

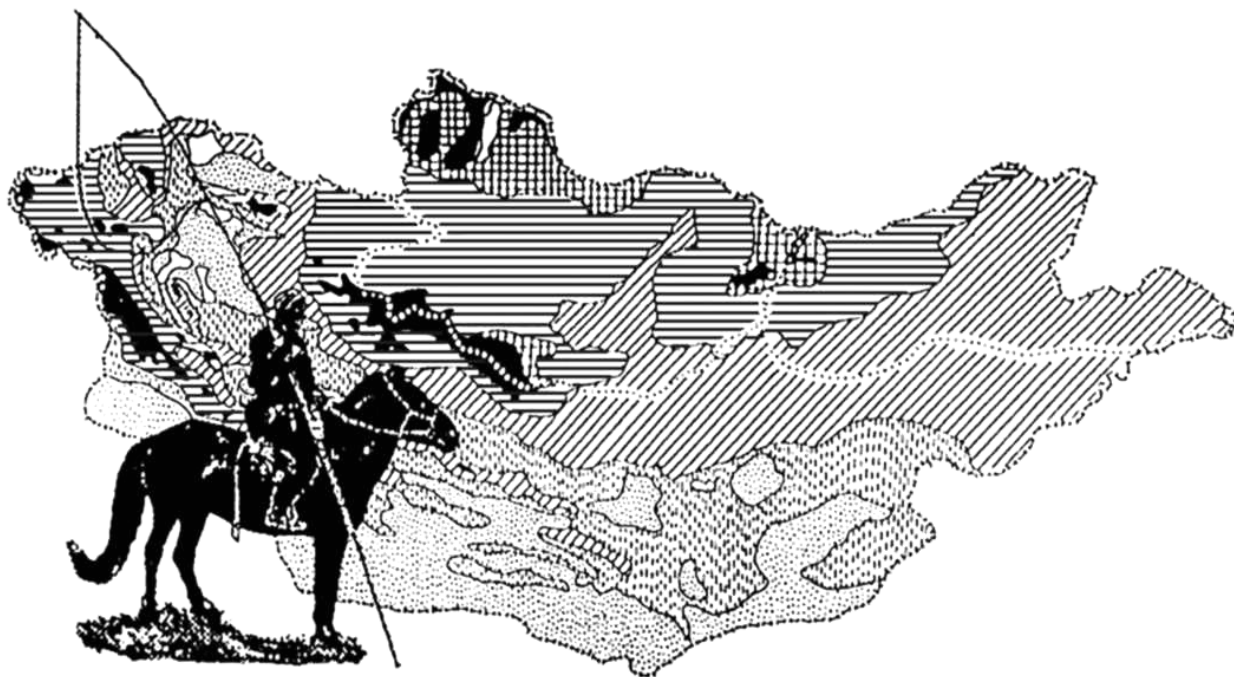
# Program

International Symposium in Halle/Saale

25-29 March 2012

## ***“Biodiversity Research in Mongolia”***

*50 Years of Mongolian-German Biological Expeditions:  
an Anniversary (1962-2012)*



hosted by

Martin-Luther-University Halle-Wittenberg

**(Institute of Biology and Central Magazine of Natural Sciences Collections)**

in cooperation with

International Academy for Nature Conservation Isle of Vilm

Senckenberg Museum of Natural History Görlitz

Helmholtz Centre of Environmental Research UFZ Magdeburg

Leibniz Institute of Plant Genetics and Crop Plant Research Gatersleben

National University of Mongolia Ulaanbaatar

Mongolian Academy of Sciences Ulaanbaatar

## Sunday, 25 March 2012

**19.00 o'clock**                    **Registration and welcome evening** in the Harz-Mensa  
(Harz 42, the old entry)

**Please bring your poster with you !**

## Monday, 26 March 2012

**9.00 o'clock**                    **Opening of the Symposium**  
(Aula, Universitätsplatz, main building with the lions in front)

**9.00 - 10.00 o'clock**    Greetings of different institutions

**10.00 - 10.15 o'clock**    Break

**10.15 - 12.15 o'clock**    **Introduction and overview contributions**

STUBBE, M.; R. SAMJAA & A. STUBBE

50 years Mongolian-German Biological Expeditions and their future

JAMSRAN, Ts.

