

## FLUORESCENCE

- 137 *A separation of the reactions in photosynthesis by means of intermittent light*, by EMERSON, R. and Non ARNOLD, W. (1932), *Journal of General Physiology*, 15, PP.391-420.
- 329 *Sixty-three years since Kautsky : Chlorophyll a fluorescence*, by GOVINDJEE (1995), Australian Non *Journal of Plant Physiology*, 22, PP. 131-160.
- 337 *Control of the light-harvesting function of chloroplast membranes by aggregation of the LHCII chlorophyll-protein complexes*, by HORTON P., RUBAN A.V., REES D., PASCAL A.A., NOCTOR G. & A.J. YOUNG, in *FEBS Lett.*, 292, 1-4
- 369 *Chlorophyll Fluorescence As A Probe Of The Photosynthetic Competence Of Leaves In The field : A review Of Current Instrumentation* - H.R. Bolh ar-Nordenkampf, S.P. Long, N.R. Baker, G.  quist, U. Schreiber, 1989 - *Functional Ecology*.3, p. 497-514.
- 370 *Photon Yield Of O2 Evolution And Chlorophyll Fluorescence Characteristics At 77K Among Vascular Non Plants Of Diverse Origin* - O. Bj rkman, B. Demming, 1987 - *Planta* 170, p. 489-504.
- 371 *Oxygen Per Flash From Leaf Discs Quantifies Photosystem II* - W.S. Chow, A.B. Hope, J.M. Non Anderson, 1989a - *Biochim. Biophys. Acta* 973, p. 105-108
- 372 *Further Studies On Quantifying Photosystem II In Vivo By Flash-Induced Oxygen Yield From Leaf Non Discs* - W.S. Chow, A.B. Hope, J.M. Anderson, 1991b - *Aust. J. Plant. Physiol.* 18, p. 397-410.
- 375 *Simultaneous Measurement Of Oxygen Evolution And Chlorophyll Fluorescence From Leaf Pieces* - Non T. Delieu, D.A. Walker, 1983 - *Plant Physiol.*73, p. 542-549.
- 376 *Nonphotochemical Quenching Of Fo In Leaves Is Emission Wavelength Dependent : Consequences For Quenching Analysis And Its Interpretation* - B. Genty, J. Wonders, N.R. Baker - *Photosynthesis Research* 26, p. 133-139.
- 377 *The Herbicide-Resistant D1 Mutant L275F Of Chlamydomonas Reinhardtii Fails To Show The Non Bicarbonate-Reversible Formate Effect On Chlorophyll a Fluorescence Transients* - Govindjee, B. Schwarz, J.D. Rochaix, R.J. Strasser, 1991 - *Photosynthesis Research* 27.
- 378 *Protection Of Photosystem II By Light In Heat-Stressed Pea Leaves* - M. Havaux, R.J. Strasser, Non 1990 - *Z. Naturforsch.* 45c, p. 1133-1141.
- 379 *In Vivo Photoregulation Of Photochemical And Nonphotochemical Deactivation Of Photosystem II Non Intact Plant leaves* - M. Havaux, R.J. Strasser, H. Greppin, 1990 - *Plant Physiol. Biochem.*, 28 (6), p. 735-746.
- 380 *A Theoretical And Experimental Analysis Of The Qp And Qn Coefficients Of Chlorophyll Non Fluorescence Quenching And Their Relation To Photochemical And Nonphotochemical Events* - M. Havaux, R.J. Strasser, H. Greppin, 1991 - *Photosynthesis Research* 27.
- 381 *Photoacclimation And Photoinhibition In Ulva Rotundata As Influenced By Nitrogen Availability* - Oui W.J. Henley, G. Levavasseur, L.A. Franklin, C.B. Osmond, J. Ramus, 1991 - *Planta* 184, p. 235-243.
- 382 *Diurnal Responses Of Photosynthesis And Fluorescence In Ulva Rotundata Acclimated To Sun And Oui Shade In Outdoor Culture* - W.J. Henley, G. Levavasseur, L.A. Franklin, S.T. Lindley, J. Ramus, C.B. Osmond, 1991 - *Mar. Ecol. Prog. Ser.* 75, p. 19-28.

