

# Израэль Юрий Антониевич



**(15 мая 1930, Ташкент — 23 января 2014, Москва)**

**Юрий Антониевич Израэль** — советский и российский метеоролог, академик РАН (1994). Согласно заявлению CNN, он являлся самым влиятельным научным советником Владимира Путина во время его президентства; сам Израэль это заявление опроверг.

Занимал должность председателя Государственного комитета СССР по гидрометеорологии, вице-председателя межправительственной группы экспертов по изменению климата и вице-президента ВМО. Депутат Совета Национальностей Верховного совета СССР 10—11 созывов (1979—1989) от Каракалпакской АССР.

По воспоминаниям самого Юрия Антониевича, его отец родился в Эстонии около города Вильянди, по национальности был эстонцем, в 1914 году ушёл на Первую мировую войну, после революции окончил Военно-медицинскую академию в Петрограде, служил полковым врачом в Ташкенте, в 1932 году был демобилизован по болезни и стал работать в Среднеазиатском государственном университете, где вскоре возглавил кафедру физиологии человека и животных. Мать, Антонина Степановна Шаталина, по национальности русская, после окончания Саратовского университета в 1925 году начала работать в Ташкенте; позже она работала в Среднеазиатском государственном университете, в 1944 году защитила докторскую диссертацию и стала профессором той же кафедры физиологии человека и животных, которой руководил А. И. Израэль.

Юрий Израэль в 1953 году окончил Среднеазиатский государственный университет по специальности физика и начал работу в Москве в Геофизическом институте Академии наук СССР под руководством академика Е. К. Фёдорова. После того, как Фёдоров основал Институт прикладной геофизики Гидрометеослужбы СССР, Израэль продолжил научную деятельность там, защитив в 1963 году кандидатскую, а в 1969 — докторскую диссертации в области физико-математических наук. В том же году он сменил своего руководителя на посту директора института. В 1970 году он также стал первым заместителем начальника Главного Управления Гидрометеослужбы при Совете Министров СССР. В 1974 году Израэль возглавил Гидрометеослужбу, а также стал профессором и членом-корреспондентом АН СССР по специальности «Физика атмосферы». Четыре года спустя он был назначен на должность председателя Государственного комитета по гидрометеорологии.

После аварии на Чернобыльской АЭС Ю. А. Израэль руководил работами по оценке радиоактивного загрязнения, на основе которых принимались решения об эвакуации или отчуждении непригодных для жизни территорий. За это он был награждён орденом Ленина.

В 1990 году Израэль организовал на базе Лаборатории мониторинга природной среды и климата Институт глобального климата и экологии и стал его директором. В 1992 году получил премию Сасакавы от UNEP за многочисленные заслуги, в том числе за успешную работу в составе «Рабочей группы 1» IPCC. В составе группы МГЭИК Израэль получил Нобелевскую премию мира в 2007 году.

По мнению академика Фортова, у Юрия Израэля «очень удачно... сочетались гражданская позиция, позиция человека, который правильно понимает роль науки в современном обществе, и необходимость доказывать людям некоторые вещи, очевидные для тех учёных, которые не будут тратить на это время».

Скончался в Москве 23 января 2014 года. Похороны прошли 28 января на Новодевичьем кладбище Москвы.

## **Наиболее значимые публикации Ю.А. Израэля**

- 1. Izrael, YA; Boltneva, LI; Vakulovskii, SM; Nikiforov, MV.  
Airborne gamma-spectrometry and its potential**

RUSSIAN METEOROLOGY AND HYDROLOGY 39(8), 507-513 (2014)

- 2. Izrael, YA; Snakin, VV; Vasilenko, VN; Artemov, EM; Imshennik, EV; Nakhutin, AI; Khrisanov, VR.**

**Cartographic generalization of radioecological conditions in the South Urals**  
RUSSIAN METEOROLOGY AND HYDROLOGY 39(7), 433-439 (2014)

- 3. Izrael, YA; Belokrinitskaya, LM; Dvoretskaya, IV; Dorokhov, VM; Ivanov, KA; Kruchenitskii, GM; Shepelev, DV; Yusipov, TA.**

**Comparison of ground-based and satellite measurements of total ozone**  
RUSSIAN METEOROLOGY AND HYDROLOGY 39(6), 420-430 (2014)

- 4. Izrael, YA; Volodin, EM; Kostrykin, SV; Revokatova, AP; Ryaboshapko, AG.  
The ability of stratospheric climate engineering in stabilizing global mean  
temperatures and an assessment of possible side effects**  
ATMOSPHERIC SCIENCE LETTERS 15(2), 140-148 (2014)

