

Institute of General and Experimental Biology, Mongolian Academy of Sciences;
Ministry of Nature, Environment, and Tourism of Mongolia;
Ministry of Education, Culture, Science, and Sports of Mongolia;
Commission on Marmot Investigation of the Theriological Society at the Russian Academy of Sciences
Mammalian Ecological Society of Mongolia;
Joint Russian–Mongolian Complex Biological Expedition of RAS and MAS



Монголын зоологийн түүхийн эрдэмтэн
Холбооны Улаанбаатар хотноо

PROCEEDINGS of the **7th**
International Conference
on the Genus *Marmota*
Marmots of the
Old and New World

13–17, August, **2018** Ulaanbaatar, Mongolia

PROCEEDINGS of the 7th international conference on the genus *Marmota* “Marmots of the Old and New World” 13-17 August, 2018. Ulaanbaatar Mongolia. Narud Design LLC. 336 pp.

Editors: Adiya Yansanjav, Oleg Brandler, Lkhagvasuren Badamjav, Gantulga Gankhuyag, Hannah Davie, Batdorj Sodnompil, Undrakhbayar Enkhbat

Printing layout: Ts.Naranbat

Conference organizers:

Institute of General and Experimental Biology, Mongolian Academy of Sciences

Ministry of Nature, Environment, and Tourism of Mongolia

Ministry of Education, Culture, Science, and Sports of Mongolia

Commission on Marmot Investigation of the Theriological Society at the Russian Academy of Sciences

Mammalian Ecological Society of Mongolia

Joint Russian–Mongolian Complex Biological Expedition of Russian Academy of Sciences and Academy of Sciences of Mongolia

Mammalian Ecology Laboratory, Institute of General & Experimental Biology, MAS

Scientific and Organizing Committees:

Scientific Committee:

Prof. Kenneth B. Armitage, University of Kansas, USA

Dr. Adiya Yansanjav, Institute of General and Experimental Biology, MAS, Mongolia

Prof. Walter Arnold, University of Wien, Austria

Prof. B. Avid, Scientific Secretary General, Mongolian Academy of Sciences, Mongolia

Prof. Daniel T. Blumstein, University of California, UCLA, USA

Dr. Oleg Brandler, N.K. Koltzov Institute of Developmental Biology, RAS & Commission on Marmot Investigation of Russian Theriological Society, Russia

Dr. Daniela Lenti Boero, Université de la Vallée d’Aoste, Italy

Prof. Alexander Nikol’skii, Peoples’ Friendship University of Russia, Moscow, Russia

Dr. G. Nyamdavaa, Ministry of Environment, and Tourism of Mongolia

Dr. D. Odgerel, Ministry of Education, Culture, Science, and Sports of Mongolia

Dr. Sergei Pole, Kazakhstan

Prof. Viktor Tokarskii, V.N. Karazin Kharkiv National University, Ukraine

Organizing Committee:

Adiya Yansanjav – Co-Chair, IGEB, MAS (adiya_ya@yahoo.com)

Oleg Brandler – Co-Chair, IDB, RAS (rusmarmot@yandex.ru)

Lkhagvasuren Badamjav – Conference Secretary, IGEB, MAS (lkhagvazeer@gmail.com)

Gantulga Gankhuyag – Assistant, IGEB, MAS (gantulgasage@gmail.com)