## FLUORESCENCE

- 383 *Photosynthetic Response Of Ulva Rotundata To Light And Temperature During Emersion On An Intertidal Sand Flat* - W.J. Henley, S.T. Lindley, G. Levvasseur, S.T. Lindley, C.B. Osmond, J. Ramus, 1992 - *Oecologia* 89, p. 516-523.  
Oui
- 384 *Chilling Injury In Mature Leaves Of Rice. II. Varietal Differences In The Response To Interactions Between Low Temperature And Light Measured By Chlorophyll Fluorescence At 77K And The Quantum Yield Of Photosynthesis* - L.K. Huang, C.B. Osmond.  
Non
- 387 *Evaluation Of A Technique For The Measurement Of Chlorophyll Fluorescence From Leaves Exposed To Continuous White Light* - E. Ogren, N.R. Baker, 1985 - *Plant, Cell And Environment* 8, p. 539-547.  
Non
- 388 *Potential Consequences Of Virus Infection For Shade-Sun Acclimation In Leaves* - C.B. Osmond, J.A. Berry, S. Balachandran, C. BüchenOsmond, P.F. Daley, R.A.J. Hodgson, 1990 - *Bot. Acta* 103, p. 226-229.  
Non
- 389 *Studies On The Induction Of Chlorophyll Fluorescence Quenching By Redox State And Transthylakoid Ph Gradient* - W.P. Quick, P. Horton, 1983 - *Proc. R. Soc. Lond. B.* 217, p. 405-416.  
Non
- 390 *Chlorophyll Fluorescence As A Measure Of Photosynthetic Carbon Assimilation* - G. Seaton, D.A. Walker, 1990 - *Proc. R. Soc. Lond. B.* 242, p. 29-35.  
Non
- 392 *The Fo And The O-J-I-P Fluorescence Rise In Higher Plants And Algae* - R.J. Strasser, Govindjee, 1991 - In *Regulation Of Chloroplast Biogenesis* By J.H. Arguroudi-Akoyunoglou (ed). Plenum Publishing Co. London.  
Oui
- 394 *Secondary Fluorescence Kinetics Of Spinach Leaves In Relation To The Onset Of Photosynthetic Carbon Assimilation* - D.A. Walker, 1981 - *Planta* 153, p. 273-278.  
Non
- 396 *Simultaneous Measurement Of Oscillations In Oxygen Evolution And chlorophyll A Fluorescence In Leaf Pieces* - D.A. Walker, M.N. Sivak, R.T. Prinsley, J.K. Cheesbrough, 1983 - *Plant Physiol.* 73, p. 542-549.  
Non
- 397 *Measurement Of Photosynthesis In Vivo With A Leaf-Disc Electrode : Correlations Between Light dependence Of Steady-State photosynthetic O<sub>2</sub> evolution And Chlorophyll A Fluorescence Transients* - D.A Walker, C.B. Osmond, 1986 - *Proc.R.Soc.Lond.B* 227.  
Non
- 398 *The Use Of The Oxygen Electrode And Fluorescence Probes In Simple Measurements Of Photosynthesis* - D.A. Walker, 1987 - Sheffield. Oxygraphics.  
Non
- 401 *On The O-J-I-P Fluorescence Transient In Leaves And D1 Mutants Of Chlamydomonas reinhardtii* - R.J. Strasser, Govindjee -  
Oui
- 402 *Chlorophyll Fluorescence As A Tool In Photosynthesis Research* - H.R. Bolhâr-Nordenkampf, G. Öquist - *Photosynthesis And Production In A Changing Environment : A Field And Laboratory Manual*, Chp. 12, p. 193-206.  
Oui
- 403 *Response Of Leaf Photosynthesis to Short-Term Fluctuations In Atmospheric Carbon Dioxide* - G.R. Hendrey, S.P. Long, N.R. Baker, I.F. McKee.  
Oui
- 404 *Using Chlorophyll Fluorescence Induction For A Quantitative Detoxification Assay With Metribuzin And Chlorotoluron In Excised Wheat Leaves* - J.M. Ducruet, H. Sixto, J. Maria Garcia-Baudin - *Pestic. Sci.* 1993, 38, p. 295-301 .  
Oui

## FLUORESCENCE

- 405 *The Relationship Between the Quantum Yield Of Photosynthetic Electron Transport And Quenching Of Chlorophyll Fluorescence* - B. Genty, J.M. Briantais, N.R. Baker - *Biochemica et Biophysica Acta*, 990 (1989), p. 87-92.
- 406 *Utilisation De La Fluorescence De La Chlorophylle Dans L'Analyse In Situ De La Photosynthèse Foliaire* - E. Dreyer, L. Camenen, J.F. Hanocq, B. Julier.
- 407 *In situ Estimation Of Net CO2 Assimilation, Photosynthetic Electron Flow And Photorespiration In Turkey Oak (Q. cerris L.) Leaves : Diurnal Cycles Under different Levels Of Water Supply* - R. Valentini, D. Epron, P. De Angelis, G. Matteucci, E. Dreyer.
- 408 *Effect Of Drought On Photosynthesis In Trifolium repens : Maintenance Of Photosystem II Efficiency And Of Measured Photosynthesis* - P. Grieu, C. Robin, A. Guckert - *Plant Physiol. Biochem.*, 1995, 33 (1), p. 19-24.
- 409 *Measuring P700 Absorbance Changes Around 830nm With A New Type Of Pulse Modulation System* - U. Schreiber, C. Klughammer, C. Neubauer - *Z. Naturforsch.*, 43c, 1988, p. 686-698.
- 410 *Long-Term Effects Of Drought On Photosynthesis Of Adult Oak Trees [Quercus Petrea (Matt.) Liebl. And Quercus Roburt L.] In A Natural Stand* - D. Epron, E. Dreyer - *New Phytol.* (1993), 125, p. 381-389.
- 411 *Regulation Of Photosynthetic Activity In Forest Trees During Drought* - E. Dreyer, F. Tardieu, E.D. Schulze, V. Stiller, P. Dizengremel, L. Sehmer, P. Label.
- 412 *Use Of Chlorophyll Fluorescence Induction Kinetics To Study Translocation And Detoxication Of DCMU-Type Herbicides In Plant Leaves* - J.M Ducruet, P. Gaillardon, J. Vienot - *Z. Naturforsch.*, 39c, 1984, p. 354-358.
- 413 *Site Of Action Of Copper In The Photosynthetic Apparatus Of Maize Leaves* - M. Moustakas, G. Ouzounido, R. J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 414 *The Fast Fluorescence Transient Of Rhodospirillum Rubrum Is Polyphasic Of The Type O-K-I-J-P* - R.J Strasser, R. Gosh - *Photosynthesis Congress, Montpellier, August 1995.*
- 415 *Measuring Fast Fluorescence Transients To Address Environmental Questions : The JIP-Test* - B.J Strasser, R.J Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 416 *Numerical Simulation Of Chlorophyll A Fluorescence Induction In Plants* - A. Stirbet, Gonvindjee, B.J. Strasser, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 417 *Suboptimality As Driving Force For Adaptation : A Study About The Correlation Of Excitation Light Intensity And The Dynamics Of Fluorescence Emission In Plants* - M. Tsimili, G.K.J Kruger, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 418 *Acclimation Of Land Plants To Diurnal Changes In Temperature And Light* - A. Srivastava, H. Greppin, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 419 *Effects Of High Temperature And Water Stress On The Polyphasic Chlorophyll a Fluorescence Transient Leaves* - B. Guissé, A. Srivastava, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*