- 5. Izrael, YA; Anokhin, YA; Gruza, GV; Ivanov, VN; Egorov, VI; Kruchenitskii, GM;  
Savchenko, AV; Petrov, NN.**

**Development and some results of the system for monitoring major climate-  
forming factors in the middle atmosphere**  
RUSSIAN METEOROLOGY AND HYDROLOGY 38(7), 437-443 (2013)

- 6. Izrael, YA; Volodin, EM; Kostrykin, SV; Revokatova, AP; Ryaboshapko, AG.  
Possibility of geoengineering stabilization of global temperature in the 21st  
century using the stratospheric aerosol and estimation of potential negative  
effects**

RUSSIAN METEOROLOGY AND HYDROLOGY 38(6), 371-381 (2013)

- 7. Izrael', Yu.A..  
An Atlas of Eastern Ural and Karachay Radioactive Traces, and Prognosis for the Period to 2047 , (2013)**
- 8. Izrael, Yu. A.  
Tendencies and dynamics of environmental pollution of the Russian Federation at the beginning of XXI , (2013)**
- 9. Izrael, YA; Zakharov, VM; Ivanov, VN; Petrov, NN; Andreev, YV; Gulevskii, VA; Danilyan, BG; Eran'kov, VG; Kirin, DV; Kulyapin, VP; Rusakov, YS; Savchenko, AV; Svirkinov, PN; Severov, DA; Folomeev, VV.  
A field experiment on modeling the impact of aerosol layers on the variability of solar insolation and meteorological characteristics of the surface layer  
RUSSIAN METEOROLOGY AND HYDROLOGY 36(11), 705-711 (2011)**
- 10. Izrael, Yu. A.; Ryaboshapko, A. G..  
Climate Geoengineering: Potential of Implementation  
Problems of Ecological Monitoring and Simulation of Ecosystems. 24, (2011)**
- 11. Izrael, Yu. A.; Nakhutin, A. I.; Gitarskii, M. L.; et al..  
National Policy of the Russian Federation on Cadastral Survey of the Anthropogenic Emission and Absorption of Greenhouse Gases Not Regulated by the Montreal Protocol During the Period 1990-2009. Part 1 , (2011)**
- 12. Izrael, Yuriy A.; Lioznov, G.L; Rasnovski, A.A..  
Astronautics Potentials and Limits in Solving Problem of Adaptation to the Climate Change , (2011)**
- 13. Countr, CIS; Izrael, Yu. A..  
Review of the Background State of Natural Environment in CIS Countries in 2008 , (2010)**
- 14. Izrael, YA; Zakharov, VM; Petrov, NN; Ryaboshapko, AG; Ivanov, VN; Savchenko, AV; Andreev, YV; Eran'kov, VG; Puzov, YA; Danilyan, BG; Kulyapin, VP; Gulevskii, VA.  
Field studies of a geo-engineering method of maintaining a modern climate with aerosol particles  
RUSSIAN METEOROLOGY AND HYDROLOGY 34(10), 635-638 (2009)**
- 15. Izrael, YA; Ryaboshapko, AG; Petrov, NN.  
Comparative analysis of geo-engineering approaches to climate stabilization  
RUSSIAN METEOROLOGY AND HYDROLOGY 34(6), 335-347 (2009)**
- 16. Izrael, YA; Zakharov, VM; Petrov, NN; Ryaboshapko, AG; Ivanov, VN; Savchenko, AV; Andreev, YV; Puzov, YA; Danelyan, BG; Kulyapin, VP.  
Field experiment on studying solar radiation passing through aerosol layers  
RUSSIAN METEOROLOGY AND HYDROLOGY 34(5), 265-273 (2009)**
- 17. Izrael, Yu. A.; Bogdevich, I. M..  
Atlas of Contemporary and Forecasting Aspects of the Consequences of the Chernobyl NPP Accident on the Affected Territories in Russia and Belarus , 140 (2009)**

