



**Published References
Using Skye Instruments
With Trees & Forestry**

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Skye sensor quoted	Author names	Paper Title	Year of publication	Journal name	Vol No	Issue No	Page No
SKPM 1400/80	Virginia Sanz-Perez and Pilar Castro-Diez	Summer water stress and shade alter bud size and budburst date in three mediterranean Quercus species	2010	Trees Structure and Function	24	1	89-97
SKT 600	A.M.J. Siam, K.M. Radoglou, B. Noitsakis and P. Smiris	Physiological and growth responses of three Mediterranean oak species to different water availability regimes	2009	Forest Ecology & Management	258	1	35-43
SKT 600	Abubakr M.J.Siam, Kalliopo M.Radoglou, BasiliosNoitsakis and Pavlos Smiris	Differences in ecophysiological responses to summer drought between seedlings of three deciduous oak species	2009	Oecologia	162	1	Nov-21
SKPM 1405/40	Cristina Armas, Francisco M. Padilla, Francisco I.Pugnaire & Robert B. JACKSON	Hydraulic lift & tolerance to salinity of semiarid species: consequences for species interactions	2009	Tree Physiology	29	1	27-38
SKPM 1400/40	Katerina Iovi, Chrysa Kolovou and Aris Kyparissis	An ecophysiological approach of hydraulic performance nine Mediterranean species	2009	Tree Physiology	7		889-900
SKP 215	Mariangela N. Fotelli, Michael Nahm, Kalliopi Radoglou, Heinz Rennenberg, George Halyvopoulos and Andreas Matzarakis	Seasonal and interannual ecophysiological responses of beech (Fagus sylvatica) at its south-eastern distribution limit in Europe	2009	Forest Ecology & Management	257	3	1157-1164
SKPM 1400/80	Virginia Sanz-Perez and Pilar Castro-Diez and Peter Millard.	Effects of Drought and shade on nitrogen cycling in the leaves and canopy of Mediterranean Quercus seedlings	2009	Plant and Soil	316	01-Feb	45-56
SKPM 1405/40	Elena Paoletti, Nicola Contran, William J. Manning, Antonella Cstagna, Annamaria Ranieri & Francesco Tagliaferro	Protection of ash (Fraxinus excelsior) trees from ozone injury by ethylenediurea (EDU): Roles of biochemical changes & decreased stomatal conductance in enhancement of growth	2008	Environmental Pollution	155	3	464-472
SKPM 1405/40	Elmar M. Veenendaal, Khanyisa B. Mantlana, Norman W. Pammenter, Piet Weber, Phillipa Huntsman-Mapila & Jon Lloyd	Growth form and seasonal variation in leaf gas exchange of Colophospermum mopane savanna trees in northwest Botswana.	2008	Tree Physiology	28	3	417-424
SKPM 1405/40	Hazandy Abdul-Hamid, and Maurizio Mencuccini	Age and size related changes in physiological characteristics and chemical composition of Acer pseudoplatanus and fraxinus excelsior trees	2008	Journal of Arid Environments	72	5	583
SKT 600	K.W.Migliaccio, B. Schaffer, Y.C.Li, E.Evans,& J.H.Crane	Assessing benefits of irrigation and nutrient management practices on a southeast Florida royal palm (Roystonea elata) field nursery	2008	Irrigation Science	27	1	57-66
SKT 600	Rosie A.Fisher,Mathew Williams,Maria de Lourdes Ruivo,Antonio Lola de Costa,Patrick Meir	Evaluating climatic and soil water controls on evapotranspiration at two Amazonian rainforest sites	2008	Agricultural and Forest Meteorology	148		850-861