## FLUORESCENCE

- 420 *Polyphasic Chlorophyll a Fluorescence Transient In Leaves Exposed To Anaerobic Conditions* - P. Oui Haldimann, A. Srivastava, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 421 *Photosystem II Activity Of Whole Leaf And Unicellular Algae In Organic Solvent* - A. Darszon, A. Oui Srivastava, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 422 *Screening Criteria For Drought Tolerance In Nicotiana tabacum L. Derived From The Polyphasic Rise Of The Chlorophyll a Fluorescence Transient (O-J-I-P)* - P. Eggenberg, L.V. Rensburg, G.H.J Krüger, R.J. Strasser - *Montpellier, August 1995.*
- 423 *Dynamics Of Primary Photochemistry Of PSI In Membranes Monomeric And Trimeric Complexes Of Spirulina At 77K : Correlation Of P700 Oxidation And Fluorescence Quenching At 760 nm* - N.V Karapetyan, R.J.Strasser - *Montpellier, August 1995.*
- 424 *Regulation Of The Exciton Density In Photosynthetic Antenna System : "Cruise Control"* - W. Oui Gruszeski, A. Srivastava, M. Matula, Z. Krupa, R.J. Strasser - *Photosynthesis Congress, Montpellier, August 1995.*
- 425 *Spatial And Diurnal Variations In The Photosynthetic Activity Of The Tropical Seagrass Thalassia Testudinum* - M. Merino, S. Enriquez, R.J. Strasser, R. Iglesias-Prieto - *Photosynthesis Congress, Montpellier, August 1995.*
- 426 *A Microcomputer-Based Fast Data Acquisition System For In Vivo Measurements Of Stress Effects In Crop Plants By Chlorophyll Fluorescence Induction* - M. Méthy, J.L. Salager - *Computers And Electronics In Agriculture, 4 (1989) ,p. 121-128.*
- 427 *Measurement And Interpretation Of Photosynthetic Light-Response Curves In Algae In The Context Of Photoinhibition And Diel Changes* - W.J. Henley - *J. Phycol. 29, (1993), p. 729-739.*
- 431 *Relationship Between CO<sub>2</sub>-Dependent O<sub>2</sub> Evolution And Photosystem II Activity In Oak (Quercus Petrea) Trees grown In The Field And In Seedlings Grown In Ambient Or Elevated CO<sub>2</sub>* - D.Epron, E. Dreyer, C. Picon, J.M. Guehl - *Tree Physiology N°14, p. 725-733.*
- 455 *Measurement of leaf epidermal transmittance of UV radiation by chlorophyll fluorescence*, by W. Oui BILGER, M. VEIT, L. SCHREIBER & U. SCHREIBER, (1997) *Physiologia Plantarum 101, PP.754-763*
- 545 *A possible role for photosystem II in environmental perturbations*, by BAKER, N.R. (1991).  
Non
- 586 *Chlorophyll fluorescence and photosynthesis : the basics*, by KRAUSE G.H. and E.WEIS (1991),  
Non *Annual Review of Plant Physiology and Plant Molecular Biology, 42, PP.313-349.*
- 596 *A study of the Chlorophyll Fluorescence from mature and micropropagated Clamatis by time-resolved Spectroscopy* - R.P. Lees, E.H. Evans, R.G. Brown - *Photobiol.B : Biol., 8 (1991) 307-313.*
- 597 *Mise en évidence, par la Fluorescence de la Chlorophylle, de la Variabilité Génotypique de la Réponse à une Contrainte Hydrique chez le Trèfle blanc et l'ivraie vivace* - J.M. Ourcival, M. Méthy, R. Burgess - *Can. J. Bot. 70 : 1556-1562.*
- 598 *The F685/F730 Chlorophyll Fluorescence Ratio as a Tool in Plant Physiology : Response to Physiological and Environmental Factors* - G. Agati, P. Mazzinghi, F. Fusi, I. Ambrosini - *J. Plant Physiol. Vol. 145. pp.228-238 (1995).*