Botanical collaboration between Halle-Wittenberg University, Germany and National University of Mongolia

SAMIYA, R.

Biodiversity research in Mongolia: Results, challenges and perspective

REGDEL, D.; Ch. DUGARJAV & P.D. GUNIN

Ecological conditions for social-economic development and preservation of biodiversity of Mongolia

CHIMED-OCHIR, B.; T. HERTZMAN, N. BATSAIKHAN, D. BATBOLD, D. SANJMYATAV, YO.ONON & B. MUNKHCHULUUN

Filling the Gaps to protect the biodiversity of Mongolia

KARTHE, D. & D. BORCHARDT

Incorporating biodiversity into Integrated Water Resources Management: Experiences from the Kharaa Catchment, Mongolia

**12.15 o'clock**                    **Photo in front of the main building**

**12.15 -14.00 o'clock**    **Lunch (Harz-Mensa)**

**14.00 o'clock**                    **Sessions in the following three sections and registration:**

**1. Biodiversity of Mongolian flora and vegetation** (Department of Geobotany and Botanical Garden, Kirchtor 1)

**2. Biodiversity of Mongolian terrestrial fauna and animal communities** (Department of Zoology, Domplatz 4)

**3. Biodiversity of aquatic ecosystems and glacier development** (Department of Zoology, Domplatz 4)

**19.00 o'clock**                    **Dinner and event-evening (films etc.), Harz-Mensa**

**1. Biodiversity of Mongolian flora and vegetation**  
(Department of Geobotany and Botanical Garden, Kirchtor 1)

**Monday, 26 March 2012**

**14.00-16.00 o'clock**    Registration and reports

**Welcome address and chairs: BRUELHEIDE, H.; I. HENSEN & K. WESCHE**

SANCHIR, Ch.

Results of the Mongolian-German cooperation in the research of the Mongolian flora

BRAUN, U.

Mongolian plants in the herbarium of the Martin-Luther-University Halle-Wittenberg

JAMSRAN, Ts.

Review of the aquatic vascular plant survey in Mongolia

TSETSEG, B.

The CBD and the diversity of prokaryotes in extreme environments of Mongolia

ENKHTUYA, O.

The role of joint Mongolian and German research for the knowledge on Mongolian lichens

**16.00 - 16.30 o'clock**    Coffee break

**16.30 - 18.00 o'clock**

**Chairs: NEUFFER, B. & R. ZÖLITZ**

SCHNITTLER, M., J. HARTLEIB, U. NAJMI, S. RILKE, A. ZEMMRICH & R. ZÖLITZ

An approach to the virtual flora of Mongolia - from a data repository to an expert system

URGAMAL, M.

The databases on the herbarium and the flora of Mongolia

SHATAR, S. & Sh. ALTANTSETSEG

The composition of essential oils of aromatic-medicinal plants from the Mongolian Gobi

GUNBILEG, D.

Phytopharmaceuticals in Mongolia – past, present and future

**19.00 o'clock**                    Dinner, films and discussions (Harz-Mensa)

**Tuesday, 27 March 2012**

**8.00 - 10.00 o'clock**

**Chairs: BLATTNER, F.; D. GUNBILEG & P.D. GUNIN**

NEUFFER, B.

Evolutionary history of the genus *Capsella* (Brassicaceae) - the missing link species *Capsella orientalis*, new for Mongolia

FRIESEN, N. & B. OYUNTSETSEG

Diploid *Allium ramosum* from East Mongolia: a missing link on origin of crop species *A. tuberosum*

HANELT, P.

The Mongolian poppies (*Papaver* spp.) in the context of their holarctic relatives

JÄGER, E. J.

Segetal weeds of Mongolia and Central Europe - will there be an exchange ?

