


Curriculum Vitae

1.	Name	Georgii A. ALEXANDROV		
2.	Date of Birth (age)	16 July 1959 (51 years old)		
3.	Present Address	Institute of Atmospheric Physics (Russian Academy of Sciences), Pyzhevsky 3, Moscow 119017, Russia Tel.: +7-963-620-7857 E-Mail: a_georgii@hotmail.com		
4.	Education	Faculty of Mathematics and Mechanics, Dept. of Applied Mathematics, Saratov State University, Saratov city, Russia		Sep 1976 – Jun 1981
		Post-graduate studentship of USSR Academy of Sciences, Computing Center of USSR Academy of Sciences, Moscow, Russia		Dec 1981 – Dec 1984
5.	Master degree	MSc in Applied Mathematics (Russian equivalent) from Saratov State University		May 1981
6.	Doctor Degree	PhD in Biophysics (Russian equivalent) from Moscow State University		Dec 1985
7.	Employment	National Institute for Environmental Studies, Tsukuba, Japan	NIES fellow	Apr 2002 – March 2011
		Tsukuba University, Tsukuba, Japan	Visiting scientist (<i>affiliated to Global Environmental Forum</i>)	Apr 1998 – Apr 2002
			Assistant professor	Mar 1997 – Mar 1998
			Foreign researcher	Jul 1995 – Mar 1996
			JSPS fellow	Jul 1994 – Jun 1995
		Institute of Atmospheric Physics (Russian Academy of Sciences), Moscow, Russia	Senior research associate (<i>non-paid sabbatical form 1997 to 2011</i>)	Jul 1992 – present
			Research associate	Oct 1990 – Jul 1992
		Computing Center (Russian Academy of Sciences), Moscow, Russia	Research associate	Dec 1988 – Sep 1990
		National Institute of Forestry and Forestry Mechanization, Poushkino, Moscow region, Russia	Junior research associate	Jan 1985 – Dec 1988
8.	Academic services	“Carbon Balance and Management” (www.cbmjournals.com), a peer-reviewed research journal on all aspects of global carbon cycle	Co-Editor-in-Chief	2006-present

(published by an autonomous branch of Springer)

International Environmental Modelling and Software Society (www.iemss.org)	A member of Directors Board	2009 - present
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Fourth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC)	Expert reviewer http://www.ipcc.ch/publications_and_data/ar4/wg1/en/annexesannex-iii.html , section 'Japan'	2005-2006
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Sigma Xi Moscow International Partner of Sigma Xi scientific research society (http://en.wikipedia.org/wiki/Sigma_Xi ; American Scientist, 2004, vol. 92 (5), p.487)	Founding member	2003 - present
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Sigma Xi, the scientific research society (www.sigmaxi.org), a honorable US based research society publishing American Scientist journal	member	1992 - present
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9. Publications (about 100)

Papers in peer-reviewed journals – 30

Alexandrov, G.A., Inoue, G., Matsunaga, T. 2011. Biospheric Aspects of Siberia Development. **EKO** (All-Russian economic journal) 2011 (2): 147-151; [http://econom.nsc.ru/ECO/arhiv/summary/summary2011_02.htm]; pre-printed version is available at Nature Precedings [<http://precedings.nature.com/documents/2478/version/2>]

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Alexandrov GA, Matsunaga T. 2008. Normative productivity of the global vegetation. **Carbon Balance and Management**, 3: 8. [<http://dx.doi.org/10.1186/1750-0680-3-8>]

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Alexandrov, G.A. and Yamagata, Y., 2007. A peaked function for modeling temperature dependence of plant productivity. **Ecological Modelling**, 200:189-192.

Alexandrov, G., 2007. Carbon stock growth in a forest stand: the power of age. **Carbon Balance and Management**, 2:4. DOI: 10.1186/1750-0680-2-4

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<http://dx.doi.org/10.1016/j.agrformet.2005.08.012>

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<http://dx.doi.org/10.1007/s10584-004-2801-2>.

Alexandrov, G.A., Oikawa, T. and Yamagata, Y., 2003. Climate Dependence of the CO₂ Fertilization Effect on Terrestrial Net Primary Production. **Tellus**, 55B, 669-675.

Alexandrov, G.A., Yamagata, Y., 2002. Net Biome Production of managed forests in Japan. **Science in China**, 45 (Supp): 109-115.

Alexandrov, G.A., Oikawa, T. and Yamagata, Y., 2002. The scheme for globalization of a process-based model explaining gradations in terrestrial NPP and its application, **Ecological Modelling**, 148: 293-306.

Alexandrov, G.A., Oikawa, T., 2002. TsuBiMo: a biosphere model of CO₂-fertilization effect. **Climate Research**, 19:265-270.

Inoue, G., Alexandrov, G.A., 2002. Siberian observing system for climate-change research as it has been formed by the moment and how it might be extended in the future, *Izvestiya of Atmospheric and Oceanic Physics*, 38(suppl.): S80-S83.