## FLUORESCENCE

- 599 *Metal Enrichment experiments in the Weddell-Scotia Seas : Effects of Iron and Manganese on various Plankton Communities* - A.G.J. Buma, H.J.W. de Baar, F. Nolting, A.J. van Bennekom - *Limnol. Oceanogr.* 36(8), 1865-1878 (1991).  
Oui
- 600 *Chilling-resistence of Photosynthetic Performances in diuron-adapted Euglena gracilis* - Danielle Laval-Martin, Didier Troton - *Plant. Science*, 72(1990) 213-222.  
Oui
- 601 *Evolution of PS II Alpha and PS II Betta centers during the greening of Euglena gracilis Z : correlations with changes in Lipid Content* - Mimoun El Kaoua, Danielle Laval-Martin - *Photosynthesis Research* 43 : 155-163 (1995).  
Oui
- 606 *Chlorophyll fluorescence : a probe for electron transfer & energy transfer*, by BUTLER, W.L. (1977), in *Encyclopedia of Plant Physiology*, 5, PP.149-167.  
Non
- 609 *Effets Toxique sur les Algues : Mesure de la Variation de Fluorescence in-situ, Connaissance et Présentation des Pollutions d'origine agricole* - H. Beuffe - *Cemagref*, Mai 1992, 54-56.  
Non
- 610 *In Vivo Analysis of slow Chlorophyll Fluorescence Induction kinetics in algae : progress, problems and perspectives* - C. Buchel, C. Wilhelm - *Photochemistry and Photobiology*, 58 137-148.  
Non
- 611 *Mise au point d'un Protocole de test de toxicité algue à court terme sur les algues, utilisant leur propriété de Fluorescence avant et après action d'un Herbicide, le DCMU* - *Cemagref*, Bordeaux (1987), 5 pages.  
Non
- 612 *Observation de la Fluorescence sur feuille entière et mise en évidence de la Résistance Chloroplastique à l'Atrazine chez Chenopodium album I et Poa annua I* - JM. Ducruet, J. Gasquez - *Chemosphere*, 8, 691-696 (1978).  
Non
- 613 *Utilisation de la Fluorescence Chlorophyllienne pour la Détection des effets de xénobiotiques sur les Végétaux Aquatiques* - P. Eullaffroy - *DEA Sciences et Techniques de l'Environnement*, Université Paris XII Créteil, 61 pages (1991).  
Non
- 614 *Fluorescence in relation to Photosynthesis* - JC. Goedheer - *Ann. Rev. Plant Physiol.*, 23, 87-112 (1972).  
Non
- 615 *A simple bioassay for Photosystem II inhibitors in water using In Vivo Chlorophyll Fluorescence* - LG. Goldsborough, GGC. Robinson - *Weed Research*, 24, 351-358 (1984).  
Non
- 616 *Chlorophyll Fluorescence Analyses of Photosystem II reaction Center Heterogeneity* - KK. Karukstis - *Photobiol. B : Biol.*, 15, 63-74 (1992).  
Non
- 617 *Chlorophyll Fluorescence as a tool in Plant Physiology. II, Interpretation of Fluorescence Signals* - GH. Krause, E. Weiss - *Photosynthesis Research*, 5, 139-157 (1984).  
Non
- 618 *The Kautsky effect : 60 years of Chlorophyll Fluorescence Induction Kinetics* - HK. Lichtenthaler - *Photosynthetica*, 27, 45-55 (1992).  
Non
- 619 *Application of Chlorophyll Fluorescence in Ecophysiology* - HK. Lichtenthaler, C. Buschmann, U. Rinderle, G. Schmuck - *Radiat. Environ. Biophys.*, 25, 297-308 (1986).  
Non

## FLUORESCENCE

- 620 *Mesure de l'atteinte de la Photosynthèse chez les Végétaux Aquatiques en présence d'Isoproturon par la technique d'Induction de Fluorescence* - V. Merle - DEA National de Toxicologie, rapport soutenu le 13/09/93, 28 pages (1993).  
Non
- 621 *Chlorophyllfluoreszenz und Köhlensäureassimilation*, by KAUTSKY H. and A. HIRSCH (1931),  
Non *Naturwissenschaften*, 19, 964.
- 622 *Energy distribution in the photochemical apparatus of photosynthesis*, by BUTLER, W.L., *Annual Review of Plant Physiology*, 29, PP. 345-378 (1978).  
Non
- 623 *Introduction à l'évaluation des effets écotoxicologiques en Milieu Aquatique : études par microcosmics* - AC. Mermillod-Gignoux - Thèse de Doctorat de l'Université de Savoie, Spécialité Biochimie et Biologie Appliquées, 302 pages (1996).  
Non
- 624 *Determination of Herbicide Inhibition of photosynthetic transport of Fluorescence* - EP. Richards, JR. Goss, C.J. Arntzen, FW. Slife - *Weed Science*, 31, 361-367 (1983).  
Non
- 625 *Comparison of Radiocarbon uptake and DCMU Fluorescence techniques in evaluating dispersed oil effects on Phytoplankton photosynthetic activity* - S. Roy, R. Siron, E. Pelletier - *Water Research*, 25, 10, 1249-1254 (1991).  
Non
- 626 *A method for studying photosynthetic capacities of Unicellular algae based on in Vivo Fluorescence* - G. Samuelsson, G. Oquist - *Physiol. Plant*, 40, 315-319 (1977).  
Non
- 627 *Chloroplastic Resistance of weeds to triazines in Europe, in Herbicide Resistance in weeds and crops* - JLP. Van Oorschot - JC. Caseley, GW. Cussans, RK. Atkin (Eds), Butterworth Heinemann, Oxford, 87-102 (1991).  
Non
- 628 *The use of Oxygen Electrode and Fluorescence probes in simple measurements of Photosynthesis* - D. Walker - *Research Institute for Photosynthesis, University of Sheffield*, 188 pages (1987).  
Non
- 658 *Herbicide Isoproturon-Specific Binding in the Freshwater Macrophyte Elodea densa : a single-cell Fluorescence study* - M. Grouelle, T. Grollier, A. Feurtet-Mazel, F. Ribeyre, A. Boudou - *Ecotoxicologie and Env. Safety* 32, 254-259 (1995).  
Oui
- 662 *Advances in understanding Phytoplankton Fluorescence and Photosynthesis* - Dale A. Kiefer and Rick A. Reynolds - *Primary Productivity and Biogeochemical Cycles in the Sea*, p.155-174.  
Oui
- 665 *The rôle of light-harvesting complex II in energy quenching*, by HORTON P. and A. RUBAN (1994),  
Non *Photoinhibition of photosynthesis from molecular mechanisms to the field*, PP.111-128.
- 694 *Mesure de la Cinétique d'Induction de Fluorescence Chlorophyllienne d'Algues Vertes Microscopiques comme Biotest Algal*. G.MERLIN, V.MERLE, G.BLAKE, TSM N°1 - JANVIER 1995. Pages 49-54.  
Oui
- 695 *Use of Fluorescence Induction Kinetics of Lemna Minor as a Tool for Chemical Stress Evaluation*.G.MERLIN, P.EULAFFROY and G.BLAKE. *The Science of the Total Environment*, Supplement 1993.Pages 761-772  
Oui
- 714 *Temperature-induced changes of photosystem II activity in Quercus ilex & Pinus halepensis*, by M.Méthy, D.Gillon & C.Houssard. *Centre d'écologie fonctionnelle & évolutive, Montpellier* (1997) NRC Canada, *Can.J.For.Res* Vol 27/P31-38  
Oui

