

The Plant Photobiology Notes 0

Plant Sensory Photobiology: Suggested Reading and Bibliography

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Draft of April 25, 2000

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First printing: October 1999
Second printing: April 2000

Typeset with \LaTeX .
Edited with WinEdt.

Contents

Introduction	4
1 Suggested reading	5
1.1 Accessible to general public	5
1.2 Basic Reading	5
1.3 Intermediate reading	5
1.4 Advanced reading	5
1.4.1 General	5
1.4.2 The light environment	5
1.4.3 Photochemistry	5
1.4.4 Stomata	5
1.4.5 Germination	6
1.4.6 Plant-plant interactions	6
1.4.7 Growth and allocation	6
1.4.8 Photoperiodism	6
1.4.9 Phototropism and heliotropism	6
1.4.10 Effects of UV-B	6
1.4.11 Phytochrome	6
1.4.12 UV-A/Blue photoreceptor	6
1.4.13 UV-B photoreceptor	6
1.5 The classics and historical accounts	7
1.6 Methods	7
2 Bibliography	8
2.1 Introduction	8

Introduction

This note is a bibliography on Plant Sensory Photobiology. I have included books, reviews and research papers. Those which I think are of special interest, or a good starting point I have listed by subject in the chapter 'Suggested reading'. The chapter 'Bibliography' lists these and many more references in alphabetical order of first author's surname.

The selection is biased: it includes many more titles for the subjects related to my own research interests than for other areas. Anyway at the moment there are about 1000 references, mostly published after 1980. For earlier references on phytochrome the thorough bibliography of ? is highly recommended.

The selection of suggested readings is in many ways also arbitrary, and gives more importance to clear explanations and nice examples than to publication priority. It is also arbitrary in the sense that it is biased towards whole plants, and plant-plant interactions, and partly ignores work at the molecular level. This is just a reflection of my own ignorance, and I hope will be remedied with the help of your suggestions.

The categories basic, intermediate and advanced reading are based on the expectations for university students. If you are a high school student then what is called here 'basic reading' will feel to you like advanced material.

Full references are listed at the end. Citations are (hyper)linked to the list of references. The back reference(s) at the end of each entry in the list of references, indicate the sections in which a given publication is cited and are (hyper)linked to the corresponding page.

This is still a draft, and needs quite a lot of improvement. However, it may anyway be of use, but do not assume that all key papers are included (some of them are certainly missing!). In the list of references the typographical conventions for genes and apoproteins (or even latin names) are not always correct as the data has been formatted automatically with only a few manual edits¹

¹As time allows this will be fixed.

1 Suggested reading

1.1 Accessible to general public

King (1997) gives an accurate but very accessible account of the physiology of plants, including the historical background of how and when different phenomena were described and explained.

1.2 Basic Reading

Dusenbery (1992); Heldt (1997); Mohr and Schopfer (1995); Taiz and Zeiger (1991, 1998)

1.3 Intermediate reading

Attridge (1990); Ballaré (1999); Ballaré, Scopel and Sánchez (1995); Smith (1995)

1.4 Advanced reading

1.4.1 General

Casal, Sánchez and Botto (1998); Kendrick and Kronenberg (1986, 1994); Smith (1981, 1997); Wareing and Smith (1983)

1.4.2 The light environment

Campbell and Norman (1989, 1998); Monteith and Unsworth (1990); Montenbruck and Pflieger (1991); Russell, Jarvis and Monteith (1989)

1.4.3 Photochemistry

Wayne and Wayne (1996)

1.4.4 Stomata

Jarvis and Mansfield (1981); Mansfield and Meidner (1966); Meidner and Mansfield (1968); Srivastava and Zeiger (1995a,b); Zeiger and Zhu (1998); Zeiger, Farquhar and Cowan (1987)

1.4.5 Germination

Casal and Sánchez (1998); Mandoli et al. (1990); Scopel, Ballaré and Sánchez (1991); Shinomura et al. (1996)

1.4.6 Plant-plant interactions

Aphalo and Ballaré (1995); Aphalo, Ballaré and Scopel (1999); Ballaré (1999); Ballaré, Scopel and Sánchez (1990); Ballaré et al. (1994); Schmitt and Wulff (1993)

1.4.7 Growth and allocation

Casal and Kendrick (1993); Keiller and Smith (1989); Morgan (1981); Morgan and Smith (1976, 1979)

1.4.8 Photoperiodism

Lumsden and Thomas (1998); Millar et al. (1995); Thomas and Vince-Prue (1997)

1.4.9 Phototropism and heliotropism

Ballaré (1999); Ballaré et al. (1995b); Ritter and Koller (1994)

1.4.10 Effects of UV-B

Barnes et al. (1988); Caldwell and Flint (1994); Caldwell et al. (1986); Caldwell, Teramura and Tevini (1989); Caldwell et al. (1995b); Fiscus and Booker (1995); Foyer, Lelandais and Kunert (1994); Lumsden (1997a); Madronich et al. (1995); Rozema et al. (1997b); Tevini (1993a); Wilson and Greenberg (1993b)

1.4.11 Phytochrome

Batschauer (1998a); Casal, Sánchez and Botto (1998); Chamovitz and Deng (1996); Furuya and Schafer (1996); Millar, McGrath and Chua (1994); Quail et al. (1995); Smith (1997); Whitelam and Harberd (1994)

1.4.12 UV-A/Blue photoreceptor

Ahmad and Cashmore (1996); Batschauer (1998a); Jenkins et al. (1995); Quinones and Zeiger (1994); Whitelam (1995); Young, Liscum and Hangarter (1992)

1.4.13 UV-B photoreceptor

Ballaré (1999); Ballaré, Barnes and Flint (1995); Ballaré et al. (1995a)

1.5 The classics and historical accounts

Borthwick (1957); Caldwell (1971); Kasperbauer (1992); Sage (1992)

1.6 Methods

Mancinelli (1988a); Smith and Holmes (1984)

2 Bibliography

2.1 Introduction

This is an **incomplete** and rather arbitrary list of references on plant photobiology. It is a **draft** and I will update it as frequently as possible. In spite of its limitations I hope you will find it of some use.

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