

ROMAN I. ZLOTIN

Curriculum Vitae

CURRENT AFFILIATION:

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| Department of Geography | Central Eurasian Studies Dept. | Department of Biology |
| Senior Lecturer | Visiting Senior Lecturer | Adjunct Professor |
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EDUCATION

- Ph.D. Biogeography and Soil Geography, USSR Academy of Sciences, Moscow. Dissertation: Spatial Structure and Productivity of High-Mountain Ecosystems of Tien Shan (1970)
- M.S. Biogeography, Moscow State University, USSR, Moscow (1963)

PROFESSIONAL EMPLOYMENT (CURRENT)

- 1992-2001 *Visiting Professor and Researcher*, School of Public and Environmental Affairs, Department of Geography, Russian and East European Institute, Department of Central Eurasian Studies, Indiana University
- 1998, 2000-2001 *Distinguished Visiting Scholar-in-Residence*, Center for the Study of Global Change, Indiana University
- Since 2002 *Senior Lecturer*, Department of Geography, Indiana University
Visiting Senior Lecturer, Department of Central Eurasian Studies, Indiana University
- 1996-2000 *Visiting Researcher*, Department of Biology, The University of New Mexico
- Since 2001 *Adjunct Professor*, Department of Biology, The University of New Mexico

Teaching of seventeen courses at both graduate and undergraduate levels in Ecology, Geography, and
 and
 Environmental Science
Research in Ecology, Geography, and Environmental Science

PROFESSIONAL EMPLOYMENT (FORMER)

- 1963-95 Research Scientist, Department of Biogeography, The Institute of Geography, Russian Academy of Sciences, Moscow
- 1983-94 Chair, Department of Biogeography, the Institute of Geography, Russian Academy of Sciences

Biology

Research in Ecosystem Ecology, Regional Geography, Global Change, and Conservation

Long-Term Ecological Research at field experimental sites in arctic, forest, grassland, desert and alpine ecosystems. Supervision of undergraduate, graduate and Ph.D. students

Expertise in Environmental Risk Assessment and Biodiversity Conservation in areas of economic development

Teaching an undergraduate course in Biogeography, and summer courses in Experimental Ecosystem Ecology and Environmental Biology

AREAS OF SPECIALIZATION AND RESEARCH INTERESTS

Geography: Landscape, Ecosystem and Population Geography, Geography of the Soils

Environmental Science and Applied Ecology: Impact of Environmental Degradation on Biodiversity and Public Health, Effects of Global Climate and Land Use Change on Terrestrial Ecosystems, Biodiversity Conservation and Ecosystem Restoration

Terrestrial Ecology: Structure, Function, Succession and Evolution of Terrestrial Ecosystems, Plant-Animals and Animal-Microorganisms Interactions, Global and Regional Patterns of Biological Production and Decomposition, Functions of Biodiversity

PROFESSIONAL SOCIETIES

Ecological Society of America, Soil Ecology Society of America

UNIVERSITY CLASSES TAUGHT

Biogeography of the Former USSR (new, 1992, SPEA): environmental science

Environmental Degradation in the former USSR (new, 1993, SPEA): environmental science

Ecology of Northern and Central Asia (new, 1994-1996, CEUS): environmental ecology

World Regional Geography (undergraduate level, 1997-2003, Geography): non-majors geography

Geography of the Former Soviet Lands (new, 1994-2002, Geography): geography

Nature and Culture of the Soviet Eurasia (new, 1992, REEI): seminar in Russian

Current Issues: Russia and Its Neighbors (new, 1998-2002, REEI): in Russian

Global Environmental Issues (new, 2000, 2003, International Studies): in Russian

Introduction to International Studies: World Biogeography (new minor, 1999-2003, Center for the Study of Global Change): ecology, geography

Environmental Problems and Policies in the Former USSR (new, 1999, SPEA): environmental science

Environmental Problems and Policies in the Former USSR (new, 1999, REEI): seminar in Russian