## FLUORESCENCE

- 715 *Drought & photosystem II activity in two Mediterranean oaks*, by M.Méthy, C. Damesin,  
Oui S.Rambal/Centre d'écologie fonctionnelle et évolutive, CNRS Montpellier/Ann Sci For (1996), 53,  
P255-262.
- 716 *Field study of leaf photosynthetic performance by a Mediterranean deciduous oak tree(Quercus  
Oui pubescens) during a severe summer drought*, by C.Damesin & S.Rambal/Centre d'écologie  
fonctionnelle et évolutive, CNRS, Montpellier. *New Phytol.* (1995), P159-167.
- 717 *Effect of sodium and calcium on chlorophyll fluorescence of Atriplex halimus plants grown on in vitro  
Oui synthetic media*, by Y. Pourrat, C.Agier, M.Bury & P.Dutuit.Equipe d'Ecotechnologie, Labo de  
Botanique, Fac de Pharmacie Fac de Paris Sud,ABSTRACT
- 742 *La Fluorimétrie. Un Outil pour étudier les déficiences nutritionnelles de la Vigne et mesurer l'Effet  
Oui des Apports d'Engrais*, par M. Eyletters et B. Bourrié. Extrait de *Phytoma/La Défense des Végétaux-  
N°489-Décembre 1996*.
- 783 *Computer-controlled Phytoplakton Analyzer based on a 4-Wavelengths Pam Chlorophyll  
Oui Fluorimeter*, by Jörg KOLBOWSKI and Ulrich SCHREIBER, Universität Würzburg, Germany
- 838 *Screening algal mutant colonies with altered thylakoid electrochemical gradient through  
Oui fluorescence & delayed luminescence digital imaging*, by Pierre Bennoun & Daniel Béal,  
*Photosynthesis Research* 51, (1997), PP.161-165.
- 849 *Détection de Stress et Carences Nutritionnelles de la Végétation par Imagerie de Fluorescence-  
Non laser : Exemples d'Application à l'Arbre*, de F. HEISEL, M. SOWINSKA, C. ECKERT & J.A MIEHE,  
CNRS, Institut de Recherches Subatomiques, RESUME
- 850 *The Potential of Chlorophyll Fluorescence Measurements to Detect Salt & Waterlogging Stress in  
Non Urban Trees*, by G.C. PERCIVAL & A. GALLOWAY, Department of Horticulture, Scotland /  
ABSTRACT
- 884 *Simultaneous measurement of changes in red & blue fluorescence in illuminated isolated  
Non chloroplasts & leaf pieces. The contribution of NADPH to the blue fluorescence signal*, by Cerovic,  
Bergher, Goulas, Tosti, Moya-1993-Photosynth. Research 36, P.193-204
- 885 *Time-resolved spectral studies of blue-green fluorescence of leaves, mesophyll & chloroplasts of  
Non sugar beet (Beta vulgaris L.)*, by Cerovic, Morales & Moya(1994) *Biochim. Biophys. Acta*, 1188 (1-2)  
P.58-68
- 886 *Characterization of blue-green fluorescence in the mesophyll of sugar beet (Beta vulgaris L.) leaves  
Non affected by iron deficiency*, by Morales, Cerovic & Moya(1994) *Plant Physiol.*, 106, PP.127-133
- 887 *Time-resolved chlorophyll fluorescence spectra of intact leaves*, y Schmuck G. & Moya I.(1994)  
Non *Remote Sens. Environnement*, 47 (1), PP.72-76
- 888 *Remote sensing of time-resolved chlorophyll fluorescence and back-scattering of the laser excitation  
Non by vegetation*, by Moya, Goulas, Morales, Camenen, Guyot & Schmuck(1995) *EARSel Advances in  
Remote Sensing*, 3(3), PP. 188-197
- 889 *Scaling fluorescence signals from the chloroplasts to the canopy level Photosynthesis & Remote  
Non Sensing ((G.Guyot ed.) Montpellier, France : EARSel, Paris, by Cerovic, Goulas, Camenen, Guyot,  
Briantais, Morales & Moya, PP. 21-27(1995)*
- 890 *Time-resolved blue-green fluorescence of sugar beet (Beta vulgaris L.) leaves : Spectrometric  
Non evidence for the presence of ferulic acid as the main fluorophore in the epidermis*, by Morales,  
Cerovic & Moya, *Biochim. Biophys. Acta*, 1273c (1996), PP. 251-262