ALPHABETICAL INDEX OF AUTHORS

#	Name	Institution	Country
1	Achchuthan Shanmugasundram	Molecular Biology of Metabolism Laboratory, The Francis Crick Institute, London	United Kingdom
2	Adiya Yansanjav	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
3	Aleksey Gornov	State Nature Biosphere Reserve "Bryansky Les"	Russia
4	Alexeeva N. V	Geological Institute, Siberian Branch, Russian Academy of Sciences	Russia
5	Altantuya L	National Center for Zoonosis Diseases	Mongolia
6	Amgalan Luvsanjamba	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
7	Amgalanbaatar Dorjkhoo	Department of Anatomy, School of Pharmacy and Biomedicine, Mongolian National University of Medical Sciences	Mongolia
8	Aren Gunderson	University of Alaska Museum, University of Alaska Fairbanks	USA
9	Ariunaa Zunduin	Institute of Traditional Medicine and Technology of Mongolia	Mongolia
10	Aurelie Cohas	Université de Lyon, Laboratoire de Biométrie et Biologie Evolutive, Villeurbanne, France	France
11	Ayurzhanayev A. A	Baikal Institute of Nature Management, Siberian Branch of Russian Academy of Sciences	Russia
12	Baasanchuluun O	National Center for Zoonosis Diseases	Mongolia
13	Baigalma M	National Center for Zoonosis Diseases	Mongolia
14	Batdorj Sodnompil	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
15	Battsetseg J	National Center for Zoonosis Diseases	Mongolia
16	Bayartogtokh Badamdorj	Science School of Art and Sciences, National University of Mongolia	Mongolia
17	Belovezhets K. I	Peoples' Friendship University of Russia	Russia
18	Bernd Timmermann	Max Planck Institute for Molecular Genetics, Sequencing Core Facility, Berlin	Germany
19	Bezuglov V. E	"Pervomayskaya Secondary School" Pervomaisky district of Orenburg region	Russia
20	Bidashko F. G	Uralsk Anti-Plague Station, Uralsk, Kazakhstan	Kazakhstan
21	Bocca M.	Parco Naturale Monte Avic	Italy
22	Buuveibaatar Bayarbaatar	Wildlife Conservation Society, Mongolia	Mongolia
23	Buyandelger Suuri	Science School of Art and Sciences, National University of Mongolia	Mongolia
24	Catherine E. Rubin	University of Alaska Museum, University of Alaska Fairbanks	USA



25	Christophe Lemaire	IRHS, Université d'Angers, INRA, Agrocampus-Ouest, Beaucouzé, France	France
26	Coraline Bichet	Institut für Vogelforschung "Vogelwarte Helgoland" (Institute of Avian Research), Wilhelmshaven, Germany	Germany
27	Dagdanbazar Bodi	Department of Anatomy, School of Pharmacy and Biomedicine, Mongolian National University of Medical Sciences	Mongolia
28	Delgerchimeg Davaasuren	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
29	Devyashin M. M	Institute of plant and animal ecology, Ural Branch of Russian academy of sciences	Russia
30	Dimitriev A.V	The Main Botanical Garden of the Russian Academy of Sciences	Russia
31	Dominique Allaine	Université de Lyon, Laboratoire de Biométrie et Biologie Evolutive, Villeurbanne, France	France
32	Dorzhiiev Ts. Z	Department of Zoology and Ecology, Buryat State University, Ulan-Ude, Russia	Russia
33	Dremina Yu. A	Kemerovo Agricultural Institute	Russia
34	Elena Sitnikova	State Nature Biosphere Reserve "Bryansky Les"	Russia
35	Elena Vanisova	Peoples' Friendship University of Russia	Russia
36	Enebish Sundui	Department of Anatomy, School of Pharmacy and Biomedicine, Mongolian National University of Medical Sciences	Mongolia
37	Enkhmaa Enkhbat	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
38	Enrica Calvani	Molecular Biology of Metabolism Laboratory, The Francis Crick Institute, London	United Kingdom
39	Erbajeva M. A	Geological Institute, Siberian Branch, Russian Academy of Sciences, Vinogradov Institute of Geochemistry Siberian Branch, Russian Academy of Sciences,	Russia
40	Falk Hildebrand	European Molecular Biology Laboratory, (EMBL), Heidelberg, Germany	Germany
41	Fedorova O.I.	Federal State Budgetary Educational Institution of Higher Education «Moscow state Academy of Veterinary Medicine and Biotechnology	Russia
42	Fedoseeva G.A	Research Institute of Fur Bearing Animals and Rabbits, Moscow, Russia	Russia
43	Foieri A.	Parco Naturale Monte Avic	Italy
44	Galina Savchenko	V.N. Karazin Kharkiv National University, National Nature Park 'Dvorichanskyi', Ukraine	Ukraine
45	Gankhuyag Ts	National Center for Zoonosis Diseases	Mongolia
46	Gantulga Gankhuyag	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia

2019-2020
 10th International Conference
 on Conservation Biology
 and Biodiversity
 (ICCB10)