KAZANTSEVA, T.I.; N.N. SLEMNEV & P.D. GUNIN

Structure and productivity of *Haloxylon* communities in Govi, Mongolia

**10.00 - 10.45 o'clock** Coffee break and **poster discussion**

**10.45 - 12.00 o'clock**

**Chairs: HILBIG, W.; CH. SANCHIR & M. SCHNITTLER**

SIRIN, A. A. & MINAYEVA, T.Yu. et al.

Peatlands of Mongolia: underestimated valuable and vulnerable ecosystems

NARANTUYA, N.

The influence of climate change and anthropogenic factors on steppe vegetation of Eastern Mongolia

GUNIN, P. D. & Ch. DUGARJAV

Landscape-ecological mapping as a basis for multi-level assessment of the ecosystem dynamics in Mongolia

WESCHE, K.; K. RONNENBERG, G. MIEHE & H. VON WEHRDEN

Evidence for grazing degradation in southern Mongolia - what do we know (and what does it mean) ?

**12.00 -14.00 o'clock** Lunch (Harz-Mensa)

**14.00-16.00 o'clock**

**Chairs: JÄGER, E.; H.D. KNAPP & V. YARMISHKO**

DUGARJAV, Ch.; Ch.DORJSUREN & Yu. KRASNOSHEKOV

The results of the stationary investigations of forest ecosystems in the Eastern Khentey Mountains of Mongolia

DULAMSUREN, Ch.

Global warming and forest performance in Mongolia and surrounding countries

HAUCK, M. & Ch. DULAMSUREN

The Altai project: research on biodiversity, ecosystem functions and pastoral nomadism in Kazakhstan and Mongolia

KHISHIJARGAL, M.; B. BATDEMEREEL, Ch. DULAMSUREN & M. HAUCK

Stem increment and natural regeneration in *Larix sibirica* forests of the Mongolian Altai

CHENLEMUGE, Ts.; D. HERTEL, Ch. DULAMSUREN & M. HAUCK

Fine root mass and morphological traits in *Larix sibirica* forests at the forest-steppe treeline in Mongolia

BATKHUU, N.-O.; L.D. KOO, J. TSOGTBAATAR, P.Y. DAE & P.G. EUN

Seed quality and growth performance of Scots pine and Siberian larch from geographically diverse seed sources of Mongolia

**16.00 - 18.00 o'clock** Coffee break and **poster discussion**

**19.00 o'clock** **Barbecue in the Department of Geobotany and Botanical Garden**

## **Wednesday, 28 March 2012**

**8.30 - 10.00 o'clock**

**Chairs: M. HAUCK & O. ENKHTUYA**

KNAPP, H.-D. & B. ČIMED-OČIR

Protected area system and potential World Heritage Sites in Mongolia - history, challenges and perspective

BEKET, U.

Current situation and some problems of the future preservation management of the strictly protected area of Mongolian Altay National Park

BEKET, U. & KNAPP, H. D.

Nature conservation and cultural heritage in the Mongolian Altai

MANTAI, Kh. & U. BEKET

Overgrazed area of Altai Tavan Bogd National Park

**10.00 - 11.00 o'clock** Coffee break and **poster discussion**

**11.00 - 12.00 o'clock**

**Chairs: WESCHE, K. & U. BEKET**

ERDENECHULUUN, D. & H.R. ETTTEL

Project: World Garden of Trees - Step-by-step re-naturization of Zaamar area

WESCHE, K.

Conclusion of the section

**14.00-17.00 o'clock** **Visits of institutes and Zoological collections, Herbarium, Botanical Garden, Francke Foundation, Zoological Garden if there is any interest.**

**19.00 o'clock** **Closing of the conference and farewell party (Harz Mensa)**

## **2. Biodiversity of Mongolian terrestrial fauna and animal communities**

(Department of Zoology, Domplatz 4)

**Monday, 26 March 2012**

**14.00-16.00 o'clock      Registration and reports**

**Welcome address and chairs: BAYARTOGTOKH, B.; R.SAMJAA & M. STUBBE**

BAYARTOGTOKH, B.

Biodiversity of insects and other arthropods in Mongolia, and perspectives of future research

ULYKPAN, K.

