

Designer Foods III

Phytochemicals in Garlic, Soy, and Licorice Research Update and Implications

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1994 International Garlic Symposium Program

Section I: Perspectives

- PLANT FOODS IN DISEASE PREVENTION – STUDY OF PROCEDURE LESSONS FROM EASTERN VERSUS WESTERN DIET
Devra L. Davis (U.S. Department of Health and Human Services, Public Health Service, Washington, DC, USA)
- SAPONINS IN *ALLIUM* VEGETABLES
C. Lewandowski and C. Beecher (University of Illinois at Chicago, IL, USA)

Section II: The Chemical and Biological Principles of Designer Foods

- OVERVIEW OF ANALYTICAL TECHNIQUES FOR THE FINGERPRINTING OF PHYTOCHEMICALS IN DESIGNER FOODS
Robert T. Rosen and Thomas G. Hartman (Rutgers University, NJ, USA)
- CHEMICAL EFFECT OF PROCESSING AND FOOD PREPARATION ON CAROTENOIDS AND SOY AND GARLIC PHYTOCHEMICALS
Jin-R. Zhou (Beth Israel Deaconess Medical Center, MA, USA) and John W. Erdman, Jr (University of Illinois, IL, USA)
- PHYTOCHEMICALS: BIOCHEMICAL MARKERS OF INGESTION, ABSORPTION AND METABOLISM USING FLAXSEED AS A MODEL
Clare M. Hasler (Agricultural Bioprocess Lab, IL, USA)
- RESEARCH APPROACHES TO SPECIAL PRECLINICAL SAFETY AND TOXICOLOGICAL EVALUATIONS
Shirley A.R. Blakely (Food and Drug Administration, Washington DC, USA)

Section III: Phytopharmacology of Garlic Food Forms

- PHYTOCHEMISTRY OF GARLIC HORTICULTURAL AND PROCESSING PROCEDURES
Hiromichi Matsuura (Wakunaga Pharmaceutical, Co., Ltd., Hiroshima, Japan)

- INTERNATIONAL PHYTOTHERAPEUTIC USES OF GARLIC FOOD FORMS
Rajabather Krishnaraj (University of Illinois at Chicago, IL, USA)
- LIPID SOLUBLE PHYTOCHEMICAL CONSTITUENTS IN GARLIC FOOD FORMS
David S. Weinberg (Southern Research Institute, AL, USA)
- CHEMICAL METHODS DEVELOPMENT FOR QUANTITATION OF PHYTOCHEMICALS IN AQUEOUS GARLIC EXTRACT
Richard S. Geary and Michael A. Miller (Southwest Research Institute, TX, USA)
- DIETARY TOLERANCE/ ABSORPTION/ METABOLISM OF PHYTOCHEMICALS IN GARLIC
Yukihiro Kodera (Wakunaga Pharmaceutical, Co., Ltd., Hiroshima, Japan)
- ANTIOXIDANT ACTIVITIES OF AGED GARLIC EXTRACTS AND CANCER CHEMOTHERAPY
S. Tsuyoshi Ohnishi and Ryusuke Kojinra (Philadelphia Biomedical Research Institute, PA, USA)
- IMPROVEMENT OF AGE-RELATED DETERIORATION OF LEARNING BEHAVIORS AND IMMUNE RESPONSES BY AGED GARLIC EXTRACT
Yongxiang Zhang, Toru Moriguchi, Hiroshi Saito and Nobuyoshi Nishiyama (The University of Tokyo, Tokyo, Japan)
- ANTIOXIDANTS IN GARLIC. II. PROTECTION OF HEART MITOCHONDRIA BY GARLIC EXTRACT AND DIALLYL POLYSULFIDE FROM THE DOXORUBICIN-INDUCED LIPID PEROXIDATION
Shoji Awazu (Tokyo University of Pharmacy and Science, Tokyo, Japan) and Toshiharu Horie (Chiba University, Chiba, Japan)
- ROLE OF GARLIC IN DISEASE PREVENTION – PRECLINICAL MODELS
Shunso Hatono (Wakunaga Pharmaceutical, Co., Ltd., Hiroshima, Japan) and Michael J. Wargovich (M.D. Anderson Cancer Center, TX, USA)