Environmental Biogeography (new, 1999, Geography): geography

Physical Systems of the Environment (undergraduate level, 1999-2003, Geography): non-majors geography

Human Impacts on Environment (undergraduate level, 2000, Geography): non-majors geography

Global Environmental Change (undergraduate level, 2000, 2001, Geography): non-majors geography

Global Environmental Issues (undergraduate level, new, 2002, International Studies): environmental science

Environmental Problems and Social Constraints in North Central Eurasia (new, 2002, CEUS),
environmental science

GRADUATE STUDENTS DIRECTED (25 total)

During his academic work in Russian Institute of Geography Zlotin directed 9 Ph.D. students and 16 students of MS level.

PRIMARY ACADEMIC APPOINTMENTS

Extensive academic work, including leadership and supervision of research development and research grants review. Exceptional assignments include:

- 1965-95 Scientific leadership and logistic support of thirty geographic and ecological expeditions in different regions of the former Soviet Union, including seven international expeditions
- 1989-94 Member of Scientific Steering Committee of the Core Project “Global Change and Terrestrial Ecosystems” of International Geosphere-Biosphere Program “Global Change”
- 1980-95 Member of Russian National Committee of the Man and Biosphere Program in Five Working Groups on the Study of the Arctic, Alpine, Island, Grassland Ecosystems, and the Biosphere Reserves
- 1986-94 Co-P.I. of the Russian-Polish Academic Cooperative Project on Landscape Ecology “Structure and Functioning of Ecosystems in Agricultural Landscape”
- 1992-98 Member of Working Group on Protected Territories of International Union for the Conservation of Nature and Natural Resources (IUCN, Switzerland)
- 1983-92 Scientific leadership of Russian Ecological Expedition to Spitsbergen (Norway)
- 1981-89 Secretary of the Soviet-Vietnamese Academic Program “National Atlas of Vietnam”, editor of Physical-Geographic Section and the Chapter “Biological Resources”
- 1972-77 Member of Russian National Committee of International Biological Program on Grasslands

OTHER ACADEMIC APPOINTMENTS

- 1996 Designated as co-organizer of International Conference “Environmental Protection in Poland and the Region” (Indiana University)
- 1995 Co-Chair of Symposium “Terrestrial Ecosystems and Global Climate Change” of the International Geographic Union Conference “Global Change and Geography” (Russia)
- 1993-95 Coordinator of Core Project “Global Change and Terrestrial Ecosystems” of Russian National Committee of Geosphere-Biosphere Program “Global Change”
- 1991-94 Member of Editorial Board of Arctic and Alpine Research Journal, Boulder, Colorado
- 1991-92 Contributor to the Comprehensive Program “The Lake Baikal Region in the Twenty First Century: a Model of Sustainable Development or Continued Degradation”. Cooperative Project of the Center for Citizen Initiatives-U.S.A., Davis Associates and Russian Academy of Sciences
- 1981-95 Member of Editorial Board of Proceedings of the Russian Academy of Sciences, Geography Series
- 1980-95 Member of Russian National Geographic Society

- 1979 Scientific Secretary of the Symposiums “Geography”, “Island Ecosystems” of the 14th International Pacific Science Congress (Khabarovsk, USSR)

RELATED NON-ACADEMIC APPOINTMENTS

- 1985-96 Expert of Russian Ministry of Natural Resources and Environmental Protection on Environmental Risk Assessment of Regional Projects of Economic Development
- 1991-94 President of the Russian Environmental Non-Governmental Organization “The Earth” Established for protection of the rural environment and natural ecosystems
- 1976 Deputy General Secretary of 23rd International Geographical Congress (Moscow, USSR)

PRESENTED PAPERS (63 total)