Faunal composition and life form structure of ground beetles (COLEOPTERA: CARABIDAE) in the main natural zones of Mongolia

PFEIFFER, M. & E. BAYANNASAN

The Darkling Beetles (Coleoptera: Tenebrionidae) of the German-Mongolian Expeditions 1997-2003

PODENAS, S.; J.K. GELHAUS & V. PODENIENE

Crane flies (Diptera: Tipulidae, Limoniidae, Cylindrotomidae, Pediciidae) and related families (Tanyderidae, Ptychopteridae, Trichoceridae) in Mongolia

MARUSIK, Yu.M.

History of and advance in the arachnological studies of Mongolia (Arachnida: Araneae)

**16.00 - 16.30 o'clock      Coffee break and poster discussion**

**16.30 - 18.00 o'clock**

**Chairs: GARDNER, S.L.; M. MÜHLENBERG & B. SHEFTEL**

ANSORGE, H; U. FRITZ, K.H. TERBISH & S. SHAR

*"Agrionemys kazachstanica terbishi"* or the two-faced Mongolian steppe tortoise

DOLCH, D.; J. ARIUNBOLD, K. THIELE, N. BATSAIKHAN & D. STEINHAUSER

Contributions to the Chiroptera of Mongolia: History and Current Status

SCHEFFLER, I.; D. DOLCH & J. ARIUNBOLD

Ectoparasites of bats in Mongolia - Results of biological expeditions 2008-2011

GARDNER, S. L.; D.S.TINNIN, N. BATSAIKHAN & S. GANSORIG

New discoveries in parasite - vertebrate biodiversity in Southern Mongolia

ARIUNBOLD, J.

Investigations of bats in the Darkhad wetlands

**19.00 o'clock                      Dinner, films and discussions (Harz-Mensa)**

## Tuesday, 27 March 2012

**8.00 - 10.00 o'clock**

**Chairs: ANSORGE, H.; V.N. BOLSHAKOV & M.A. ERBAJEVA**

KHENZYKHENOVA, F.; T. SATO, T. TSURUMARU, N. SCHEPINA, B. TSOGTBAATAR, J. TAKAKURA, Y. OTSUKA, SH. IIDA & M. AMBIRU

The fauna of the Palaeolithic Bayan-gol 1 Site, Bulgan Prefecture, Mongolia

ERBAJEVA, M.A.

Biodiversity and evolutionary development of Mongolian ochotonids in Cenozoic times

SHEFTEL, B.I.; R. SAMIYA, D.YU. ALEKSANDROV, P. TSERENDAVAA & M. MÜHLENBERG

Distribution and habitat preferences of small mammals in the upper reaches of the river Eero (West Khentii Mountains)

MESCHERSKY, I.G.; **N.Yu. FEOKTISTOVA**, P.L. BOGOMOLOV & A.V. SUROV

Phylogeography of the Desert hamster (*Phodopus roborovskii*) in western Mongolia

STÜRMER, I.W.; C. TITTMANN, R. WINDLER & R. SAMIYA

Brain Research in the Gobi Desert - how Neurobiology benefits from Mongolian-German Expeditions since 1995

MUNKZHUL, Ts.; J.D. MURDOCH, R.P. READING & R. SAMIYA

Red and Corsac foxes ecology in Ikh Nart Nature Reserve, Mongolia

**10.00 - 10.30 o'clock**      Coffee break

**10.30 - 12.00 o'clock**

**Chairs: KACZENSKY, P., B. LKHAGVASUREN & V.M. NERONOV**

MÜHLENBERG, M.

Long-term research on biodiversity in West Khentey, northern Mongolia

BATSAIKHAN, N.; B. CHIMED-OCHIR, D. SANJMYATAV, M. STUBBE, B. LKHAGVASUREN, A. STUBBE, S. GARDNER, S. GANZORIG, S. DORJDEREM, D. CHIMED-DORJ & R. SAMIYA

Biodiversity and mining development in southern and south-eastern Gobi Desert of Mongolia

LKHAGVASUREN, B.; B. CHIMEDDORJ & D. SANJMYATAV

Analyzing the effects of infrastructure on terrestrial mammals in Mongolia

WEHRDEN von, H.