## FLUORESCENCE

- 891 *Heat-stress induces in leaves an increase of the minimum level of chlorophyll fluorescence, Fo : a time resolved analysis*, by Briantais, Dacosta, Goulas, Ducruet & Moya, *Photosynth. Res.*, 46 (1996), PP189-196
- 892 *Estimation of the chlorophyll fluorescence lifetime of plant canopies : validation of a deconvolution method based on the use of a 3-D canopy mockup*, by Camenen, Goulas, Guyot, Cerovic, Schmuck & Moya (1996), *Remote Sens. Environment*, 57, PP. 79-87
- 893 *Measurements of laser-induced fluorescence and reflectance of plant canopies*, by Goulas, Camenen, Guyot, Cerovic, Briantais & Moya (1996) *Remote Sens. Rev.*, 15, PP. 305-322
- 894 *Fluoresensing of water stress in plants. Diurnal changes of the mean lifetime and yield of chlorophyll fluorescence , measured...with a t-LIDAR & a modified PAM-Fluorimeter, in maize, sugar beet & Kalanchoë* by Cerovic..1996, *Remote Sens. Env.*, 58, P311-321
- 895 *Remotely sensed blue and red fluorescence emission for monitoring vegetation*, by Moya, Guyot & Goulas (1992) *ISPRS J. Photogram. Remote Sens.*, 47, PP. 205-231
- 896 *Utilisation de la fluorescence des plantes en télédétection. Photo-Interprétation* , de Camenen, Guyot, Goulas, Moya & Cerovic (1995), 3, PP. 181-195
- 898 *Spectral & Time-resolved Analysis of Blue-Green Fluorescence emitted by Plants(1994)*, by Cerovic, Morales & Moya, Guyot (Ed.), *Physical Measurements & Signatures in Remote Sensing*, PP907-914, Val d'Isère, France : CNES
- 899 *Heat-stress induces in leaves an increase of the minimum level of chlorophyll fluorescence Fo*, by Dacosta, Briantais, Ducruet & Moya (1995), *Physical Measurements & Signatures in Remote Sensing*, PP.87-92, Montpellier, France : EARSEL, Paris
- 900 *Measurements of laser-induced fluorescence decay & reflectance of plant canopies*, by Goulas, Camenen, Briantais, Schmuck, Moya & Guyot (1994), Guyot G (Ed.), *Physical Measurements & Signatures in Remote Sensing*, PP.937-944, Val d'Isère, France : CNES
- 901 *Picosecond fluorescence decay & backscattering measurements of vegetation over distances*, by Goulas, Camenen, Schmuck, Guyot, Morales & Moya (1994b), Werner C & Waidelich W, (Eds) *Laser in Remote Sensing*, PP89-94, Berlin : Springer-Verlag
- 902 *Spectral & time-resolved signatures of sugar beet leaves for the characterization of their physiological state*, by Morales, Cerovic, Goulas, Belkhodja, Abadia & Moya (1995b), *Photosynthesis & Remote Sensing*, PP. 113-116, Montpellier, France. EARSEL, Paris
- 903 *Spectral & time-resolved signatures of sugar beet leaves for the characterization of their physiological state*, by Morales, Cerovic, Goulas, Belkhodja, Abadia & Moya (1995a), *Photosynthesis: from Light to Biosphere*, PP. 195-198, Dordrecht : Kluwer
- 904 *Time-resolved blue-green fluorescence of sugar beet leaves : Spectroscopic evidence for the presence of ferulic acid as the main fluorophore in the epidermis*, by Morales, Cerovic & Moya(1996), *Biochim. Biophys. Acta* 1273, PP. 251-262
- 905 *Diurnal changes of the mean lifetime & yield of chlorophyll fluorescence in water stressed plants measured at distance*, by Moya, Cerovic, Briantais, Camenen, Gorbunov & Goulas (1995a), Mathis P (Ed.), *Photosynthesis: From light to Biosphere*, PP. 45-54
- 907 *Remote sensing of plant canopies by active laser measurements of time resolved chlorophyll fluorescence*, by Moya, Cerovic, Briantais, Camenen, Guyot & Schmuck (1994), Guyot (Ed.), *Physical Measurements & Signatures in Remote Sensing*, PP.863-874