SKPM 1405/40	E. Paoletti, G.Seufert, G. Della Rocca, & H. Thomsen	Photosynthetic responses to elevated CO2 and O3 in Quercus ilex leaves at a natural CO2 spring	2007	Environmental Pollution	147	3	516-524

SKT 660	Elena L. Zvereva, Mikhail V. Kozlov	Facilitation of bilberry by mountain birch in habitat severely disturbed by pollution:Importance of sheltering,	2007	Environmental & Experimental Bio	60	2	170-176
SKT 660	Janne K. Eranen, Mikhail V. Kozlov	Competition and facilitation in industrial barrens: Variation in performance of mountain birch seedlings with distance from nurse plants.	2007	Chemosphere	67	6	1088-1095
SKPM 1400/80	Pilar Castro-Diez, Javier Navarro	Water relations of seedlings of three Quercus species: variations across and within species grown in contrasting light and water regimes	2007	Tree Physiology	27	7	1011-1018
SKPM 1405/40	Roman Zweifel, Kathy Steppe, and Frank J. Sterck	Stomatal regulation by microclimate and tree water relations: interpreting ecophysiological field data with a hydraulic plant model	2007	Journal of Experimental Botany	58	8	2113–2131
SKR 1800	C. Nichol, R. Clement, J. Moncrieff.	Spatial Variation in CO2 flux and PRI in a Thinned Sitka Spruce (<i>Picea sitchensis</i>) Forest using a Combined Airborne CO2 Flux and Remote Sensing System. Proceedings of AGU Fall Meeting, San Francisco, December 2006.	2006	Proceedings of AGU Fall Meeting, San Francisco, December 2006			
SKT 600	F.J. Baquedano and F.J.Castillo	Comparitive ecophysiological effects of drought on seedlings of the Mediterranean water-saver <i>Pinus halepensis</i> and water-spenders <i>Quercus coccifera</i> and <i>Quercus ilex</i>	2006	Trees-Structure and Function	20	6	689-700
SKPM 1405/40	Marianthi N. Tsakalimi, and Petros P.Ganatsas	Effect of chemical root pruning on stem growth, root morphology & performance of the Mediterranean pine <i>Pinus halepensis</i> Mill	2006	Scientia Horticulturae	109	2	183-189
SKR 1800	P. Balandier, G.Sonohat, H. Sinoquet, C. Varlet-Grancher & Y.Dumas	Characterisation, prediction & relationships between different wavebands of solar radiation transmitted in the understorey of even-aged oak (<i>Quercus petraea</i> , <i>Q. robur</i>) stands	2006	Trees -Structure and Function	20	3	363-370
SKPM 1400/80	Pilar Castro-Diez, Javier Navarro, Ana Pintado, Leopoldo G.Sancho and Melchor Maestro	Interactive effects of shade and irrigation on the performance of seedlings of three Mediterranean <i>Quercus</i> species	2006	Tree Physiology	26	3	389-400
SKPM 1405/80	Silvia Molla, Pedro Villar-Salvador, Patricio Garcia-Fayos, Juan L. Penuelas Rubira.	Physiological and transplanting performance of <i>Quercus ilex</i> L. (HOLM OAK) seedlings grown in nurseries with different winter conditions	2006	Forest Ecology & Management	237	01-Mar	218-226
SKP 215	Sun Huizhen, Sun Long, Wang Chuankuan and Zhou Xiaofeng	Sap flow of the major tree species in the east mountainous region in northeast China	2006	Forestry	1	4	387-393
SKP 210	E.W.S. Lee, B.C.H. Hau, R.T. Corlett.	Natural regeneration in exotic tree plantations in Hong Kong, China.	2005	Forest Ecology & Management	212,	1-2,	358-366.