Habitat modelling of Wild Camels using remote sensing and GIS data, with an outlook on other mammals

DORJRAA, O. & O. GANBAATAR

Takhi (Przewalski's horse) re-introduction into Mongolia

**12.00 -14.00 o'clock**      **Lunch (Harz-Mensa)**

**14.00-16.00 o'clock**

**Chairs: BATSAJKCHAN, N.; B. CHIMED-OCHIR & H. v. WEHRDEN**

KACZENSKY, P.; J.I. RANSOM, B.C. LUBOW, O. GANBAATAR & N. ALTANSUKH  
A grassroots approach for estimating wildlife abundance in the Mongolian Gobi

STUBBE, A.; M. STUBBE, N. BATSAJCHAN & R. SAMJAA  
Long-term ecology of Wild ass *Equus hemionus* in Central Asia

LKHAGVASUREN, D.; H. ANSORGE, R. SAMIYA, R. SCHAFBERG, A. STUBBE & M. STUBBE  
A method to determine the age of the Mongolian wild ass (*Equus hemionus* Pallas, 1775) using annual rings in the tooth cementum

NERONOV, V.M. & A.A. LUSHCHEKINA  
Ungulate migratory species and transboundary cooperation between Russia and Mongolia

WEIKANG, Y.; X. WENXUAN, X.CANJUN, L. WEI, G. XINGYI  
Wildlife and local communities investigation in transboundary area between China-Mongolia border

WENXUAN, X.; Y. WEIKANG, X.CANJUN, L. WEI, G. XINGYI  
Conflicts between human and wildlife in Baytik Mountain

**16.00 - 16.30 o'clock**      Coffee break

**16.30 - 18.00 o'clock**      **Poster discussion**

**19.00 o'clock**                      **Barbecue in the Department of Geobotany and Botanical Garden**

**Wednesday, 28 March 2012**

**8.00 – 10.00 o'clock**

**Chairs: GOMBOBAATAR, S.; S. KLAUS & F. STEINHEIMER**

TSEVEENMYADAG, N.; D.SUMIYA & A. BOLD  
The role of German scientists in Mongolian ornithology

GOMBOBAATAR, S.; D. SUMIYA & J. BAILLIE  
Mongolian Red List of Birds and its future development

STUBBE, M; N. BATSAJCHAN, O. LINDECKE & A. STUBBE  
Longterm ecology of some raptor species in Mongolia

GÜNTHER, S.; K. ASCHENBRENNER, I. STAMM, A. BETHE, A. STUBBE, M. STUBBE, Y. GLUPCZYNSKI, L. H. WIELER & CH. EWERS  
Mongolian raptors as carriers of multiresistent extended-spectrum beta-lactamases producing *Escherichia coli*

DURNEV, Y. & M. SONINA  
Dynamics of areas of model-species of birds in Mongolia and Southern Siberia: the basic tendencies and possible reasons



SONINA, M.

Features of process of sinantropisation of birds in the conditions of Baikal rift-zones

**10.00 - 10.30 o'clock** Coffee break

**10.30 - 12.00 o'clock**

**Chairs: BRÄUNLICH, A., R. SAMJAA & N. TSEVEENMYADAG**

REHSTEINER, U.

Breeding performance and nestling food in the Desert Wheatear *Oenanthe deserti* in the Dzungarian Gobi, Mongolia

KLAUS, S.; K.-H. SCHINDLATZ & H.-H.; BERGMANN

Territorial and courtship behaviour of Black-billed capercaillie (*Tetrao urogalloides stegmanni*) in the Khentej mountains

STUBBE, M. & R. SAMJAA

Conclusion of the section

**12.00 -14.00 o'clock** Lunch (Harz-Mensa)

**14.00-17.00 o'clock** Visits of institutes and Zoological collections, Herbarium, Botanical Garden, Francke Foundation, Zoological Garden if there is any interest.