- 18.** Izrael, Yu. A..  
**Review of the Background State of Natural Environment in CIS Countries in 2007 ,**  
(2009)
- 19.** Izrael, Yu. A.  
**State of the Environment and Environmental Pollution in the Russian Federation**  
**in 2008 ,** (2009)
- 20.** Izrael', Yu.A.; Tsyban', A.V..  
**Anthropogenic Ecology of the Ocean ,** (2009)
- 21.** Izrael, YA.  
**About Modern Climate State and Suggestions on Actions to Counteract Climate**  
**Changes**  
RUSSIAN METEOROLOGY AND HYDROLOGY 33(10), 611-613 (2008)
- 22.** Izrael, YA; Romanovskaya, AA.  
**Principles of Monitoring of Anthropogenic Greenhouse Gas Emissions and Sinks**  
RUSSIAN METEOROLOGY AND HYDROLOGY 33(5), 273-279 (2008)
- 23.** Izrael, YA.  
**THE ROLE OF STRATOSPHERIC AEROSOLS IN ANTAGONIZING THE GLOBAL**  
**CLIMATE CHANGE**  
INTERNATIONAL SEMINAR ON NUCLEAR WAR AND PLANETARY EMERGENCIES  
- 38TH SESSION , 13-20 (2008)
- 24.** Izrael, YA.  
**Chernobyl radionuclide distribution and migration**  
HEALTH PHYSICS 93(5), 410-417 (2007)
- 25.** Hallgren, RE; Izrael, YA; Kintanar, RL; Zillman, JW.  
**Godwin Olu Patrick Obasi 1933-2007 - Obituaries**  
BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY 88(5), 779-780 (2007)
- 26.** Izrael, Y.  
**Climate: putting panic in perspective**  
RIA Novosti , (2007)
- 27.** Izrael, Yu.A.; Borzenkova, I.I.; Severov, D.A..  
**Role of stratospheric aerosols in the maintenance of present-day climate**  
Russian Meteorology and Hydrology 32(1), (2007)
- 28.** Semenov, S. M.; Izrael', Yu. A.; Gruza, G. V.; Ran'kova, E. Ya..  
**Global and Regional Climatic Effects of Some Programs for Stabilizing the**  
**Concentrations of Carbon Dioxide and Methane**  
Problems of Ecological Monitoring and Ecosystem Modeling 21, 75 (2007)
- 29.** Izrael, Yu.A.; Semenov, S.M.; Anisimov, O.A.; Anokhin, Yu.A.; Velichko, A.A.;  
Revich, B.A.; Shiklomanov, I.A..  
**The Fourth Assessment Report of the Intergovernmental Panel on Climate**

**Change: Working Group II Contribution**  
Russian Meteorology and Hydrology 32(9), (2007)

- 30.** Izrael, YA; Pavlov, AV; Anokhin, YA; Myach, LT; Sherstiukov, BG.  
**Statistical assessment of dynamics of climate elements in permafrost areas in the Russian Federation**  
J Meteorol Hydrol 5, 27 (2006)
- 31.** Izrael, Yu. A.; Semenov, S. M.; Schellnhuber, H. J.; Cramer, W.; Nakicenovic, N.; Wigley, T.; Yohe, G..  
**Critical Levels of Greenhouse Gases, Stabilization Scenarios, and Implications for the Global Decisions**  
Avoiding Dangerous Climate Change , (2006)
- 32.** Izrael, Yu.A..  
**Anthropogenic radioactive contamination of the Earth**  
, 46 (2006)
- 33.** Izrael, Y.A.; Semenov, S.M.; Schellnhuber, H.J.; Cramer, W.; Nakicenovic, N.; Wigley, T.M.L.; Yohe, G.W..  
**Critical levels of greenhouse gases, stabilization scenarios, and implications for the global decisions**  
Avoiding Dangerous Climate Change , 73 (2006)
- 34.** Izrael, Yu A.  
**Radioactive Contamination of the Natural Media as the Result of the Incident at the Chernobyl Nuclear Power Plant** , (2006)
- 35.** Izrael', Yu. A..  
**Efficient preservation of climate at the current level as the main objective of solving the climate problem**  
Meteorol. Gidrol. (10), 5 (2005)
- 36.** Izrael, YA.  
**An efficient way to regulate the global climate is the main objective of the solution of the climate problem**  
Russian Meteorology and Hydrology 30, 1 (2005)
- 37.** Izrael, Yu. A..  
**Review of the Background State of Natural Environment in CIS Countries in 2003** , (2005)
- 38.** Izrael, Y.A..  
**A concept of capabilities of the biosphere and human threats to the climate system**  
Meteorol. Hydrol. 4, 30 (2004)
- 39.** Izrael, YA; Semenov, SM.  
**Example calculation of critical limits for greenhouse gas content in the atmosphere using a minimal simulation model of the greenhouse effect**

DOKLADY EARTH SCIENCES 390(4), 611-614 (2003)

