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Curriculum Vitae

KOIKE, Takayoshi

Nationality: Japanese
Born in June 20, 1953, Kobe City, Japan
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Research Interests:

- 1) Photosynthetic production processes of plants under changing environment: elevated O₃, nitrogen loading and elevated CO₂
- 2) Ecophysiological process of forest succession under changing environment
- 3) Plant-Insect interaction from the view point of plant defense
- 4) Allocation physiology of plant-symbiotic micro-organisms

Education:

- 1987, 12: Doctor of Agricultural Science, Nagoya University (No. 292) (in Forest Ecophysiology)
1981, 3: Leave-school from Graduate School of Agricultural Science, Nagoya University
1980, 3: Msc: Mater of Agricultural Science, Graduate School of Agricultural Science, Nagoya University (in Forest Ecophysiology)
1978, 3: Bsc: Lab. of Silviculture, Department of Forestry, Kyoto Prefecture University

Title of Thesis

- PhD: Ecophysiological study on the photosynthetic characteristics of seral deciduous broadleaved tree species in northern Japan. (1987)
Msc: Ecophysiological study on the shoot formation and biochemical adjustment of photosynthesis of Hinoki cypress seedlings (1980)
Bsc: Demography on the natural regeneration of Hinoki cypress (*Chamaecyparis obtusa*) in its man-made forest (1978)

Occupation:

- 2006, 4: Professor of Silviculture and Forest Ecology, Research Faculty of Agriculture, Concurrent Professor of Graduate School of Agriculture, Hokkaido University And Department of Forest Science, Hokkaido University
2005, 4: Concurrent Professor of Graduate School of Environmental Science, Hokkaido University (~2006.3)
2001. 6: Guest Professor of the Forest Plant Ecology, Key Lab. Northeast Forestry,

University, China

- 1999, 4: Guest Researcher of the National Institute of Environmental Studies
- 1998, 4: Guest Professor of Graduate School of Life and Environmental Science, The University of Tsukuba (~2001.3)
- 1996, 4: Professor of Forest Ecophysiology, Hokkaido University Forests
- 1995, 4: Associate Professor, United Graduate School of Agriculture, Tokyo University of Agriculture and Technology (~1996.3)
- 1994, 10: Associate Professor, Department of Environmental Resources Science, Tokyo University of Agriculture and Technology
- 1993, 4: Researcher, Special Project Member of Global Change, The University of Tsukuba (~1997, 3)
- 1991, 9: Leader of Ecophysiological Lab. Forestry and Forest Products Research Institute Hokkaido Research Center (~1994, 10)
- 1991, 1: Guest Researcher of the University of Joensuu, Department of Biology, Finland, (~1991, 2)
- 1988, 5: Post Doctoral Fellow, Ecophysiology Research Group, Swiss Federal Institute for Forestry Research (WSL), ETH, Birmensdorf ZH. Zurich, Switzerland (~1989, 5)
- 1981, 4: Research Officer, Forestry and Forest Products Research Institute Hokkaido Research Center (~2005.3)

Part-time Professor

- 2014, 7: The Boling College, College of Life Science, Nankai University (Plant Physiological Ecology) (~2015,7)
- 2013, 8: Department of Forest Resource Sciences, Ehime University (Forest Aesthetics)
- 2012, 8: Summer School of KyungHee University, Korea (Plant New Material Science)
- 2010, 8: Graduate School of Biophysics, Tokai University (Biological Science)
- 2010, 10: Seminar of FACE at Technical University of Munich (TUM), Germany
- 2009, 12: Graduate School of Life Science and Agriculture, Nagoya University (Advanced Silviculture)
- 2009, 9: Department of Environmental System, Rakuno Gakuen University (Plant physiology, Functional Anatomy in plants) (~2011,9)
- 2009, 7~: Department of Environment and Natural Resources, Tokyo University of Agriculture and Technology (Ecophysiological of Trees)
- 2008, 12: Graduate School of Agriculture (Forest Science course), Kyoto University
- 2008, 10: Summer School of Technical University of Munich (TUM), Germany (History of Forest Aesthetics)
- 2007, 8: Department of Environment and Natural Resources, Tokyo University of Agriculture and Technology (Bio Resources)
- 2007, 6: Graduate School of Science, Kyushu University (Plant Physiology)
- 2007, 10: Research group for plant physiological ecology of Technical University of Munich, Germany, (FACE research)
- 2005, 9: Graduate School of Technology, Hokkaido Tokai University (Bio Technology)
- 2002, 4: Department of Eco-region system, Tokyo University of Agriculture and Technology (Plant Physiological Ecology)(~2006,8)
- 1999, 4: Graduate School of Science, Kyoto University (Physiological Ecology of Woody plants)

1998,4~: Graduate School of Life and Agriculture Science, The University of Tokyo
(~2005) (Tree Physiology)
1998,12: Graduate School of Science, Tokyo Metropolitan University
Graduate School of Forest Resources, Shizuoka University
1997, 4: Graduate School of Bio-Resources, Mie University
(until 2006.3)

Awards and license

2006: Excellent Research Award in the Association of Japanese Forest Technology
2006: Excellent Research Award in Japanese Forest Society
2004: Excellent teacher Award for Chinese students by Chinese Ministry of Education
2004: Contribution award to Air pollution Congress at Tsukuba
1980: Pass the examination of NPA(National Personnel Authority) and CSC (Civil Service Commission) of Japanese Government

Review board

Tree Physiology (1999, 2005-2007), Northern Forestry (Japanese, 1998-), Eurasian Journal of Forest Research (2000-), FOSNOLA (WSL: Switzerland: 2005-), Journal of Forest Research (2002-2003), Journal of Forest Health (2003-), Journal of Plant Research (1996-1999), Journal of Forest Science (2011~), Bulletin of Botanical Research (China: 2005-), Northern Forestry (1988-). European Journal of Forest Research (2008~), Trees structure and function (2007~: Editorial Board 2010~).

Review experience

Acta Physiologia Plantarum, Agriculture and Forest Meteorology, Ecology, Ecological Research, Environmental and Experimental Botany, European Journal of Forest Research, Forest Ecology and Management, Forest, Snow and Landscape Research, Global Change Biology, Journal of Forest Research, Journal of Plant Research, New Phytologist, Oecologia, Plant Cell & Environment, Physiologia Plantarum, Trees; structure and function, Tree Physiology, Polish Journal of Environmental Science, Polish Journal of Forest Science (Potnam),

Council member

Science Council of Japan (Research member of Forest eco-hydrology 2005~2008)
Japanese Forest Society, Hokkaido Branch, President (2008~2010)
Boreal Forest Society (2012~)
Japanese Society of Forest, Vice president (2010~2012)
Japanese Atmospheric Environment, North Japan (20012~)
Hokkaido Forest Tree Breeding Association (2006~2011)
Referee Board of JSPS (1999, 2002, 2006,7, 2009, 2010, 2011)

(in English) is referred to KoikeEngPub in

HP:<http://www.agr.hokudai.ac.jp/fres/silv/index.php?Koike%20Takayoshi> English Publication

<http://www.agr.hokudai.ac.jp/fres/silv/index.php?plugin=attach&pcmd=open&file=KoikeEngPub.pdf&refer=Koike%20Takayoshi>