- Zlotin, R.I., and Parmenter, R.R. 2002. Dynamics of Juniper, Pinyon and Oak Mast Production in Woodland Ecosystems of Central New Mexico. ESA Annual Meeting. Tucson, Arizona.
- Zlotin, R.I. 2000. Environmental Situation in Russia and Other N.I.S. International Studies. Indiana University. Bloomington.
- Zlotin, R.I. 2000. Environmental Degradation in Russia and Its Neighbors. NCAR. Colorado. Boulder.
- Zlotin, R.I. 1999. Dynamics of Root Decomposition in the Desert Ecosystems of Central Uzbekistan (Central Asia). Soil Ecology Society International Conference. Chicago. Illinois.
- Zlotin, R.I. 1998. Environmental Degradation in the Former USSR. Geography Awareness Week, 1998. IUPUI. Indianapolis.
- Zlotin, R.I. 1997. Patterns of Root Biomass Distribution in Two Grama Communities of the Southwest. ESA Annual Meeting. Albuquerque, New Mexico.
- Zlotin, R.I. 1997. Role of Abiotic and Biotic Factors in Decomposition Processes of Tall Grass Ecosystems (Eastern Europe). Soil Ecology Society International Conference. Kansas. Manhattan.
- Zlotin, R.I. 1996. Contemporary State of the Rural Environment in Russia. International Conference on Poland and the Region. Indiana University. Bloomington.
- Zlotin, R.I. 1995. Environmental Degradation of the Rural Environment in Russia. UNESCO Conference “Landscape Diversity: a Chance for the Rural Community to Achieve a Sustainable Future”. Poland.
- Goryachkin, S.V., and Zlotin, R.I. 1995. Spatial and Temporal Organization of the Arctic Ecosystems. Conference of International Geographic Union “Global Change and Geography”. Russia, Moscow.
- Zlotin, R.I. 1995. Current Environmental Problems in the Former USSR. University of Washington. Seattle.
- Zlotin, R.I. 1994. Global and Regional Patterns of Organic Matter Structure in Different Terrestrial Biomes. First Science Conference on Global Change and Terrestrial Ecosystems. International Geosphere-Biosphere Program “Global Change”. Massachusetts. Woods Hole.
- Zlotin, R.I. 1993. Current State of the Environment in the Former Communist East European Countries. The US-Polish Conference on the Development in Poland and the Region. Indiana University. Bloomington.
- Zlotin, R.I. 1992. Environmental Degradation in the ex-USSR as a Threat to the Rest of the World. La Jolla University, Louisiana.
- Zlotin, R.I., and Bazilevich, N.I. 1991. Global Maps of Organic Matter Structure in Terrestrial Ecosystems. SCOPE Conference on Geography of Organic Matter Production and Decay. Poland, Warsaw.
- Zlotin, R.I. 1990. Diversity and Contemporary State of Ecosystems in the Aral Sea Watershed. International