**40.** Izrael, Y. A..

**Radioactive Fallout after Nuclear Explosions and Accidents** 3, 165 (2002)

**41.** Izrael, Y.; Pavlov, A.; Anokhin, Y..

**Cryolithozone evolution under contemporary global climate change**

Russian Meteorology and Hydrology 27(1), 22 (2002)

**42.** Izrael, Y; Nazarov, IM; Gitarsky, ML; Nakhutin, AI; Yakovlev, AF.

**The Kyoto Protocol-issues related to its ratification**

Meteorologia i gidrologia 11, 5 (2002)

**43.** Gytarsky, ML; Gruza, GV; Egorov, VI; Karaban, RT; Nakhutin, AI; Artemov, EM; Izrael, YA; Nazarov, IM; Yakovlev, AF; Anokhin, YU; Boltneva, LI.

**Third National Communication of the Russian Federation , (2002)**

**44.** Izrael, YA; Tsyban, AV; Shchuka, SA; Mosharov, SA.

**World ocean ecosystem changes caused by anthropogenic impacts, including climate changes**

IZVESTIYA ATMOSPHERIC AND OCEANIC PHYSICS 38, S99-S110 (2002)

**45.** Izrael, YA; Gytarsky, ML; Karaban, RT; Lelyakin, AL; Nazarov, IM.

**Consequences of climate change for forestry and carbon dioxide sink in Russian forests**

IZVESTIYA ATMOSPHERIC AND OCEANIC PHYSICS 38, S84-S98 (2002)

**46.** Izrael', Yu. A.; Gruza, G. V.; Kattsov, V. M.; Meleshko, V. P..

Global Climate Changes. The Role of Anthropogenic Impacts

Meteorol. Hydrol. (5), (2001)

**47.** Izrael', Yu.A.; Anokhin, Yu. A.; Gitarskii, M.L.; Karaban', R.T.; Nazarov, I. M.; Sirotenko, O.D..

**Consequences of Climate Changes for Russia**

**The State and Comprehensive Monitoring of the Environment and Climate , 40 (2001)**

**48.** Izrael, Yu. A.

**Problems of Anthropogenic Ecology, (2001)**

**49.** Izrael, Yu. A..

**The State and Complex Monitoring of the Environment and Climate Variation Limits , (2001)**

**50.** Stukin, E. D.; Petrov, V. N.; Anspaugh, L.; Doury, A.; Kirchmann, R. J. C.; Izrael, Yu A.; Warner, F.; Kirchmann, R. J. C.; et al..

**Nuclear explosions and their environmental contamination**

**Nuclear test explosions , 33 (2000)**

- 51.** Izrael', Yu.A.; Kvasnikova, E.V.; Stukin, E.D..  
**Radioactive Pollution of Russian Territory by Cesium-137 at the Turn of the Century**  
Meteorol. Gidrol. (4), 20 (2000)
- 52.** Izrael, Yu.A.; Izrael, Yu.A.; et al..  
**Radioactive contamination of Russia by global fallout from nuclear tests and by Chernobyl deposition. Map on 90th of XX century**  
1, 138 (2000)
- 53.** Izrael, Yu. A.; Pavlov, A. V.; Anokhin, Yu.A..  
**Analysis of Current and Future Climate and Permafrost Changes in the Russian Arctic**  
Russ. Meteorol. Hydrol 3, (1999)
- 54.** Izrael', Yu.A.; Kalabin, G.V.; Nikonov, V.V..  
**Anthropogenic Impact on the Northern Nature and Its Environmental Consequences**, (1999)
- 55.** Izrael, Yu. A.  
**The radioactive contamination of the Earth's surface**  
Discussion in the RAS presidium, Vestnik Rossijkoj Akademii Nauk 68(10), 898 (1998)
- 56.** Izrael, Yu. A.; et al..  
**Long-term forecast of changes in the levels of Cs-137 radioactive contamination in areas of Russia after the Chernobyl Nuclear Power Plant accident**  
Meteorology and Hydrology 4, 5 (1998)
- 57.** De Cort, M.; Dubois, G.; Fridman, Sh. D.; Germenchuk, M. G.; Izrael, Yu. A.; Janssens, A.; Jones, A. R.; Kelly, G. N.; Kvasnikova, E. V.; Matveenko, I.; Nazarov, I. M.; Pokumeiko, Yu. M.; Sitak, V. A.; Stukin, E. D.; Tabachny, L. Ya; Tsaturov, Yu. S.; Avdyushin, S. I.  
**Atlas of caesium deposition on Europe after the Chernobyl accident, Luxembourg, Office for Official Publications of the European Communities, ISBN 92-828-3140-X, Catalogue number CG-NA-16-733-29-C**  
EUR , 1 (1998)
- 58.** IzraeF, Yu.A..  
**Global Climate Changes, Their Causes and Consequences**  
Global Aerological Problems on the Eve of the 21st Century , 49 (1998)
- 59.** Izrael, Yu A.  
**Radioactive contamination of the Earth's surface**  
J. Messenger RAS 4, 53 (1998)
- 60.** Izrael, Y.A.; Avdjushin, S.I; Sirotenko, O.D.  
**Russian Federation Climatic Changes Country Study (Co-Operative Agreement DE-FCO2-93PO10118)**  
Final report 3, 4 (1997)

