESS

CITY

STATE

ZIP

COUNTRY

PHONE

COMPANY/INSTITUTION

TITLE/PROGRAM

E-MAIL

- Please send me e-mail updates about Academy
products and events

Payment Information

- Enclosed is my check payable to the New York Academy of Sciences
in U.S. Dollars

Charge my:

- Visa Master Card AMEX

NAME ON CARD

ACCT #

EXP. DATE

SIGNATURE

SEC. CODE

4 Ways to Join

1 Visit the website at www.nyas.org and click **joinnow**

2 Call **800.344.6902** within the U.S. or
516.576.2270 outside the U.S.

3 Fax this completed form to **516.349.9704**

4 Mail this completed form to
NYAS Membership & Customer Services
Suite 1N01
2 Huntington Quadrangle
Melville, NY 11747-4502