CURRICULUM VITAE

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EDUCATION:

Ph.D (Agriculture), March 2004

Hokkaido University, Sapporo, Japan

Thesis: Effect of various environmental changes on CH_4 dynamics in soil ecosystems (in Japanese).

M.S (Agriculture), March 1999

Hokkaido University, Sapporo, Japan

Thesis: Study of CH_4 flux from dam-lake and forest soils in Hokkaido, Japan. (in Japanese)

B.S (Agriculture), March 1997

Hokkaido University, Sapporo, Japan

RESEARCH INTERESTS:

Greenhouse gas fluxes from soil

Denitrification in soil

Boreal forest on permafrost

Tropical peatland

RESEARCH GRANTS:

2006-2008 JSPS for Grants-in-Aid for Young Scientists,

Title: Study of direct and indirect emission of N_2O in a small water catchments in Japanese forest. 3,300,000 yen (about $ 27,500.00)

PUBLICATIONS IN ENGLISH (Full papers, Proceedings and Abstracts):

Morishita T, Hatano R, Desyatkin RV (2007) N_2O flux in Alas ecosystems formed by forest disturbance near Yakutsk, Eastern Siberia, Russia. Eurasian J. Forest Research (in press)

Morishita T, Matsuura Y, Kajimoto T, Osawa A, Zyryanova OA, and Abaimov AP (2007) CO_2, CH_4, and N_2O flux in a larch forest in central Siberia as affected by urea fertilizer. Proceeding of the 7th International Conference on Global Change: Connection to the Arctic (GCCA-7)

Morishita T (2007) CO_2, CH_4, and N_2O fluxes from a larch forest soil in Siberia. Proceeding of the 7th International Conference on Global Change: Connection to the Arctic (GCCA-7)

Morishita T, Ishizuka S, Sakata T, Takahashi M, Kaneko S (2007) Effect of thining and clear-cutting on GHGs fluxes in Japanese forest soils. 4thUSDA Greenhouse Gas Conference

Takakai F, Morishita T, Hashidoko Y, Darung U, Kuramochi K, Dohong S, Limin SH., Hatano R. (2006) Effects of agricultural land-use change and forest fire on N_2O emission from tropical peatlands, Central Kalimantan, Indonesia. Soil Science and Plant Nutrition、52(5):662-674

Takakai F, Toma Y, Morishita T, Darung U, Dohong S, Limin SH., Hatano R. (2006) N_2O emissions from tropical peatland in Central Kalimantan, Indonesia. Proceedings of the International Workshop on Human Dimension of Tropical Peatland under Global Environmental Changes Bogor, Indonesia, September, 2006.

Morishita T, Ishizuka S, Sakata T, Takahashi M. (2006) CH_4 uptake and N_2O emission from the forest soils in Japan. World Congress of Soil Science Abstracts、18：697

Morishita T, Matsuura Y, Zyryanova OA, and Abaimov AP (2006) CO_2, CH_4, and N_2O fluxes from a larch forest soil in Central Siberia. In "Symposium on Envirionmental Change in Siberian Permafrost Region"、eds. Hatano R & Guggenberger G、pp1-10、Hokkaido Univ. Press.

Hatano R, Takakai F, Morishita T, Takao G, Desyatkin RV (2006) Contribution of forest fire and land covers to emissions of CO_2, CH_4, and N_2O in central Yakutia. In "Symposium on Envirionmental Change in Siberian Permafrost Region"、eds. Hatano R & Guggenberger G、pp39-54、Hokkaido Univ. Press.

Morishita T, Matsuura Y, Zyryanova OA, and Abaimov AP (2005) Effects of temperature and moisture on soil respiration in a larch forest in central Siberia
In Proceedings of the 6th International Conference on Global Change: Connection to the Arctic, 211-214

Morishita T, Hatano R, Takahashi K, Kondrashov LG (2005) Effect of Deforestation on CH_4 Uptake in Khabarovsk, Far East, Russia
Phyton, 45(1), 267-274

Morishita T, Hatano R, Nagata O, Sakai K, Koide T, Nakahara O (2004) Effect of nitrogen deposition on CH_4 uptake in forest soils in Hokkaido, Japan. Soil Science and Plant Nutrition, 50(8), 1187-1194

Nakano T, Sawamoto T, Morishita T, Inoue G, Hatano R (2004) A comparison of regression methods for estimating soil-atmosphere diffusion gas fluxes by a closed-chamber technique. Soil Biology and Biochemistry, 36, 107-113

Morishita T, Hatano R, Desyatkin RV (2003) CH_4 flux in an Alas ecosystem formed by forest disturbance near Yakustk, eastern Siberia, Russia. Soil Science and Plant Nutrition, 49 (3), 369-377

Morishita T, Hatano R, Takahashi K, Isaev AP, Desyatkin RV and Maximov TC (2002) Spatial and temporal change of methane fluxes on the line transect in thermokarst ecosystems, near Yakutsk, Russia, *In* Proceedings of the 10th Symposium on the Joint Siberian Permafrost Studies between Japan and Russia in 2001, 39-51

Morishita T, Hatano R, Sawamoto T, Nakahara O, Takahashi K, Isaev AP, Desyatkin RV and Maximov TC (2001) Methane Fluxes in Forest, Grassland and Wetland soils, near Yakutsk, Russia. *In* Proceedings of the 9th Symposium on the Joint Siberian Permafrost Studies between Japan and Russia in 2000, Hokkaido University, Japan, January, 150-155

Morishita T, Hatano R, Takahashi K and Desyatkin RV (2001) Assessing the CH_4 and N_2O Fluxes in Thermokarst ecosystems in Yakutsk, Russia. *In* Proceedings of the 2nd Workshop on Global Change: Connection to the Arctic, Hokkaido University, Japan, 115-116

Morishita T, Hatano R, Nagata O, Takahashi K, Shibuya M, Sapozhnikov AP, Kondrashov LG (2000) Methane Uptake of Forest Soil, near Khabarovsk. *In* Proceedings of the 8th Symposium on the Joint Siberian Permafrost Studies between Japan and Russia in 1999, 154-159

MEMBERSHIPS:

Japanese Society of Soil Science and Plant Nutrition
The Japanese Forest Society
The Japanese Society of Forest Environment
Japanese Society of Soil Physics
Soil Science Society of America