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**PROCEEDINGS OF THE XI NATIONAL CONFERENCE ON
PLANT PHYSIOLOGY**

18–19 November 2009, Sofia, Bulgaria



**„PLANT PHYSIOLOGY – TRADITIONS AND CHALLENGES
IN THE 21st CENTURY”**

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Preface

This volume collects the papers submitted at the 11th National Conference of the Society of Bulgarian Plant Physiologists, held in Sofia, 19-20 November 2009.

The Conference is a jubilee meeting devoted to the 60th anniversary of the Acad. M. Popov Institute of Plant Physiology, 140th anniversary of the Bulgarian Academy of Science and 65th anniversary of the Bulgarian Union of Scientists.

The motto of the Conference "Plant Physiology – traditions and challenges through the 21st century" focused on the main achievements and problems of plant physiology and biochemistry in Bulgaria and attracted the attention of foreign scientists who attended the Conference as well.

57 authors have participated in the Conference. 58 papers were distributed in 4 Sessions according to 10 focus areas of research. One introductory, five plenary and seven oral presentations and more than 45 posters were included in the Sessions according to the Conference Program.

Besides, at the end of the conference round table discussions about the role and future tasks of Bulgarian plant physiological and biochemical science were organized.

Rotary Club Sofia Sredets, which has established a national award on plant biology to the name of Academician Metodiy Popov, founder of the Institute of Plant Physiology and one of the first Rotarians in Bulgaria, awarded several Bulgarian scientists for their achievements in the past two years.

The variety of papers provided a survey and well-balanced perspectives of the current research over the entire field of plant physiology and pointed on some open questions as well.

Prof. Lozanka Popova-Staevska, DrSc
Head of the Organizing Committee

Assoc. Prof. Georgi I. Georgiev, PhD
Head of the Program Committee

On the cover: Haberlea rhodopensis Friv. and *Polypodium polypodioides* L. plants in their natural habitat. Inserts – Morphological changes in the resurrection plants during desiccation. (see Article by Maslenkova, pp. 87–99).

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