- Conference on the Aral Sea Problems. Indiana University. Bloomington.
- Kotlyakov, V.M., Drozdov, A.V., Zlotin, R.I., and Tishkov, A.A. 1989. The Concept of Geosphere-Biosphere Observatories (Regional Research Centers) and its Application to the Study of Changes in the Eurasian Continent. SCOPE Conference on Regional Research Centers. Poland, Warsaw.
- Zlotin, R.I. 1989. Global Climate Change and Dynamics of Terrestrial Ecosystems. International Congress of Ecology. Japan, Yokogama.
- Zlotin, R.I. 1988. Geocology of Spitsbergen Archipelago: the Results of the Study and Some Perspectives. International Scientific Arctic Conference. Russia, Leningrad.
- Zlotin, R.I. 1987. Nature Conservation in the USSR. The Fourth World Wilderness Congress. Colorado. Denver.
- Zlotin, R.I. 1985. Role of Herbivores in Stability of Terrestrial Ecosystems. International Conference on Herbivory. Russia, Novosibirsk.
- Zlotin, R.I. 1984. The Role of Soil Fauna in Formation of Soil Properties. International Workshop on Soil Ecology and Management. Poland, Poznan.
- Zlotin, R.I., Tishkov, A.A. 1983. System of Characteristics for Study of Structure and Dynamics of terrestrial ecosystems. International Congress on the Biosphere Reserves. Belarus, Minsk.
- Zlotin, R.I., Margolina, N.Y., Samarina, N.N., and Utekhin, V.D. 1979. Changes of Some Characteristics of Natural Ecosystems Under Impact of Agriculture. Commission of International Geographic Union on the Environmental Problems. Russia, Moscow.
- Zlotin, R.I., and Targulian, V.O. 1979. Complexes of Soils and Animals in Island Ecosystems of Oceania. XIV Science Pacific Congress. Russia, Khabarovsk.
- Zlotin, R.I. 1979. Structure of Animal Communities in Island Ecosystems of South West Pacific. XIV Science Pacific Congress. Russia, Khabarovsk.
- French, N.R., Ryzkowsky, L., Titlyanova, A.A., and Zlotin, R.I. 1978. Comparison of Organic Matter Structure in Different Agroecosystems. International Congress of Ecology. Israel, Jerusalem.
- Zlotin, R.I. 1976. Structure and Productivity of High Mountain Ecosystems of Central Tien Shan. XXIII International Geographical Congress. USSR, Moscow.
- Zlotin, R.I., and Khodashova, K.S. 1978. Role of Animals in Function of Forest Steppe Ecosystems. XXIII International Geographical Congress. USSR, Moscow.
- Bazilevich, N.I., Olson, J., and Zlotin, R.I. 1975. Nitrogen Turnover in Grasslands. VIII International Botanical Congress. USSR, Leningrad.
- Zlotin, R.I. 1973. Results of the Soviet Ecological Studies on Structure and Function of Grasslands. Conference of International Biological Program on Grasslands. Poland, Warsaw.
- Zlotin, R.I. 1971. Invertebrate Animals as a Factor of Biological Turnover. Fourth International Colloquium on Soil Zoology. France, Dijon.

During his work in the Russian Academy of Sciences, Zlotin also presented 32 papers at All-Union National Conferences.

PUBLICATIONS

During the period of 1963-2001, Zlotin published several books and more than 100 scientific articles on problems of ecology, geography, and environmental science in areas of his interest listed above.

Books

- Zlotin, R.I., and Veisman, L.I. 1986. The Wrangel Island, the Northernmost Reserve. The Soviet Russia Publ., Moscow. 215 pp. (in Russian).
- Zlotin, R.I., and Khodashova, K.S. 1980. The Role of Animals in Biological Cycling of Forest-Steppe Ecosystems. Dowden, Hutchinson & Ross, Inc., Strousburg, Pennsylvania. 223 pp.
The same book was published in Russian. 1974. Nauka Publ., Moscow. 214 pp.
- Zimina, R.P., and Zlotin, R.I. 1980. The Role of Marmots in Formation of the Central Asian Mountain Ecosystems. Ilym Publ., Frunze. 108 pp. (in Russian).
- Zlotin, R.I. 1975. Life in High Mountains. Organization of High Mountain Ecosystems in Tien Shan. Mysl Publ., Moscow. 240 pp. (in Russian).

Books Edited

- Goryachkin, S.V., Zlotin, R.I., and Tertisky, G.M. 1994. Diversity of Natural Ecosystems in the Russian Arctic. Guidebook to Russian-Swedish Expedition "Tundra Ecology-94". Reprocentralen Publ. Lund University. 105 pp.
- Zimina, R.P., and Zlotin, R.I. 1990. Biota of Ecosystems of the Great Caucasus. Nauka Publ., Moscow. 219 pp.
- Zlotin, R.I., Isakov, Y.A., Puzachenko, Y.G., and Tishkov, A.A. 1984. Contemporary Problems of Ecosystem Geography. Institute of Geography, USSR Acad.of Sci. Publ. 318 pp. (in Russian).
- Zlotin, R.I., and Khodashova, K.S. 1982. Biota of Forest Steppe Ecosystems. Institute of Geography, USSR Acad. of Sci. Publ., Moscow. 268 pp. (in Russian).
- Zlotin, R.I., and Isakov, Y.A. 1979. Heterotrophs in Ecosystems of Central Forest Steppe. Institute of Geography, USSR Acad. of Sci. Publ., Moscow. 242 pp. (in Russian).