47	Gasilin V. V	Institute of plant and animal ecology, Ural Branch of Russian academy of sciences	Russia
48	Grigorieva I. V	Karaganda State University named after E.A. Buketov, Kazakhstan	Kazakhstan
49	Heiner Kuhl	Max Planck Institute for Molecular Genetics, Sequencing Core Facility, Berlin	Germany
50	Ibragimov E. Sh	The Republican Center for Quarantine and Highly Dangerous Infections of the Ministry of Health of the Kyrgyz Republic,	Kyrgyzstan
51	Jakob Vowinckel	Department of Biochemistry and Cambridge Systems Biology Centre, University of Cambridge, United Kingdom	United Kingdom
52	James D Murdoch	University of Vermont, USA	USA
53	Johanna M. Gostner	Division of Medical Biochemistry, Medical University of Innsbruck, 6020 Innsbruck, Austria	Austria
54	Johannes Kamp	Institute of Landscape Ecology, University of Münster, Germany	Germany
55	John J. Welch	Department of Genetics, University of Cambridge, Cambridge CB2 3EH, United Kingdom	United Kingdom
56	John L. Koprowski	School of Natural Resources & the Environment, University of Arizona, Tucson, Arizona, USA	USA
57	Julian L. Griffin	Department of Biochemistry and Cambridge Systems Biology Centre, University of Cambridge, United Kingdom	United Kingdom
58	Kapitonov V. I	Tobolsk Complex Scientific Station of the UB RAS. Tobolsk, Russia	Russia
59	Kapustina S. Yu	Koltzov Institute of Developmental Biology, Russian Academy of Sciences	Russia
60	Khenzykhenova F.	Geological Institute of Siberian Branch of Russian Academy of Sciences	Russia
61	Kolesnikov V. V	Professor Zhitkov Federal State Budgetary Russian Research Institute of Game Management and Fur Farming	Russia
62	Koshkina A. I	Association of the Conservation of Biodiversity of Kazakhstan (ACBK), Kazakhstan	Kazakhstan
63	Kozulin V. M	United administration of Barguzinsky State Nature Biosphere Reserve and Zabaikalsky National Park ("Zapovednoe Podlemorye"), Buryat State University	Russia
64	Lebedko A. V	Agency of Forestry and wildlife protection in Kamchatsky kray	Russia
65	Lee D. Roberts	Department of Biochemistry and Cambridge Systems Biology Centre, University of Cambridge, United Kingdom	United Kingdom
66	Lenti Boero D.	University of Valle d'Aosta, Italy	Italy

91	Plotnikov L. A	Russian Research Institute of Game Management and Fur Farming, Kirov, Russia	Russia
92	Pole S.B	M. Aikimbayev's Kazakh Scientific Center for Quarantine and Zoonotic Diseases Almaty, Kazakhstan	Kazakhstan
93	Polyakov A. D	Kemerovo Agricultural Institute	Russia
94	Ruslan Urazaliyev	Association for the Conservation of Biodiversity of Kazakhstan (ACBK), Institute of Landscape Ecology, University of Münster, Germany	Germany
95	Saitaeva L. V	Udmurt State University, Izhevsk, Russia	Russia
96	Sanchir B	Khentii Aimag Environment and Tourism Department	Mongolia
97	Sophia Schade	Max Planck Institute for Molecular Genetics, Sequencing Core Facility, Berlin	Germany
98	Stefan Börno	Max Planck Institute for Molecular Genetics, Sequencing Core Facility, Ihnestrasse, Berlin	Germany
99	Suran Dagdan	Science School of Art and Sciences, National University of Mongolia	Mongolia
100	Sven Klages	Max Planck Institute for Molecular Genetics, Sequencing Core Facility, Berlin	Germany
101	Takeuchi K	School of Agriculture and Life sciences, The University of Tokyo	Japan
102	Tobias Kuemmerle	Geography Department, Humboldt University, Berlin, Germany	Germany
103	Todgerel T	Natural History Museum of Mongolia. Ulaanbaatar	Mongolia
104	Tokarska N.	V. N. Karazin Kharkiv National University. Ukraine	Ukraine
105	Tokarsky V. A	Faculty of Biology, Department of Zoology and Ecology of Kharkiv State University, Ukraine	Ukraine
106	Toni I. Gossmann	University of Sheffield	United Kingdom
107	Tsatsral Kh	National Center for Zoonosis Diseases	Mongolia
108	Tserenrorov D	National Center for Zoonosis Diseases	Mongolia
109	Tsogbadrakh N	National Center for Zoonosis Diseases	Mongolia
110	Tsogtjargal Garam	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
111	Undarmaa J	Center for Ecosystem Study, Mongolian State University of Agriculture	Mongolia
112	Undrakhbayar Enkhbat	Institute of General & Experimental Biology, Mongolian Academy of Sciences	Mongolia
113	Usukhjargal Dorj	Hustai National Park Trust	Mongolia
114	Uuganbayar Ganbold	Hustai National Park Trust	Mongolia