## FLUORESCENCE

- 908 *Time-resolved fluorescence spectra of intact leaves*, by Schmuck G. and Moya I. (1994), *Remote Sens. Environ.* 47, PP.72-76  
Non
- 909 *Remote sensing of chlorophyll a fluorescence of vegetation canopies : 1. Near and far field measurement techniques*, by ecchi, Mazzinghi, Pantani, Valentini, Tirelli & De Angelis (1994) *Remote Sens. Environ.* 47, PP.18-28  
Non
- 910 *Remote sensing of xanthophyll cycle and chlorophyll fluorescence in sunflower leaves and canopies*, by Gamon, Field, Bilger, Bjorman, Fredeen & Penuelas (1992), *Oecologia* 85 P.17  
Non
- 911 *A narrow-waveband spectral index that tracks diurnal changes in photosynthetic efficiency*, by Gamon, Penuelas & Field (1992), *Remote Sens. Environ.* 41, PP. 35-44  
Non
- 920 *Simultaneous Measurement of Changes in Red & Blue Fluorescence in Illuminated Isolated Chloroplasts & Leaf Pieces-the Contribution of NADPH to the Blue Fluorescence Signal*, by Cerovic, Bergher, Goulas, Tosti & Moya, *Photosynth. Res.* 36 (1993), PP.193-204  
Non
- 921 *Fluorescence Measurements of Vegetation*, by Chappelle EW, (Ed.), 1994, New York : Elsevier  
Non
- 922 *Laser-Induced Fluorescence of Green Plants. (1) A technique for the Remote Detection of Plant Stress & Species Differentiation*, by Chappelle EW, Wood FM, McMurtrey JE & Newcomb WW, *Appl. Opt.* 23 (1984), PP.134-138  
Non
- 923 *Time-Resolved Spectroscopy of the Blue Fluorescence of Spinach Leaves*, by Goulas Y, Moya I & Schmuck G, *Photosynth. Res.* 25 (1990), PP. 299-307  
Non
- 926 *Remotely Sensed Blue and Red Fluorescence Emission For Monitoring Vegetation*, by Moya I., Guyot G. and Goulas Y. (1992), *ISPRS J Photogram Remote Sens* 47, PP. 205-231  
Non
- 928 *A Quantitative Study of the Slow Decline of Chlorophyll a Fluorescence in Isolated Chloroplasts*, by Briantais JM, Verotte C., Picaud M. & Krause GH (1979), *Biochem. Biophys. Acta* 548, PP. 128-138  
Non
- 930 *Téledétection de la Fluorescence des Couverts Végétaux : Temps de Vie de la Fluorescence Chlorophyllienne et Fluorescence Bleue*, de Goulas Y. (1992), (PhD thesis), Université de Paris-Sud.  
Non
- 933 *Chlorophyll Fluorescence Measured Using the Fraunhofer Line-Depth Principle & Relationship to Photosynthetic Rate in the Field*, by Carter GA, Theisen AF & Mitchell RJ (1990), *Plant Cell Environ.* 13, PP. 79-83  
Non
- 934 *Estimation of Primary Production by Observation of Solar-Stimulated Fluorescence*, by Doerffer R. (1993), *ICES mar Sci Symp* 197, PP. 104-113  
Non
- 935 *Pump-and-Probe LIDAR Technique : New Approach to Active Biomonitoring of Sea and Land*, by Chekalyuk AM and Gorbunov MY (1994), *Physical Measurements and Signatures in Remote Sensing*, PP. 915-922, Val d'Isère, France : CNE  
Non
- 936 *Sixty-three years since Kautsky : Chlorophyll a fluorescence*, by Govindjee (1995), *Aust J Plant Physiol* 22, PP. 131-160  
Non

## FLUORESCENCE

- 938 *Phytoplankton Remote Sensing with the FLI Imaging Spectrometer*, by Gower JFR and Borstad GA  
Non (1989), *Adv Spaces Res* 9, PP. 461-465
- 939 *Feasibility of Airbone Detection of Laser Induced Emissioins from Green Terrestrial Palnts*, by Hoge  
Non FE, Swift RN and Yungel JK (1983), *Appl Opt* 22, PP. 2991-3000
- 940 *Inherent Optical Properties of the Ocean : retrieval of the bsorption Coefficient of Chromophoric  
Dissolved Organic Matter from Airbone Laser Spectral Fluorescence Measurements*, by Hoge, Swift,  
Yungel, Blough (1995), *Appl Opt* 34, PP.7032-7038
- 941 *An Evaluation of 685 nm Fluorescence Imagery of Coastal Waters*, by Kim HH, Van der Piepen H,  
Non Amann V and Doerffer R. (1989), *ESA J* 9 :PP.17-27
- 942 *Techniques for Laser Remote Sensing of the Environment*, by Kobayashi T. (1987), *Remote Sens  
Rev.* 3, PP. 1-58
- 943 *Applications of Chlorophyll Fluorescence in Photosynthesis Research, Stress Physiology,  
Non Hydrobiology and Remote Sensing*, by Lichtenthaler HK (Ed.), (1989), Dordrecht : Kluwer Academic  
Publishers
- 944 *The Rôle of Chlorophyll Fluorescence in the detection of Stress Conditions in Plants*, by  
Non Lichtenthaler HK and Rinderle U. (1988), *CRC Crit Rev Anal Chem* 19, PP. 29-85
- 945 *Plant Stress Detection by Remote Measurement of Fluorescence*, by McFarlane JC, Watson RD,  
Non Theisen AF, Jackson RD, Ehrler WL, Pinter PJ, Idso SB and Reginato RJ (1980), *Appl. Optics* 19  
:3287-3289
- 946 *Durée de Vie et Rendement de Fluorescence de la Chlorophylle in Vivo. Leur Relation dans  
Non Différents Modèles d'Unités Photosynthétiques*, de Moya I. (1974), *Biochim. Biophys. Acat* 368, PP.  
214-227
- 947 *Passive Remote Sensing of Phytoplankton Via Chlorophyll a Fluorescence*, by Nevill RA and Gower  
Non JFR (1976), *J. Geophys. Re.* 82, PP. 3487-3493
- 948 *Time-Resolved Fluorescence of Conifers Exposed to Environmental Pollutants*, by  
Non Schneckenburger H and Frenz M (1986), *Radiat. Environ. Biophys.* 25, P. 289-295
- 949 *Time-Resolved Chlorophyll Fluorescence of Spruce Needles After Different Light Exposure*, by  
Non Schneckenburger H. and Schmmidt W. (1996), *J. Plant. Physiol.* 148, PP. 593-598
- 950 *Continuous Recording of Photochemical and Non-Photochemical Chlorophyll Fluorescence  
Non Quenching with a New Type of Modulation Fluorimeter*, by Schreiber U. , Schliwa U. and Bilger W.(  
1986), *Photosynth. Res.* 10, PP. 51-62
- 951 *Use of an Airbone Frounhofer Line Discriminator for the Detection of Solar Stimulated  
Non Luminescence*, by Watson RD and Hamphill WR (1975), U.S. Geological Survey, open file report  
76202
- 1158 *In situ variations of the xanthophylls diatoxanthin & fiadinoxantin :photoadaptation & relationships  
Oui with a hydrodynamical system in the eastern English channel*, C. BRUNET, JM. BRYLINSKI & Y.  
LEMOINE, *Inter-Research* (1993) Vol 102 :69-77.