SKPM 1400/40	Francesca Covone, and Loretta Gratani	Age-related physiological and structural traits of chestnut coppices at the Castelli Romani Park (Italy)	2005	Annales des Sciences	63		239-247
SDL 5010	M. Olofsson, B. Ek-Olausson, N.O. Jensen, S. Langer, E. Ljungstrom.	The flux of isoprene from a willow coppice plantation and the effect on local air quality.	2005	Atmospheric Environment	39,	11	2061-2070
SDL 5400	Matthew I.Daws, Timothy R.H. Pearson, David.F.R.P. Burslem, C.E.Mullins & James W. Dalling	Effects of topographic position, leaf litter and seed size on seedling demography in a semi-deciduous tropical forest in Panama	2005	Plant Ecology	179	1	93-105

SKPM 1400/40	R. Inclan, B.S. Gimeno, P. Dizengremel and M.Sanchez	Compensation processes of Aleppo pine (<i>Pinus halepensis</i> Mill.) to ozone exposure and drought stress.	2005	Environmental Pollution	137	3	517-524
SKPM 1405/40	Raquel Cabral and Conor O'Reilly	The physiological responses of oak seedlings to warm storage	2005	Canadian Journal for Forest Rese	35	10	2413-2422
SKPM 1405/40	Sebastian Leuzinger, Gerhard Zotz, Roman Asshoff & Christian Korner	Responses of deciduous forest trees to severe drought in Central Europe	2005	Tree Physiology	25	6	641-650
SKP 215	Thomas Motzer	Micrometeorological aspects of a tropical mountain forest	2005	Agricultural & Forest Meteorology	135	01-Apr	230-240
SKP 215	Thomas Motzer, Nicole Munz, Manfred Kupperts, Dieter Schmitt and Dieter Anhuf	Stomatal conductance, transpiration and sap flow of tropical montane rain forest trees in the southern ecuadorian Andes	2005	Tree Physiology	25	10	1283-1293
SKR 1800	U.L. Ladekarl, K.R. Rasmussen, S. Christensen, K.H. Jensen, B. Hansen.	Groundwater recharge and evapotranspiration for two natural ecosystems covered with oak and heather.	2005	Journal of Hydrology	300,	01-Apr	76-99
SKP 215	Eshetu Yirdaw, & Olavi Luukkanen	Photosynthetically active radiation transmittance of forest plantation canopies in the Ethiopian highlands	2004	Forest Ecology & Management	188	01-Mar	17-24
SKPM 1400/40	Kvin Black, Phill Davis, Joseph McGrath, Pat Doherty, Bruce Osborne	Interactive effects of irradiance and water availability on the photosynthetic performance of <i>Picea Sitchensis</i> seedlings: implications for seedling establishment under different management practices	2004	Annales des Sciences	62		413-422
SKP 215	L. Sack.	Response of temperate woody seedlings to shade and drought: do trade-offs limit potential niche differentiation?	2004	OIKOS	107,		110-127
SKPM 1400/40	Michael P.Perks, James Irvine & John Grace	Xylem acoustic signals from mature <i>Pinus Sylvestris</i> during an extended drought	2004	Annales des Sciences	61	01-Aug	
SKPM 1400/40	Miguel Verdu.	Physiological and reproductive differences between hermaphrodites and males in the androdioecious plant <i>Fraxinus Ornus</i>	2004	OIKOS	105		239-246
SKR 110	R.S. Capers, R.L. Chazdon.	Rapid assessment of understory light availability in a wet tropical forest.	2004	Agricultural & Forest Meteorology	123	03-Apr	177-185
SKP 215, SKTS 200/U	A. D. B. Leakey, M. C. Press, J. D. Scholes.	High-temperature inhibition of photosynthesis is greater under sunflecks than uniform irradiance in a tropical rain forest tree seedling.	2003	Plant, Cell & Environment	26	10	1681-1690
SKP 215	D. Gansert	Xylem sap flow as a major pathway for oxygen supply to the sapwood of birch (<i>Betula pubescens</i> Ehr.)	2003	Plant, Cell & Environment	26,	11	1803-1814
SKP 215	G. Grassi, G. Minotta, R. Giannini, U. Bagnaresi.	The structural dynamics of managed uneven-aged conifer stands in the Italian eastern Alps.	2003	Forest Ecology & Management	185	3	p225-237
SKP 210	J.L. Medhurst, E.A. Pinkard, C.L. Beadle, D. Worledge.	Growth and stem form responses of plantation-grown <i>Acacia melanoxylon</i> (R. Br.) to form pruning and nurse-crop thinning.	2003	Forest Ecology & Management	179,	1-3,	183-193.
SKP 215, SI 724	L. Sack, P.J. Grubb, T. Maranon.	The functional morphology of juvenile plants tolerant of strong summer drought in shaded forest understories in southern Spain.	2003	Plant Ecology	168,		139-163.
SKPM 1400/40	P.Pesoli, L. Gratani and W.Larcher	Responses of <i>Quercus ilex</i> from Different Provenances to Experimentally imposed Water Stress	2003	Biologia Plantarum	46	4	577-581

SKS 1100	S. Rambal, J-M. Ourcival, R. Joffre, F. Mouillot, Y. Nouvellon, M. Reichstein, A. Rochetau.	Drought controls over conductance and assimilation of a Mediterranean evergreen ecosystem: scaling from leaf to canopy.	2003	Global Change Biology	9,		1813-1824.