Articles and Chapters

- Zlotin, R.I., and Parmenter, R.R. 2002. Dynamics of Juniper, Pinyon and Oak Mast Production in Woodland Ecosystems of Central New Mexico. Abstracts of Annual ESA Meeting. Arizona. 457.
- Zlotin, R.I. 2002. Biodiversity and productivity of ecosystems. In: Shagedanova, M. (Ed.). Physical Geography of Northern Eurasia: Russia and the Neighboring States. Cambridge University Publ. Cambridge. 242-268.
- Zlotin, R.I., and Parmenter, R.R. 2000. Spatial Distribution and Dynamics of Mast Production in the Arid Woodland Ecosystems of Central New Mexico. Abstracts of Annual ESA Meeting. Utah.
- Zlotin, R.I. 1997. Spatial patterns of root biomass distribution in two grama grassland communities. Abstracts of ESA Annual Meeting. New Mexico. 246.
- Zlotin, R.I. 1997. Abiotic and biotic factors of decomposition processes in natural ecosystems of forest steppe zone. Abstracts of Soil Ecology Society International Conference. Kansas. 169.
- Zlotin, R.I. 1997. Geography and organization of high mountain ecosystems in the former USSR. In: Wielgolaski, F.E. (Ed.). Ecosystems of the World 3. Polar and Alpine Tundra. Elsevier Publ. Amsterdam. 133-159.
- Zlotin, R.I. 1996. Contemporary state of the rural environment in Russia. In: Ryszkowski, L., and Pearson, G. (Eds). Landscape Diversity: a Chance for Rural Community to Achieve a Sustainable Future. Publ. by Res. Center for Agric. and Forest Env. of the Polish Acad. of Sci. Poznan. 167-175.
- Goryachkin, S.V., and Zlotin, R.I. 1995. Spatial and temporal organization of Arctic ecosystems. In: Gronlund, E., Melander, O. (Eds). Swedish-Russian Expedition Tundra Ecology-94. A Cruise Report. Swedish Pol. Res. Secr. Publ. Stockholm. 334-339.
- Zlotin, R.I., and Gosz, J.R. 1995. Comparative ecology of the North American and North Asian deserts:

