



Photosynthetic pigments

chemical structure,
biological function and ecology

EDITED BY

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PHOTOSYNTHETIC PIGMENTS:
chemical structure,
biological function and ecology

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Photosynthetic pigments: chemical structure, biological function and ecology. Syktyvkar, 2014. 448 p. (Komi Scientific Centre of the Ural Branch of the Russian Academy of Sciences).

This book provides an overview of photosynthetic pigments. The chapters cover a wide scope of pigment researches – from chemical structure and biological function to ecology. The basic data on structure of chloroplasts and photosynthetic apparatus in plants, metabolism of photosynthetic pigments and its regulation are reviewed. Information on physiology of pigment-protein complexes is discussed. Original materials on photosynthetic pigment characteristics of plants from various ecosystems and botanical-geographical areas are presented. Effects of environmental stresses on photosynthetic pigment-protein complexes are considered.

The book is directed at researches and professionals in plant physiology and biochemistry. It will be useful to plant biologists, ecologists and students.

Фотосинтетические пигменты – химическая структура, биологические функции и экология. Сыктывкар, 2014. 448 с. (Кomi научный центр УрО РАН).

В монографии представлен обзор результатов изучения фотосинтетических пигментов. Приведены данные о структуре хлоропластов и фотосинтетического аппарата растений, метаболизме фотосинтетических пигментов и его регуляции. Рассмотрена физиология пигмент-белковых комплексов. Представлен оригинальный материал о содержании пигментов в растениях разных функциональных групп и ботанико-географических зон, обсуждены реакции фотосинтетических пигментов на стрессы.

Книга предназначена для специалистов в области физиологии и биохимии растений, будет полезна для биологов, экологов и студентов.

Reviewers

Dr. Vladimir D. Kreslavskii (Russia), Prof. Evgeniya F. Markovskaya (Russia), Prof. Andrzej M. Skoczowski (Poland), Dr. Tatyana V. Zhigalova (Russia)

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CONTENTS

Contributors	3
Preface	7
Part 1. Structure of chloroplasts and photosynthetic apparatus in higher plants (edited by W. Gruszecki)	9
Chapter 1. Structure and properties of chloroplast membranes [<i>R. Szymańska</i>]	9
Chapter 2. Photosynthetic chlorophyll-protein complexes [<i>L. Fiedor</i>]	21
Chapter 3. Xanthophylls of Photosystem II [<i>W. Gruszecki</i>]	41
Chapter 4. Excitation energy transfer between photosynthetic pigments [<i>W. Gruszecki</i>]	48
Part 2. Metabolism of photosynthetic pigments and its regulation (edited by K. Strzałka)	55
Chapter 5. Biosynthesis and breakdown of chlorophylls [<i>R. Porra, H. Scheer, Bernhard Krautler</i>]	55
Chapter 6. Light regulation of chlorophyll biosynthesis in angiosperm plants: the role of photoreceptors and the photomorphogenesis repressor COP1 [<i>P. Jedynak, K. Strzałka, P. Malec</i>]	86
Chapter 7. Biosynthesis and degradation of carotenoids [<i>M. Jemiola-Rzemińska, K. Strzałka</i>]	108
Chapter 8. Chloroplasts chlorophyll-protein complexes and chlorophyll fluorescence in wheat seedlings during greening [<i>E. Garmash, M. Khristin, O. Dymova, T. Golovko</i>]	123
Part 3. Physiology of pigment-protein complexes (edited by K. Strzałka and T. Golovko)	140
Chapter 9. Chlorophylls and their role in photosynthesis [<i>O. Dymova, L. Fiedor</i>]	140
Chapter 10. Carotenoids as photoprotectors [<i>W. Gruszecki, R. Szymańska, L. Fiedor</i>]	161
Chapter 11. The role of carotenoids in the protection and assembly of the photosynthetic apparatus in a model unicellular cyanobacteria <i>Synechocystis</i> PCC 6803 [<i>K. Klodawska, P. Malec, K. Strzałka</i>]	171
Chapter 12. Xanthophyll cycle and its physiological functions [<i>D. Latowski, O. Dymova, T. Maslova, K. Strzałka</i>]	183
Chapter 13. Pigments and productivity of the crop plants [<i>T. Golovko, G. Tabalenkova</i>]	207
Part 4. Ecology of photosynthetic pigments and pigment-protein complexes (edited by M.N.V. Prasad and T. Golovko)	221
Chapter 14. Pigment characteristics of the plants of northern ecosystems and their correlation with photosynthetic activity [<i>O. Dymova, I. Dalke, T. Golovko</i>]	221

Chapter 15. Photosynthetic pigment-protein complexes of wintergreen herbaceous plant <i>Ajuga reptans</i> [O. Dymova, M. Khristin, T. Golovko]	237
Chapter 16. Photoprotective role of xanthophylls cycle in <i>Clusia</i> plants in relation to Crassulacean acid metabolism [A. Kornas, E. Kuzniak, Z. Miszalski]	252
Chapter 17. Alteration in chlorophylls and carotenoids in higher plants under abiotic stress [M. Hasanuzzaman, K. Nahar, M. Fujita]	271
Chapter 18. Photosynthetic pigments and pigment-protein complexes of aquatic plants under heavy metal stress [M.D. Meitei, A. Kumar, M.N.V. Prasad, P. Malec, A. Waloszek, M. Maleva, K. Strzalka]	317
Chapter 19. Structural and functional aspects of photosynthetic apparatus under UV-B stress [R. Kumari, M.N.V. Prasad, A. Waloszek, K. Strzalka]	333
Chapter 20. Functional tuning of photosynthetic pigments in response to trace elements [A. Kumar, A. Sebastian, M.N.V. Prasad, P. Malec, K. Strzalka]	356
Chapter 21. Photosynthetic physiology and pigments in <i>Lobaria pulmonaria</i> lichen [T. Golovko, O. Dymova, I. Zakhozhiy, I. Dalke, E. Kokovkina]	382
Part 5. Helpful aspects of pigments study (edited by T. Golovko)	394
Chapter 22. Reflectance-based non-destructive assay of leaf chlorophylls and carotenoids [A. Solovchenko]	394
Chapter 23. The spatial-temporal estimation of vegetation chlorophylls index: remote sensing approaches [E. Elsakov]	408
Chapter 24. Plant pigments and human health [O. Dymova, E. Lashmanova, T. Golovko]	423
Species Index	439
Subject Index	443