**61.** Izrael, Y; Anokin, Y; Eliseev, AD.

**Vulnerability and adaptation assessments**

Final report of the Russian country study on climate problem, Russian Federal service for Hydrometeorology and Environmental Monitoring 3, 105 (1997)

**62.** Tsaturov, Y.S.; De Cort, M.; Dubois, G.; Izrael, Y.A.; Stukin, E.D.; Fridman, S.D.; Tabachnyi, L.Ya.; Matveenko, I.I.; Guermenchuk, M.G.; Sitak, V.A.; Karaoglou, A.; Desmet, G.; Kelly, G.N.Menzel., H.G..

**The need for standardisation in the analysis, sampling and measurement of deposited radionuclides**

Radiological Consequences of the Chernobyl Accident. Proceedings of the First International Conference (EUR 16544 EN) , (1996)

**63.** Izrael, Yu. A..

**On the evaluation of the radiation conditions and radioactive contamination of the environment during the accident at the Chernobyl nuclear power plant**

Meteorol. Gidrol. (4), 5 (1996)

**64. IZRAEL, YA; SEMENOV, SM; KUNINA, IM; ZAMARAEVA, TV.**

**MODIFICATION OF DIRECT EFFECT OF CARBON-DIOXIDE ON HIGHER-PLANTS DUE TO TROPOSPHERIC OZONE IMPACT**

DOKLADY AKADEMII NAUK 338(5), 711-713 (1994)

**65. Izrael, Yu. A.; Kvasnikova, E. V.; Nazarov, I. M.; Fridman, Sh. D..**

**Global and regional contamination of the territory of the European part of the former USSR by  $^{137}\text{Cs}$**

Meteorology and Hydrology 5, 5 (1994)

**66. IZRAEL, YA; GRUZA, GV; RANKOVA, EY; AVDYUSHIN, SI; NAZAROV, IM.**

**Global climatic ecological monitoring**

ISPRS COMMISSION VII SYMPOSIUM - RESOURCE AND ENVIRONMENTAL MONITORING, PROCEEDINGS, VOL 30, PTS 7A & 7B , B399-B406 (1994)

**67. Izrael, Y. A.; Tsyban, A. V.; Vakulovskii, S. M..**

**Radioactive contamination of seas and oceans**

Russian Meteorology & Hydrology 10, 9 (1994)

**68. VARTAPETYAN, BB; VOMPERSKII, SE; SHEVELUKHA, VS; IZRAEL, YA; DOBROVOLSKII, GV.**

**ANAEROBIOSIS AS INTERDISCIPLINARY SCIENTIFIC PROBLEM**

VESTNIK ROSSIJSKOI AKADEMII NAUK 63(11), 1009-1011 (1993)

**69. YANSHIN, AL; FOKIN, AV; SEVERTSOV, AS; KAMERNITSKII, AV; TELICHENKO, MM; SHORNIKOV, BS; MOISEEV, NN; IZRAEL, YA; KURELLA, GA; ZAVARZIN, GA; TIKHOMIROV, VN.**

**SELECTION OF PRIORITIES IS THE MOST DIFFICULT PART (ROUND-TABLE DISCUSSION)**

VESTNIK ROSSIJSKOI AKADEMII NAUK 63(8), 714-721 (1993)

**70. Izrael', Yu.A.; Tsyban', A.V.; Panov, G.V.; et al..**

**Current State of Marine Ecosystems in the Russian Federation**

Meteorol. Gidrol. (9), 6 (1993)

**71. IZRAEL, YA.**

**ENVIRONMENTAL CONTAMINATION FOLLOWING THE CHERNOBYL ACCIDENT  
AND SOME ECOLOGICAL CONSEQUENCES OF THIS CONTAMINATION  
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY 203, 66-NUCL  
(1992)**