- development an international network of the desert LTER sites. Abstracts of ESA Meeting. 76(2). 294.
- Feshbach, M, and Zlotin, R.I. Environmental catastrophe in the former Soviet Union. *Environmental Review*. Vol.2, No 9. 1-8.
- Zlotin, R.I. 1994. Ecosystem structure of subtropical arid pistachio woodlands in Southern Turkmenistan. In: Fet, V., and Atamuradov, K.I. (Eds). *Biogeography and Ecology of Turkmenistan*. Kluwer Acad. Press. 187-196.
- Zlotin, R.I. 1994. The Animal communities of island ecosystems. In: Pernetta, J.C. and Manner, H.I. (Eds). *The Ecosystems of Small Islands in the Southwest Pacific (The Sixth Expedition of the "Callisto" Scientific Vessel)*. UNEP Regional Seas Report and Studies No.151. Chapter VIII. 158-171.
- Zlotin, R.I. 1994. Global and regional patterns of organic matter structure in different biomes. In: *First Science Conference on Global Change and Terrestrial Ecosystems*. Massachusetts. 162.
- Bazilevich, N.I., Drozdov, A.V., and Zlotin, R.I. 1994. Geographical patterns of primary productivity and decomposition processes in landscapes of Northern Eurasia. *Proceedings of Russian Acad. of Sci., Ser. Geogr.*, No 4. 5-21. (in Russian).
- Zlotin, R.I., and Bazilevich, N.I. 1993. Global maps of organic matter structure in terrestrial ecosystems. In: Breymeyer, A. (Ed.). *Geography of Organic Matter Production and Decay*. Conference Paper 18. SCOPE Seminar. Institute of Geography, Polish Acad. of Sci. Publ. Warsaw. 7-20.
- Bazilevich, N.I., Drozdov, A.V., and Zlotin, R.I. 1993. Geographical peculiarities of production-destruction processes in Northern Eurasia. In: Breymeyer, A. (Ed.). *Geography of Organic Matter Production and Decay*. Conference Paper 18. SCOPE Seminar. Institute of Geography, Polish Acad. of Sci. Publ. Warsaw. 51-79.
- Ryszkowsky, L., and Zlotin, R.I. 1993. Above-ground insect biomass in agricultural landscapes of Europe. In: Bunce, R.G.H. (Ed.). *Ecology and Agroecosystems*. Lewis Publ. 71-82.
- Zlotin, R.I., and Yasny, E.V. 1992. Global degradation of biological diversity. *Proceedings of Russian Acad. of Sci., Ser. Geogr.* No 2. 76-88. (in Russian).
- Zlotin, R.I., Tishkov, A.A., and Fedotov, M.P. 1992. The tundra ecosystems of West Spitsbergen (Isfjorden Region). In: Klekovsky, R. (Ed.). *Landscape, Life World and Man in High Arctic*. Institute of Ecology, Polish Acad. of Sci. Publ. Warszawa. 159-165.
- Zlotin, R.I., Tishkov, A.A., and Shubnikova, O.N. 1992. Lemmings on Spitsbergen? In: Klekovsky, R. (Ed.). *Landscape, Life World and Man in High Arctic*. Institute of Ecology, Polish Acad. of Sci. Publ. Warszawa. 235-237.
- Titlyanova, A.A., Zlotin, R.I., and French, N.R. 1990. Changes in structure and function of temperate-zone grasslands under the influence of man. In: Breymeyer, A. (Ed.). *Managed Grasslands*. Elsevier Sci. Publ. 301-334.
- Kotlyakov, V.M., Drozdov, A.M., Zlotin, R.I., and Tishkov, A.A. 1990. The Concept of the geosphere-biosphere observatories (Regional Research Centers) and its application to the study of changes in the Eurasian continent. In: Breymeyer, A. (Ed.). *Global Change. Regional Research Centers: Scientific Problems and Concept Development*. Seminar Papers and IGBP WG2 Report. IGSO PAS Publ. 34-54.
- Zlotin, R.I. 1989. Functional role of animals in tundra ecosystems: problems and approaches to the study. In: Chernov, Y.I. (Ed.). *Interrelationships of Organisms in Tundra Ecosystems*. Nauka Publ. Moscow. 110-118. (in Russian).
- Kotlyakov, V.M., and Zlotin, R.I. 1989. Discussion on contemporary problems in the Arctic. *Proceedings of the USSR Acad. of Sci., Ser. Geogr.* No 5. 122-125. (in Russian).
- Zlotin, R.I. 1989. Communities of heterotrophs in monitoring of terrestrial ecosystems. *Proceedings of the USSR Acad. of Sci., Ser. Geogr.* No 4. 16-22. (in Russian).