## FLUORESCENCE

- 1206 *Operation of the Fluorescence Monitoring System(FMS) for Measuring Photosynthetic Characteristics in Macroalgae* by JL. MOUGET & G. TREMBLIN  
Oui
- 1286 *Quantitative Mapping of Leaf Photosynthesis Using Chlorophyll Fluorescence Imaging*, B. GENTY & S. MEYER - *Aus.J. Plant Physiol.* (1994), 22, P.277-84  
Oui
- 1291 *Long-term Photoacclimation of Haslea Ostrearia (Bacillariophyta) : Effects of Irradiance on Growth Rates, Pigment Content & Photosynthesis*, MOUGET, TREMBLIN, MORANT-MANCEAU, MORANCAIS & ROBERT, *European Journal of Phycology* (1999), Vol.34, PP109-115  
Non
- 1292 *Change in Light Quality due to a Blue-Green Pigment, Marennine, Released in Oyster-Ponds:Effects on Growth & Photosynthesis in 2 Diatoms, Haslea Ostreria & Skeletonema Costatum*, TREMBLIN, CANNUEL, MOUGET, RECH & ROBERT, *J. of Applied Phyco.* (2000)  
Non
- 1293 *Effects of Dissolved Inorganic Carbon Availability on Growth, Nutrient Uptake & Chlorophyll Fluorescence of Two Species of Marine Microalgae*, HUERTAS, MONTERO & LUBIAN, *Aquacultural Engineering* 22 (2000), PP.181-197  
Non
- 1326 *Bloom of a Toxic Cyanobacteria *Cylindrospermopsis* sp. In an Eutrophic Reservoir of the Brazilian Northeast Semi-Arid Region : Ecological & Human Consequences*, M. BOUVY, B. BEKER, R. MOLICA & S. NASCIMENTO - *Annales du Congrès (Paris, 22-25 Mai 1998)*  
Non
- 1327 *Neurotoxic *Cylindrospermopsis* sp. Blooms in Brazilian Waterbodies*, Ivème Conférence Internationale sur les Cyanobactéries Toxiques (27 sept/1er Oct. 1998 USA), R. MOLICA, S. NASCIMENTO, M. BOUVY & R. SILVA  
Non
- 1379 *Microbial Ecology in Aquatic Systems : A Review From Viruses to Protozoa*, C. AMBLARD, JC BOISSON, G. BOURDIER, D. FONTVIEILLE, X. GAYTE & T. SIME-NGANDO, *Revue des Sciences de l'Eau* (1998), PP.145-162  
Non
- 1459 *Effects of inorganic nitrogen availability on the sporophyte of *Acrostichum aureum* L.*, RS PILLAI & BL ONG, *Photosynthetica* 36 (1-2), 259-266 (1999)  
Oui
- 1532 *Photoadaptation & primary production study in tidally mixed coastal waters using a Lagrangian model*, F. LIZON, L. SEURONT, Y. LAGADEUC  
Non
- 1533 *Suitability of the Fluorescence Monitoring System (FMS, HANSATECH) for Measurement of Photosynthetic Characteristics in Algae*, Jean-Luc MOUGET, Gérard TREMBLIN - *Aquatic Botany* 74 (2002) PP.219-231  
Oui
- 1534 *New Type of Dual-Channel PAM Chlorophyll Fluorometer for Highly Sensitive Water Toxicity Biotests*, Ulrich SCHREIBER, Jochen F. MULLER, Anke HAUGG & Rolf GADEMANN  
Oui
- 1633 *A comparison of methods for detection of phosphate limitation in microalgae*, J. BEARDALL, T. BERMAN, P. HERAUD, M. OMO KADIRI, B. LIGHT, G. PATTERSON, S. ROBERTS, B. SULZBERGER, E. SAHAN, U. UEHLINGER, B. WOOD, *Aquat. Sci* 63 (2001) P107-121  
Oui
- 1634 *approaches for determining phytoplankton nutrient limitation*, J. BEARDALL, E. YOUNG & S. ROBERTS, *Aquatic Sciences* 63 (2001), PP. 44-69  
Oui
- 1639 *Fluorometric Depth-Profiling of Chlorophyll Corrected for Yellow Substances*, M. BEUTER, KH WILTSHIRE, C. LURING and C. MOLDAENKE, *Poster Presentation Aslo 2000*  
Oui

## FLUORESCENCE

---

- 1640 *A Fluorometric Method for the Differentiation of Algal Populations In Vivo and In Situ*, M. BEUTLER,  
Oui KH WILTSHIRE, B. MEYER, C. MOLDAENKE C. LURING, M. MEYERHOFER, UP HANSEN & H.  
DAU - *Photosynthetic Research* 72 : 39-53 (2002)
- 1642 *Engineering of Enhanced Glycine Betaine Synthesis Improves Drought Tolerance in Maize*, R.  
Oui QUAN, M. SHANG, H. ZHANG, Y. ZHAO & J. ZHANG, *Plant Biotechnology Journal* (2004), 2 PP.  
477-486
- 1645 *Chilling-Dependent Photoinhibition, Nutrition & Growth Analysis of Eucalyptus Nitens Seedlings*  
Oui *During Establishment*, D. C. CLOSE & C. L. BEADLE, *Tree Physiology* n°23, PP217-226 (2003)
- 1647 *Applications of Chlorophyll Fluorescence can improve Crop Production Strategies*, BAKER &  
Non ROSENQVIST, *Journal of Experimental Botany* 55 (August 2004) PP 1607-1621