**72. Aleksandrov, E. L.; Izrael', Yu. A.; Karol, N. A. '; Khrgian, A. Kh..  
The Ozone Layer of the Earth and Its Transformation , (1992)**

**73. IZRAEL, YA; VASILENKO, VN; DLIKMAN, IF; NAZAROV, IM; FRIDMAN, SD.  
ENVIRONMENTAL-POLLUTION BY BENZO(A)PYRENE AND CARCINOGENIC  
LOAD ON MAN  
DOKLADY AKADEMII NAUK 325(2), 264-266 (1992)**

**74. Kozhova, O.M.; Izrael', Yu.A.; Anokhin, Yu.A..  
[The problems of monitoring zooplankton.]  
Monitoring of lake Baikal state. , 209 (1991)**

**75. Budyko, MI; Izrael, YA; Yanshin, AL.  
Global warming and its consequences  
Meteorologiya i Gidrologiya 12, 5 (1991)**

**76. Budyko, M. I;Izrael, Y. A..  
Anthropogenic Climate Change , (1991)**

**77. IZRAEL, YA.  
INACCURATE INFORMATION IN MEDVEDEV,G. NOVEL 'CHERNOBYLSKAYA  
TETRAD' ('CHERNOBYL DIARY')  
NOVYI MIR (7), 265-266 (1990)**

**78. Izrael', Yu.A..  
Chornobyl': radioactive contamination of the natural environments , (1990)**

**79. Izrael', Yu. A.; Tsyban', A. V..  
Anthropogenic Ecology of the Ocean , (1989)**

**80. TSYBAN, AV; IZRAEL, YA.  
MONOC PROGRAM - SCIENTIFIC SUBSTANTIATION OF THE INTEGRATED  
GLOBAL OCEAN ECOLOGICAL MONITORING-SYSTEM  
ENVIRONMENTAL MONITORING AND ASSESSMENT 11(3), 279-292 (1989)**

**81. IZRAEL, YA; ROVINSKY, FY.  
INTEGRATED BACKGROUND MONITORING IN THE USSR  
ENVIRONMENTAL MONITORING AND ASSESSMENT 11(3), 225-238 (1989)**

**82. IZRAEL, YA; FILIPPOVA, LM; INSAROV, GE; SEMEVSKY, FN; SEMENOV, SM.**

**DISTURBANCE OF THE TERRESTRIAL ECOSYSTEMS STABILITY DUE TO  
GLOBAL-SCALE ANTHROPOGENIC IMPACTS**  
ENVIRONMENTAL MONITORING AND ASSESSMENT 11(3), 239-246 (1989)

**83. IZRAEL, YA.**

**THE ROLE OF MONITORING IN ECONOMIC MANAGEMENT, ECOLOGICAL  
STANDARDIZATION**

ENVIRONMENTAL MONITORING AND ASSESSMENT 11(3), 197-202 (1989)

**84. IZRAEL YA.**

**ACID RAINS L GIDROME , (1989)**

**85. IZRAEL, YA; TSIBAN, AV; VENTZEL, MV; SHIGAEV, VV.**

**SCIENTIFIC BASIS FOR ECOLOGICAL STANDARDIZATION OF THE MAN-MADE  
EFFECT ON MARINE ECOSYSTEM ARE TAKEN FOR THE BALTIC SEA**  
OKEANOLOGIYA 28(2), 293-299 (1988)

**86. ASMOLOV, VG; BOROVOI, AA; DEMIN, VF; KALUGIN, AK; KUZMIN, II;  
KULAKOV, VM; LEGASOV, VA; LUNIN, GL; PONOMAREVSTEPNOI, NN;  
PROTSENKO, AN; SUKHORUCHKIN, VK; KHRULEV, AA; SHAKH, OY; ADAMOV,  
EO; PODLAZOV, LN; CHERKASHOV, YM; ABAGYAN, AA; DMITRIEV, VM;  
SHKURPELOV, AA; ILIN, LA; PAVLOVSKII, OA; RYABOV, IN; SOKOLOV, VE;  
POVALYAEV, AP; AVDYUSHIN, SI; IZRAEL, YA; PETROV, VN; PISAREV, VV.  
THE CHERNOBYL ACCIDENT - ONE YEAR LATER**  
SOVIET ATOMIC ENERGY 64(1), 1-27 (1988)