- EFFECTS OF AGED GARLIC EXTRACT ON RAT BRAIN NEURONS
Hiroshi Saito, Toru Moriguchi, Yongxiang Zhang, Hiroshi Katsuki and Nobuyoshi Nishiyama (The University of Tokyo, Tokyo, Japan)

- DIETARY AGED GARLIC EXTRACT INHIBITS SUPPRESSION OF CONTACT HYPERSENSITIVITY BY ULTRAVIOLET B (UVB, 280–320 NM) RADIATION OR *CIS*UROCANIC ACID
Vivienne E. Reeve, Meira Bosnic, Emilia Rozinova and Christa Boehm-Wilcox (University of Sydney, Australia)

- GARLIC AND PREVENTION OF PROSTATE CANCER
John T. Pinto and Richard S. Rivlin (Memorial Sloan Kettering Cancer Center & New York Hospital, NY, USA)

- POTENTIAL INTERACTION OF AGED GARLIC EXTRACT WITH THE CENTRAL SEROTONERGIC FUNCTION: BIOCHEMICAL STUDIES
Gilles M. Fillion, Marie-Paule Fillion, Francisco Bolaños-Jimenez, Hala Sarhan and Brigitte Grimaldi (Institut Pasteur, France)

- GARLIC AND SERUM CHOLESTEROL
Dale D. Schmeisser (University of Illinois, IL, USA)

- MODULATION OF ARACHIDONIC ACID METABOLISM BY GARLIC EXTRACTS
Nikolay V. Dimitrov and Maurice R. Bennink (Michigan State University, MI, USA)

Section IV: Phytopharmacology of Soy Food Forms

- ISOLATED SOY PROTEIN TECHNOLOGY – POTENTIAL FOR NEW DEVELOPMENTS
Belinda H. Jenks, Doyle H. Waggle and E.C. Henley (Protein Technologies International, Inc., MO, USA)

- **ROLE OF SOY FOOD FORMS IN PREVENTION OF HUMAN VASCULAR DISEASE**

Takemichi Kanazawa, Tomohiro Osanai, Tsugumichi Uemura, Takaatsu Kamada, Kogo Onodera (Hirosaki University School of Medicine, Aomori, Japan) and Hirobumi Metoki, Yasaburo Oike (Reimeikyo Rehabilitation Hospital, Aomori, Japan)

- **COMMERCIAL PHYTOCHEMICALS FROM SOY**

James P. Clark (Hankel Corporation, IL, USA)

Section V: Phytopharmacology of Licorice Food Forms

- **PHYTOCHEMISTRY OF LICORICE HORTICULTURAL AND PROCESSING PROCEDURES**

Peter S. Vora and Lucia C.A. Testa (MacAndrews and Forbes Co., NJ, USA)

- **PHYTOCHEMICAL CONSTITUENTS IN LICORICE**

James Duke (U.S. Department of Agriculture, Agricultural Research Service, MD, USA)

- **LICORICE: ABSORPTION, DISTRIBUTION, METABOLISM AND CANCER CHEMOPREVENTION**

Rajendra G. Mehta¹, Vernon Steele², Herbert F. Pierson³, Andreas Constantinou¹ and Richard C. Moon¹ (¹University of Illinois, IL, USA, ²The National Cancer Institute, MD, USA, ³Preventive Nutrition Consultants, Inc., WA, USA)

- **CANCER PREVENTION BY LICORICE**

Hoyoku Nishino (National Cancer Center Research Institute, Tokyo, Japan)

- **CLINICAL EVALUATION AND SAFETY OF LICORICE-CONTAINING FORMULATIONS**

Herbert F. Pierson (Preventive Nutrition Consultants Inc., WA, USA)

Section VI: Bridging the Gaps in Knowledge for Designer Food Applications

- **STUDIES OF PLANT FOODS FOR DISEASE PROTECTION**
Brian D. Siebert (CSIRO Division of Human Nutrition, Australia)
- **ONGOING AND FUTURE CLINICAL NUTRITION RESEARCH NEEDS**
Daniel W. Nixon (Medical University of South Carolina, SC, USA)
- **ROLE OF PHYTOCHEMICALS IN CHRONIC DISEASE PREVENTION**
Gerda Guhr and Paul A. Lachance (The State University, NJ, USA)