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Curriculum Vitae

KOIKE, Takayoshi

Nationality: Japanese
Born in June 20, 1953, Kobe City, Japan
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June 21, 2010

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

- 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)
- 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, (History of Forest Aesthetics)
- 2008, 8: Department of Environment and Natural Resources, Tokyo University of Agriculture and Technology (Ecophysiological of Trees)
- 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 Environment and Natural Resources, Tokyo University of Agriculture and Technology (Plant Physiological Ecology)(~2006,8)
- 1999, 4: Graduate School of Science, Kyoto University
Graduate School of Life and Agriculture Science, The University of Tokyo (~2005)
- 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), 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

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), Acta Physiologiae Plantarum

Council member

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

Research Funds from 2006

>note: Research period: Start April to March,
Budget size: Innovation research- 1,500,000-2,000,000yen/yr:
Type A: 1,000,000-1,500,000yen/yr: Type B: 500,000-800,000yen/yr
(Name in the parenthesis is representative scientist, no name means the representative is Koike)

1) Basic research (Type B): Analysis of the genetic structure of Japanese white oak (2010-2012: Prof. K. Harada)

2) Innovation research: Parameterization of photosynthetic function and xylem formation of trees grown under elevated CO₂ with FACE (2009~2014)

3) Basic research (Type B): Evaluation of soil respiration and carbon allocation in plant-mycorrhizal symbiosis of trees grown under elevated CO₂ with FACE (2008-2011)

4) Basic research (Type A): Evaluation of nitrogen missing link and its dynamics in boreal forest ecosystems (2008-2011: Prof. Y. Hashidoko)

5) Basic research (Type B): Analysis of the genetic diversity of shoot phenology in Japanese white oak (2007-2010: Prof. K. Harada)

6) Basic research (Type B): Analysis of the localization of defense chemicals in deciduous broad-leaved trees raised under high CO₂ and nitrogen in FACE (2007-2008)

7) Basic research (Type A): Prediction of the forest dynamics and sustainable use of forest resources under changing environment with use of FACE system (2005-2009)

8) Basic research (Type A): Study on the effect of environmental change on the carbon and nutrient dynamics of larch forest ecosystem in Far East Asia (2005-2009, Prof. F. Satoh)

9) Basic research (Type A): Analysis of forest dynamics in the scale of basin level with use of large sided manipulation experiments (2004-2008, Prof. K. Sasa)

(in English) is referred to KoikeEngPub in

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

Publication list in English:

<http://www.agr.hokudai.ac.jp/fres/silv/index.php?plugin=attach&refer=%BE%AE%C3%D3%B9%A7%CE%C9&openfile=KoikeEngPub.pdf>