**87. IZRAEL, YA; SOKOLOVSKII, VG; SOKOLOV, VE; VETROV, VA; DIBOBES, IK;  
TRUSOV, AG; RYABOV, IN; ALEKSAKHIN, RM; POVALYAEV, AP; BULDAKOV, LA;  
BORZILOV, VA.**

**THE ECOLOGICAL CONSEQUENCES OF THE RADIOACTIVE CONTAMINATION  
OF THE NATURAL-ENVIRONMENT IN THE REGION OF THE CHERNOBYL  
ATOMIC POWER-STATION ACCIDENT**

SOVIET ATOMIC ENERGY 64(1), 33-47 (1988)

**88. Israel, Y A.**

**The role of monitoring in economic management, ecological standardization.**

Environmental monitoring and assessment 11(3), 197 (1988)

**89. Budyko, M.J.; Golitsyn, G.S.; Israel, Y.A..**

**Global Climatic Catastrophes , (1988)**

**90. IZRAEL, YA; PETROV, VN.**

**AIRBORNE CONTAMINATION**

RADIONUCLIDES IN FOOD CHAIN , 87-98 (1988)

**91. IZRAEL, YA; PETROV, VN.**

**PROCEDURES ON ASSESSMENT AND MEASURES OF SAFETY FOR THE  
POPULATION AFTER THE CHERNOBYL ACCIDENT**

RADIONUCLIDES IN FOOD CHAIN , 285-290 (1988)

- 92.** Izrael, Y A; Rovinsky, F Y.  
**Integrated background monitoring in the USSR.**  
Environmental monitoring and assessment 11(3), - (1988)
- 93.** Izrael, Y A; Filippova, L M; Insarov, G E; Semevsky, F N; Semenov, S M.  
**Disturbance of the terrestrial ecosystems stability due to global-scale anthropogenic impacts.**  
Environmental monitoring and assessment 11(3), - (1988)
- 94.** Tsyban, A V; Izrael, Y A.  
**Monoc programme: Scientific substantiation of the integrated global ocean ecological monitoring system.**  
Environmental monitoring and assessment 11(3), - (1988)
- 95.** IZRAEL, YA.  
**ENERGY DEVELOPMENT AND ITS EFFECT ON THE ENVIRONMENT**  
ENERGY 12(10-11), 969-974 (1987)
- 96.** Budyko, MI;Izrael, YA.  
**Anthropogenic change of climate ,** (1987)
- 97.** Izrael, Y. A.; Nazarov, I. M.; Fridman, S. D.; Galperin, M. V.; Pressman, A. Y.; Ryaboshapko, A. G.; Vitkov, C. D.; Gaspra, L.; Harvath, L.; Dishner, H.; Damrat, U.; Zavodski, V.; Shantroch, Y..  
**Monitoring of the Transboundary Air Pollutant Transport ,** (1987)
- 98.** Izrael, YA; Imshennik, EV; Kvasnikova, EV; et al..  
**Radioactive contamination of the environment in the zone of Chernobyl atomic station**  
Meteorol Hydrol 2, 5 (1987)
- 99.** IZRAEL, YA; TSYBAN, AV.  
**ECOLOGY AND THE PROBLEMS OF WORLD OCEAN INTEGRATED GLOBAL MONITORING**  
ENVIRONMENTAL MONITORING AND ASSESSMENT 7(1), 5-23 (1986)
- 100.** IZRAEL, YA.  
**INTEGRATED GLOBAL OCEAN MONITORING - PREFACE**  
ENVIRONMENTAL MONITORING AND ASSESSMENT 7(1), 1-4 (1986)
- 101.** Israel, Yu. A.; Kunina, I. M.; Semenov, S. M..  
**Ecological Impact of UV-Radiation in B Spectrum on the Land Plants**  
16, 9 (1986)
- 102.** Israel, Y. A..  
**Ecology and control of the natural environment ,** 560 (1984)
- 103.** PATON, BE; BARAEV, AI; KHITRUN, LI; BAEV, AA; LUKINOV, II; YANSHIN, AL; FEDORENKO, NP; IZRAEL, YA; FROLOV, KV; KUNAEV, AM; GORBUNOV, GI; GILYAROV, MS; DOROFEEV, VF; KSENEVICH, IP; ZHUCHENKO, AA;

KALASHNIKOV, AP; KHARITON, YB; ZHDANOV, VM; MANOKHIN, AI;  
ENGELGARDT, VA; FOKIN, AV; UGOLEV, AM; KUBYSHEV, VA; ZASLAVSKAYA, TI;  
MINEEV, VG; MUROMTSEV, GS; SOKOLOV, VE; KALININA, IP; MELNIKOV, NN;  
SOZINOV, AA; TIKHONOV, VA; MILASHCHENKO, NZ; RAPOORT, IA; MOISEEV,  
NN.

