intermediates (superoxide radicals, hydrogen peroxide, and hydroxyl radicals) and peroxidase in germinating radish seeds controlled by light, gibberellin, and abscisic acid. - Plant Physiol. **125**: 1591-1602, 2001.

Tommasi, F., Paciolla, C., De Pinto, M.C., De Gara. L.: A comparative study of glutathione and ascorbate metabolism during germination of *Pinus pinea* L. seeds. - J. exp. Bot. **52**: 1647-1654, 2001.

Jones, J.B.: **Tomato Plant Culture. In the Field, Greenhouse, and Home Garden.** - CRC Press, Taylor and Francis Group, Boca Raton - London - New York 2008. 399 pp. ISBN 0-8493-7395-6.

Modern vegetable production uses incessantly improving growing technologies based on the latest results of science and research. Due to these effective methods applied in modern vegetable culture, it is possible to gradually increase the intensity, quality and rentability of production; however, implementation of new growing technologies to production systems requires high professional potential of growers, which presupposes more profound theoretical knowledge of the issue.

The book "Tomato Plant Culture" consists of eight chapters including six appendixes, references and index. The text is supplemented with numerous black and white photographs, well-ordered tables and graphs; a CD-ROM with colour photographs is enclosed to better illustrate tomato culture issues. The text offers many Internet links to provide more details about the topic.

Chapter I is an introduction to the issue, chapter II presents botanical and physiological characteristics of tomatoes, chapter III describes seed and seedling production, paying a special attention to tomato grafting, which is gaining more importance in modern tomato production. Chapter IV deals with fruit characteristics from different aspects (physical characteristics, chemical composition, quality, packaging, storage, *etc*.), chapter V gives details on tomato nutrition; individual nutrients and their physiological importance for tomato plant are described there. Following two chapters present details on tomato culture technologies, both in field and greenhouse conditions. Chapter VI focuses on field production and describes mainly the conventional system of commercial tomato production; however, the attention is paid also to ecological and home garden production. Chapter VII, concerning greenhouse tomato production, not only handles the optimization of growing environment but also the modern ways of greenhouse hydroponic growing. The last chapter offers to reader an insight to the most significant diseases and pests including their characteristics and ways for prophylaxis against their harmful effect; the author outlines the ways of chemical control and other methods of integrated pest management. Furthermore, there is a section devoted to weed control.

This book brings both theoretical facts and descriptions of special technological procedures of tomato plant culture. It can be thus a valuable source of information for professional tomato growers and advanced home gardeners as well as for research workers who specialize in this particular plant species and search for information leading to deeper knowledge of biological nature of tomato production. The work is also noteworthy for its high didactical quality; it might be certainly useful as a studying literature in the Vegetable production studies.

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