- Zlotin, R.I. 1989. Heterotrophs as a factor of stability in natural and anthropogenic geosystems.. In: Kupriyanova, T.P. (Ed.). Factors and Mechanisms of Geosystem Stability. Institute of Geography, the USSR Acad.of Sci. Publ. Moscow. 17-31. (in Russian).
- Zlotin, R.I., Saravaisky, A.L., and Yasny, E.V. 1989. Endangered ecosystems of the Great Caucasus: criteria, diversity and preservation. In: Badenkov, Y.P., Borunov, A.K., and Ilyichev, B.A. (Eds). The Great Caucasus. Institute of Geography, the USSR Acad. of Sci. Publ. Moscow. 92-94. (in Russian).
- Domnikov, G.V., and Zlotin, R.I. 1988. Biological monitoring in the oak forests of Central forest steppe: tree layer and leaf-eating insects. In: Gusev, A.A. (Ed.). Structure and Function of Protected Forest-Steppe Ecosystems. Main Dept. of Game and Protected Territories of Ministry Council of Russian Federation Publ. Moscow. 73-78. (in Russian).
- Zlotin, R.I., and Tishkov, A.A. 1988. Approaches to creation of checklist of endangered ecosystems. Proceedings of the USSR Acad. of Sci., Ser. Geogr. No 2. 49-55. (in Russian).
- Zlotin, R.I., Zonn, S.V., Lilienberg, D.A., Mashbits, Y.G., and Fadeev, A.A.1988. National atlases: concept, composition and some results. Proceedings of the USSR Acad. of Sci., Ser. Geogr. No 3. 31-38. (in Russian).
- Zlotin, R.I. 1987. Ecological problems of biota and ecosystem stability. Proceedings of the USSR Acad. of Sci., Ser. Geogr. No 6. 150-154. (in Russian).
- Zlotin, R.I., and Rodin, L.E. 1987. Contemporary studies of the Badkhyz natural landscapes. Proceedings of Turkmenistan Acad. of Sci., Ser. Biol., No 5. 115-121. (in Russian).
- Bazilevich, N.I., Zlotin, R.I., and Titlyanova, A.A. 1987. Transformation of temperate grasslands under anthropogenic factors. In: Shilov, N.I. (Ed.). Readings in Memory of Academician V. N. Sukachev. No 4. Nauka Publ. Moscow. 5-49. (in Russian).
- Badenkov, Y.P., Drozdov, A.V., Zlotin, R.I., and Targulyan, V.O. 1986. Structure-functional organization of mountain biogeocoenoses. In: Shilov, N.I. (Ed.). General Problems of Biogeocoenology. 1. Nauka Publ. Moscow. 32-37. (in Russian).
- Zlotin, R.I. 1986. Communities of the heterotrophs as a functional unit of biogeocoenoses. In: Shilov, N.I. (Ed.). General Problems of Biogeocoenology. 1. Nauka Publ. Moscow. 78-83. (in Russian).
- Zlotin, R.I., and Tishkov, A.A. Problems of geography of terrestrial ecosystems. 1986. Proceedings of the USSR Acad. of Sci., Ser. Geogr., No 1. 133-136. (in Russian).
- Gruznova, I.V., and Zlotin, R.I. 1986. Structure of macroarthropod communities at the forest steppe ecotone. In: Zlotin, R.I., and Khodashova, K.S. (Eds). Dynamics of Biota in Ecosystems of Central Forest Steppe Zone. Publ. by Institute of Geography, USSR Acad. of Sci. 133-150. (in Russian).
- Eliseeva, V.I., Zlotin, R.I., and Fedotov, M.P. 1986. Twenty years of population dynamics of bird communities in forest steppe ecosystems. In: Zlotin, R.I., and Khodashova, K.S. (Eds). Dynamics of Biota in Ecosystems of Central Forest Steppe Zone. Publ. by Institute of Geography, USSR Acad. of Sci. 28-46. (in Russian).
- Domnikov, G.V., Zlotin, R.I., and Fedotov, M.P. 1986. Interrelationships of canopy and consumers in forest ecosystems. In: Abaturov, B.D., and Tishkov, A.A. (Eds). Herbivores in Terrestrial Biogeocoenoses. Nauka Publ. Moscow. 59-70. (in Russian).
- Zlotin, R.I. 1986. Functional role of herbivores in terrestrial ecosystems and its geographic features. In: Abaturov, B.D., and Tishkov, A.A. (Eds). Herbivores in Terrestrial Biogeocoenoses. Nauka Publ. Moscow. 28-30. (in Russian).
- Zlotin, R.I. 1985. The role of soil fauna in the formation of soil properties. In: Coley, J.H. (Ed.). Soil

Ecology and Management. Intecol Bull., 12. Intecol Publ. 39-47.