**SESSION OF THE GENERAL MEETINGS OF THE USSR-ACADEMY-OF-SCIENCES  
AND VI-LENIN-ALL-UNION-ACADEMY-OF-AGRICULTURAL-SCIENCES -  
SPEECHES**

VESTNIK AKADEMII NAUK SSSR (2), 38-91 (1983)

**104.** Izrael, Y A.

Preface.

Environmental monitoring and assessment 2(4), - (1982)

**105.** Izrael, Y A.

**Background monitoring and its role in global estimation and forecast of the state  
of the biosphere.**

Environmental monitoring and assessment 2(4), - (1982)

**106.** Filippova, L M; Anokhin, Y A; Ostromoguilsky, A H; Izrael, Y A; Matveev, A A.  
**Lake Baikal integrated background monitoring: Objectives, goals, history and  
prospects.**

Environmental monitoring and assessment 2(4), - (1982)

**107.** Izrael, Y A; Nazarov, I M; Ryaboshapko, A G.

**Approaches to standardization of atmospheric pollution undergoing long-range  
and transboundary transport.**

Environmental monitoring and assessment 2(4), - (1982)

**108.** Izrael, Y A; Tsiban, A V.

**Ecological principles of World Ocean monitoring.**

Environmental monitoring and assessment 2(4), - (1982)

**109.** Izrael, Y.A.; Nazarov, I.M.; Riabosapko.

**Kr-85 anthropogenic emissions into the atmosphere**

Soviet Meteorology and Hydrology 6, 1 (1982)

**110.** IZRAEL, YA; BOLTNEVA, LI; GASILINA, NK; DIBOBES, IK; NAZAROV, IM.

**BASIC PRINCIPLES AND RESULTS OF ENVIRONMENTAL-IMPACT STUDIES OF  
THE KANSK-ACHINSK LIGNITE AND POWER PROJECT**

SOVIET GEOGRAPHY REVIEW AND TRANSLATION 22(6), 353-360 (1981)

**111.** IZRAEL, YA.

**FUNDAMENTAL RESEARCH ON ENVIRONMENT PROTECTION AND RATIONAL  
USING OF NATURE**

VESTNIK AKADEMII NAUK SSSR (7), 105-110 (1980)

**112.** Israel, Yu. A.; Gasilina, N. K.; Rovinskii, F.Ya; Filippova, L. M..

**Implementation of Environmental Pollution Monitoring System in the USSR ,  
(1978)**

- 113.** Boltneva, L. I.; Izrael, Yu. A.; Ionov, V. A.; Nazarov, I. M..  
**Global Contamination with  $^{137}\text{Cs}$  and  $^{90}\text{Sr}$  and Doses of External Irradiation on the Territory of the USSR**  
Atomnaya Energiya (5), 42 (1977)
- 114.** IZRAEL, YA.  
**ESTIMATION OF BIOSPHERE STATE AND ON SUBSTANTIATION OF MONITORING**  
DOKLADY AKADEMII NAUK SSSR 226(4), 955 (1976)
- 115.** Izrael, Yu.A..  
**Global observing system. Forecasting and assessment of environmental changes. Principles of monitoring**  
Meteorologiya i Gidrologiya (7), (1974)
- 116.** Izrael'son, Z. I.; Izrael'son, Z. I.; Mogilevskaja, O. Ja.; Suvorov, S. V..  
**Problems of Industrial Hygiene and Occupational Pathology in Work with Rare Metals** , 206 (1973)
- 117.** Le Fichoux, Y; Moyen, E N; Izrael-Tasson, M T; Gateau, P; Caroli, J.  
**Cryptococcose septémique au cours d'une hépatite cirrhotique. À propos d'un cas observé à Paris**  
Médecine & chirurgie digestives 2(4), 217 (1973)
- 118.** Izrael, Y.A..  
**Radioactive Contamination of Natural Environments During the Underground Nuclear Explosions and Methods of its Forecasting** , (1970)
- 119.** Izrael, Yu. A.; Stukin, E. D..  
**Gamma Radiation of Radioactive Fallouts** , (1967)
- 120.** IZRAEL, YA; ROMANOV, VV; SOIFER, VN; KOLESNIKOV, VN.  
**TRITIUM CONTENT IN GLACIERS**  
DOKLADY AKADEMII NAUK SSSR 156(1), 72 (1964)