SKT 600	Sara Strati, Sandra Patino, Caley Slidders, Edward P.Cundall & Maurizio Mencuccini	Development and recovery from winter embolism in silver birch:seasonal patterns and relationships with the phenological cycle in oceanic Scotland	2003	Tree Physiology	23		663-673
SKP 215	T.R. Baker, D.F.R.P. Burslem, M.D. Swaine.	Associations between tree growth, soil fertility and water availability at local and regional scales in Ghanaian tropical rain forest.	2003	Journal of Tropical Ecology	19,		109-125.
SKP 215	T.R.H. Pearson, D.F.R.P. Burslem, C.E.Mullins, and J.W. Dalling	Functional Significance of Photoblastic germination in neotropical pioneer trees:a seed's eye view.	2003	Functional Ecology	17	3	394-402
SKS 1100	A. Geßler, J. Kreuzwieser, T. Dopatka, H. Rennenberg.	Diurnal courses of ammonium net uptake by the roots of Adult beech (<i>Fagus sylvatica</i>) and spruce (<i>Picea abies</i>) trees	2002	Plant and Soil	240	1	22-32
SKH 2011	D.A. Norton.	Edge effects in a lowland temperate New Zealand rainforest.	2002	Journal of Thermal Biology	ce Internal Series 27		33
SKPM 1400/40	Filippo Bussotti, Davide Bettini, Paolo Grossoni, Silvia Mansuino, Renzo Nibbi, Costanza Soda and Corrado Tani	Structural and functional traits of <i>Quercus ilex</i> in response to water availability	2002	Environmental & Experimental Bo	47	1	11-23
SKP 215	L. Sack, P.J. Grubb.	The combined impacts of deep shade and drought on the growth and biomass allocation of shade-tolerant woody seedlings.	2002	Oecologia	131,		175-185
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SKP 215	D. Sabillon, L.V. Cremades.	Diurnal and seasonal variation of monoterpane emission rates for two typical Mediterranean species (<i>Pinus pinea</i> and <i>Quercus ilex</i>) from field measurements - relationship with temperature and PAR.	2001	Atmospheric Environment	35,	26,	4419-4431
SKT 600	Imma Oliveras and Pilar Llorens	Medium-term sap flux monitoring in a Scots pine stand: analysis of the operability of the heat dissipation method for hydrological purposes	2001	Tree Physiology	21		473-480
SKP 210	C. He, F. Murray,T. Lyons.	Monoterpane and isoprene emissions from 15 <i>Eucalyptus</i> species in Australia.	2000	Atmospheric Environment	34,	4,	645-655
SKH 2010	K.V.R. Schafer, R. Oren, J.D. Tenhunen.	The effect of tree height on crown level stomatal conductance.	2000	Plant, Cell and Environment. ,	23		365-375
SKP 215	O.T. Lewis.	Effect of Experimental Selective Logging on Tropical Butterflies.	2000	Conservation Biology	15,	2,	389-400
SKP 215	Yngvar Gauslaa and Knut Asbjorn Solhaug	High-Light Intensity damage to the Foliose Lichen <i>Lobaria Pulmonaria</i> within Natural Forest: The applicability of Chlorophyll fluorescence methods	2000	The Lichenologist	32	3	271-289

SKPM 1405/40	Benoit Genere and Didier Garriou	Stock quality and field performance of Douglas fir seedlings under varying degrees of water stress	1999	Annales des Sciences	56		501-510
SKR 110	D.J. Schimpf, N.P. Danz.	Light passage through leaf litter: variation among northern hardwood trees.	1999	Agricultural & Forest Meteorology	97	2	103-111
SKE 510	D.W. Deering, T.F. Eck, B. Banerjee.	Characterization of the Reflectance Anistropy of Three Boreal Forest Canopies in Spring-Summer.	1999	Remote Sensing of Environment	67,	2,	205-229
SKH 2011	F.M. Kelliher, J. Lloyd, A. Arneth, B. Luhker, J.N. Byers, T.M. McSeveny, I. Milukova, S. Grigoriev, M. Panfyorov, A. Sogatchev, A. Varlargin, W. Ziegler, G. Bauer, S.-C. Wong, E.-D. Schulze.	Carbon dioxide efflux density from the floor of a central Siberian pine forest.	1999	Agricultural & Forest Meteorology	94,	3-4,	217-232