- Zlotin, R.I. 1985. Peculiarities of soil animal communities in zonal ecosystems. In: Krivolutsky, D.A. (Ed.). Abstracts of the IXth International Colloquium on Soil Zoology. Nauka Publ. Moscow. 281.
- Zlotin, R.I., and Tishkov, A.A. 1985. Biosphere reserve as a standard territory of the Earth. Proceedings of the USSR Acad. of Sci., Ser. Geogr., No 4. 135-137. (in Russian).
- Zlotin, R.I. 1985. Interrelationships between the weather, forest canopy and leaf eating insects: an example of biological monitoring in oak forests of East European forest steppe. In: Gusev, A.A. (Ed.). Problems of Protected Territories. Kursk Book Publ. Kursk. 38-40. (in Russian).
- Zlotin, R.I. 1985. Organization of Central forest steppe ecosystems and approaches to their protection in Central Chernozem Biosphere Reserve. In: Gusev, A.A. (Ed.). Problems of Protected Territories. Kursk Book Publ. Kursk. 26-28. (in Russian).
- Zlotin, R.I., Titlyanova, A.A., and French, N.R. 1985. Anthropogenic transformation of temperate grassland ecosystems. Part 3. Communities of heterotrophs. Proceedings of Siberian Branch of the USSR Acad. of Sci. Ser. Biol. No 1. 24-36. (in Russian).
- Serebryany, L.R., and Zlotin, R.I. 1984. Ecosystem structure and conditions of their formation in currently glaciated areas. In: Zlotin, R.I., Isakov, Y.A., Puzachenko, Y.G., and Tishkov, A.A. (Eds). Contemporary Problems of Ecosystem Geography. Institute of Geography, the USSR Acad. of Sci. Publ. Moscow. 265-271. (in Russian).
- Zlotin, R.I., and Tishkov, A.A. 1984. Approaches to the study of geography of interecosystem links. In: Zlotin, R.I., Isakov, Y.A., Puzachenko, Y.G., and Tishkov, A.A. (Eds). Contemporary Problems of Ecosystem Geography. Institute of Geography, the USSR Acad. of Sci. Publ., Moscow. 31-38. (in Russian).
- Zlotin, R.I., and Titlyanova, A.A. 1984. Pattern of distribution, organization, anthropogenic transformation and protection of temperate grasslands. In: Zlotin, R.I., Isakov, Y.A., Puzachenko, Y.G., and Tishkov, A.A. (Eds). Contemporary Problems of Ecosystem Geography. Institute of Geography, the USSR Acad. of Sci. Publ., Moscow. 200-208. (in Russian).
- Zlotin, R.I. 1984. On geography of heterotrophic processes in terrestrial ecosystems. In: Zlotin, R.I., Isakov, Y.A., Puzachenko, Y.G., and Tishkov, A.A. (Eds). Contemporary Problems of Ecosystem Geography. Institute of Geography, the USSR Acad. of Sci. Publ., Moscow. 47-51. (in Russian).
- Zlotin, R.I. 1984. Organization of subtropical arid ecosystems in Badkhyz and problems of their protection. In: Flint, V.E. (Ed.). Problems of Genetic Diversity Conservation and Ecosystem Management in Protected Territories of Steppe and Desert Zones. Nauka Publ. Moscow. 88-91. (in Russian).
- Zlotin, R.I., Gruznova, I.V., and Domnikov, G.V. 1984. Soil fauna and processes of decomposition in gypsum deserts. In: Sopyiev, O. (Ed.). Problems of Soil Zoology. Proceedings of the 8th All-Union Conference. Turkmen Acad. of Sci. Publ. Ashkhabad. 99-101. (in Russian).
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