



Valorization of cereal milling byproducts for sustainable development: lipids and proteins

Session introduction

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Byproducts from the **milling** industry

| | Annual production/FAO | Byproducts | Potential lipids | Potential proteins |
|------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Rice milling | 515 MMT rice | 62 MMT rice bran | 9.3 MMT rice bran oil | 9 MMT |
| Wheat milling | 780 MMT wheat | 24 MMT wheat germ | 2.4 MMT wheat germ oil | 7 MMT |
| Corn milling | 1150 MMT corn | 81 MMT corn germ | 36.6 MMT corn oil | 19 MMT |

Speakers

1. **Rice bran oil: nature's gift to mankind**, *Dr. Riantong Singanusong, Naresuan University, THAILAND and B.V. Mehta, Secretary-in-General, International Association of Rice Bran Oil, India*
2. **Exploring the frontiers of health: an updated review of nutritional benefits of rice bran oil**, *Dr. Sankar Devarajan, Professor, Nutrition and Food Science Program, Department of Human Sciences, University of Arkansas at Pine Bluff & Department of Pharmacology and Toxicology, College of Medicine, University of Arkansas for Medical Sciences, Arkansas, USA*
3. **Rice and rice bran proteins: processing, functionalities, and applications**, *Dr. Mahfuzur Rahman, Professor, University of Arkansas, Fayetteville, AR, USA*
4. **Functional applications of bran and germs oils in foods and pharmacy**, *Dr. Yuanrong Jiang, General Manager, Wilmar (Shanghai) Biotechnology Research and Development Center Co., Ltd., China*

International Association of Rice Bran Oil (IARBO)

IARBO is a global organization dedicated to the following:

1. Increasing the awareness of rice bran oil for public in terms of health and applications
2. Promoting technology sharing and development
3. Sharing and promoting international standards for rice bran oil production and quality.
4. Developing and enhancing safety assurance systems for rice bran oil.
5. Promoting the development and value-added utilization of rice bran by-products (e.g., in food, feed, and industrial applications).

INTERNATIONAL ASSOCIATION OF RICE BRAN OIL



Bangladesh



China



India



Japan



Pakistan



Thailand



Vietnam

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