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SKS 1110	HJ.R. Aboal, M.S. Jimenez, D. Morales, J.M.Hernandez.	Rainfall interception in laurel forest in the Canary Islands.	1999	Agricultural & Forest Meteorology	97,	2,	73-86
SKS 1110	J.R. Aboal, D. Morales, M. Hernandez, M.S. Jimenez.	The measurement and modelling of the variation of stemflow in a laurel forest in Tenerife, Canary Islands.	1999	Journal of Hydrology	221,	3-4,	161-175
SKP 215	M.J. Clearwater, T. Nifinluri, and P.R. van Gardingen	Forest fire smoke and a test of hemispherical photography for predicting understorey light in Bornean tropical rain forest	1999	Agricultural & Forest Meteorology	97	2	129-139
SKR 1800	J.Irvine, M.P. Perks, F. Magnani, & J.Grace	The response of Pinus Sylvestris to drought: stomatal control of transpiration and hydraulic conductance	1998	Tree Physiology	18		393-402
SKP 215	Jens Emborg	Understorey Light Conditions & regeneration with respect to the structural dynamics of a near-natural temperate deciduous forest in Denmark.	1998	Forest Ecology & Management	106	02-Mar	83-95
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SI 700	S.R. Pezeshki, R.D.DeLaune and W.H.Patrick, Jr.	Effect of Salinity on Leaf Ionic Content and Photosynthesis of Taxodium distichum L.	1998	American Midland Naturalist	119	1	185-192
SKP 215	H. Aminah, J. McP. Dick, J. Grace.	Rooting of Shorea leprosula stem cutting decreaseas with increasing leaf area.	1997	Forest Ecology & Management	91,	2-3,	247-254
SKR 110	H. Sharew, C.J. Legg, J. Grace.	Effects of ground preparation and microenvironment on germination and natural regeneration of Juniperus procera and Afrocarpus gracilior in Ethiopia.	1997	Forest Ecology & Management	93	3	215-225
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SKP 215	P. Madsen, J.B. Larsen.	Natural regeneration of beech (<i>Fagus sylvatica</i> L.) with respect to canopy density, soil moisture and soil carbon content.	1997	Forest Ecology & Management	97,	2,	95-105
SKP 210	S. Meloni, H. Sinoquet.	Assessment of the spatial distribution of light transmitted below young trees in an agroforestry system.	1997	Annales des Sciences Forestieres	54	4	
SKP 215	G. Minotta, S. Pinzauti.	Effects of light and soil fertility on growth, leaf chlorophyll content and nutrient use efficiency of beech (<i>Fagus sylvatica</i> L.) seedlings.	1996	Forest Ecology & Management	86,	1-3,	61-71
SKR 110	O. Atlegrim, K. Sjoberg.	Response of bilberry (<i>Vaccinium myrtillus</i>) to clear-cutting and single-tree selection harvests in uneven-aged boreal <i>Picea abies</i> forests.	1996	Forest Ecology & Management	86	1-3	39-50
SKP 215	Simon W. Zipperlen & Malcolm C. Press	Photosynthesis in relation to growth & seedling ecology of two dipterocarp rain forest tree species	1996	Journal of Ecology	84	6	863-876
SKT 600	Takefumi Ikeda	Xylem dysfunction in <i>Bursaphelenchus xylophilus</i> -infected <i>Pinus thunbergii</i> in relation to xylem cavitation and water status	1996	Ann. Phytopathol.Soc.Jpn	62		554-558
SKP 215	C. Messier, P. Puttonen.	Spatial and temporal variation in the light environment of developing Scots pine stands: the basis for a quick and efficient method of characterising light.	1995	Canadian Journal for Forest Rese	25	343-354	
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SKR 116/100	W. Galinski.	Non-random needle orientation in 1-year-old Scots pine (<i>Pinus sylvestris</i> L.) seedlings when adjacent to non-shading vegetation.	1994	Trees - Structure and Function.	8	3	160-164
SKPM 1405/40, SKT 600	John Townend	Effects of elevated carbon dioxide and drought on the growth and physiology of clonal sitka spruce plants (<i>Picea sitchensis</i>) (BONG.) Carr.)	1993	Tree Physiology	13	4	389-399
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