Golubyatnikov, L.L., Y. Yamagata and Alexandrov G.A., 2002. Stochastic Generator of Monthly Precipitation and

Monthly Average Temperature, *Izvestiya of Atmospheric and Oceanic Physics*, 38(1): 40-47.

Yamagata, Y., Alexandrov, G. A., 2001. Would forestation alleviate the burden of emission reduction? An assessment of the future carbon sink from ARD activities. *Climate Policy*, 1: 27-40.

Yamagata, Y., Alexandrov, G.A., 1999. Political Implications of Defining Carbon Sinks under the Kyoto Protocol, *World Resource Review*, 11/3:346-359.

Alexandrov, G.A., Oikawa, T. and Esser, G., 1999 Estimating terrestrial NPP: what the data say and how they may be interpreted? *Ecological Modelling*, 117: 361-369.

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experimental researches of the methane emission and consumption by the microbial communities of soil. *J. Obshchey Biologii (Journal of General Biology)*, 52:916-922.(in Russian)

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books - 16

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Alexandrov, G.A., 1985. Relief formation in the course of peat bog growth. In: **Mathematical biophysics**, Krasnoyarsk University Press: Krasnoyarsk, 145-151 (in Russian)

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Alexandrov, G.A., Matsunaga T., 2010. A scientific workflow tool for biosphere modelling: Carbon Sink Archives. . In: Proceedings of **5th International Congress on Environmental Modelling and Software: Modelling for Environment's Sake**, David A. Swayne, Wanhong Yang, A. A. Voinov, A. Rizzoli, T. Filatova (Eds.), International Environmental Modelling and Software Society (iEMSS), Ottawa, vol. 2, pp. 1542-1546. [<http://www.iemss.org/iemss2010/Volume2.pdf>]

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Alexandrov, G.A., 2001. Climate feedbacks from the peatland ecosystems. In: Report of the **International Workshop on Climate Change and Wetland Conservation**, Kushiro city, Japan, Sept. 20-21, 2001 (Eds. T. Tsujii, Y. Yamagata and K. Matsui), CGER/NIES, pp. 93-

Alexandrov, G. A., Oikawa, T. 1999. Global grid of stomatal conductance: toward continuous spatial distribution, In: Proceedings of **International Workshop on Land-Surface Water Budget**, 19-21 January, Meteorological Research Institute, Tsukuba, Japan, 125-129

Alexandrov G.A., Oikawa, T., 1997. Certainties and uncertainties in Net Primary Production at global scale. In: Proc. **International Workshop on Global Change and Terrestrial Environment in Monsoon Asia**, Tsukuba University, 178-181.

Alexandrov, G.A., Tishkov, A.A., Brovkin, V.A., Stepanov, A.L., 1996. Traditional approaches to land use in the light of global environmental changes. Proc. of UNESCO-University of Tsukuba **International Seminar on Traditional Technology for Environmental Conservation and Sustainable Development** in the Asian-Pacific Region, held in Tsukuba Science City, Japan, 11-14 December, 1995 (Eds. K. Ishizuka et al.), University of Tsukuba, 61-65

Alexandrov G.A., Oikawa, T., 1995. Optimal adjustment of light attenuation coefficient to leaf area index. In: Proc. of Annual 1995 Meeting of **Japanese Agricultural Meteorological Society**, 62-63

Alexandrov, G.A., Oikawa, T., 1995. Net ecosystem production resulted from CO₂ enrichment: evaluation of potential response of a savannah ecosystem to global changes in atmospheric composition. In: Proc. of the Tsukuba **Global Carbon Cycle** Workshop, NIES, 161-168

Alexandrov, G.A., 1993. Succession system approach to evaluation of climate change effect on global plant cover. Proceedings of **International Symposium on Global Change**, Waseda University:Tokyo, 447-455

Alexandrov, G.A., 1989. Succession modeling and reconstruction of paleoclimate. In:**Structure and development of wetland ecosystems** (M. Ilomets, ed.), Tallinn, 34-40 (in Russian)

Alexandrov, G.A., 1989. Deciduous patches in spruce stands as the mean for enhancing their water-regulating value, In: **Young scientists to forestry**, Proceedings of All-Union conference of young scientists and post-graduate students, VNILM: Poushchino, 79-81 (in Russian)

Alexandrov, G.A., Mikhailova, A.S., 1989. False correlations and false doubts in assessing forest impact on river run-off. In: **Young scientists to forestry**, Proceedings of All-Union conference of young scientists and post-graduate students, VNILM: Poushkino, 91-92 (in Russian)

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Goloubchikov, S.I., Alexandrov, G.A., 1989. Classification of practical recommendations on enhancement of water-protecting functions of forest (for forest zone), In: **Young scientists to forestry**, Proceedings of All-Union conference of young scientists and post-graduate students, VNILM: Poushkino, 120-123 (in Russian)

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ries

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