**19.00 o'clock** Closing of the conference and farewell party (Harz Mensa)

### **3. *Biodiversity of aquatic ecosystems and glacier development*** (Department of Zoology, Domplatz 4)

**Monday, 26 March 2012**

**14.00-16.00 o'clock**

**Welcome address and chairs: Borchardt, D. & M. Walther**

WALTHER, M.; U. KAMP, K. MACMANIGAL, B. KRUMWIEDE & U. DASHKAA

Glacier retreat in Mongolia during the last 100 years in times of climate change and loss of biodiversity

ROTHER, H.; V. NOTTEBAUM & D. FINK

Late Quaternary glacial history of the Otgon Tenger area (Khangai Mountains, Central Mongolia) based on cosmogenic <sup>10</sup>Be exposure dating

MENZEL, L.; B. KOPP & ST. MINDERLEIN

The water resources of the Khentii Mountains and possible impacts from environmental change

HOFMANN, J. & GEREL, O.

Environmental changes and their consequences for water quality: case study  
Kharaa River Basin, Mongolia

DGEBUADZE, Yu. & B. MENDSAJHAN

Diversity and distribution of Mongolian fish: recent state, trends and studies

DULMAA, A.

Acclimatization of *Coregonus autumnalis migratorius* (Georgi, 1775)  
in water bodies of Mongolian Gobi

**16.00 - 16.30 o'clock**      Coffee break

**16.30 - 18.00 o'clock**

**Chairs: Dgebuadze, Yu & A. DULMAA**

KAUS, A.; M. SCHÄFFER & D. BORCHARDT

Fish ecology and management – Current research in the Kharaa and Eroo river  
catchments, northern Mongolia

PUREVDORJ, S.; M. SCHÄFFER & D. BORCHARDT

Food consumption in relation to composition and prey selectivity of a drift and ben-  
thic feeding fish species of comparative sites in the Kharaa river catchment, North-  
ern Mongolia

DOROFYUK, N.; **M. KULIKOVSKIY** & TS. DASHDORJIIN

Taxonomic composition and distribution of algae in Mongolia

SONINKHISHIG, N.; B. TSEGMID & M.B. EDLUND

Diatom survey in Mongolia

**19.00 o'clock**                      Dinner, films and discussions (Harz-Mensa)

**Tuesday, 27 March 2012**

**8.00 - 10.00 o'clock**

**Chairs: GELHAUS, J.K. & N. SONINKHISHIG**

SCHÄFFER, M.; A. SAULYEGUL & D. BORCHARDT

Aquatic macroinvertebrates and fish communities in the Kharaa river basin, North  
Mongolia: pressures and assessment

SAULYEGUL, A.; M. SCHÄFFER, N. SONINKHISHIG, R. IBISCH, D. BORCHARDT  
& R. SAMJAA

Life cycle strategy of the main aquatic insect groups in the Kharaa river basin,  
Mongolia

HAYFORD, B.; R.W. BOUCHARD & S.W. JUDSON

Use of ecological niche modeling to refine and extend knowledge on biodiversity of  
non-biting midges (Diptera: Chironomidae) of Mongolia

GELHAUS, J.K.

The census of aquatic insect biodiversity and water quality in Mongolia: results from the Mongolian Aquatic Insect Survey 2002-2011

ENKHNASAN, D.; B. NAMKHAIDORJ BALGAN & J. GELHAUS

Predaceous diving beetles (Coleoptera: Dytiscidae) and their associated habitats in Mongolia

**10.00 - 10.30 o'clock**      Coffee break

**10.30 - 12.00 o'clock**

**Chairs: HOFMANN, J. & M. SCHÄFFER**

PRONIN, M.N.; **M.D. BATUEVA** & T.G. BURDUKOVSKAYA

Peculiarities of the parasite fauna of *Thymallus nigrescens* from lake Khövsogöl (Hovsogol), Mongolia, and its long-term monitoring

KOMOV, V.T.; CH. JAVZAN, M. ERDENEBAT, W.G. BRUMBAUGH & D.E. TILLITT

Ecotoxicological survey of tributaries to the Selenge river, Mongolia, August 2010

KOMOV, V.T.; Ch. JAVZAN, M. ERDENEBAT, W.G. BRUMBAUGH & D.E. TILLITT

Mercury content in muscles of fish from Khövsgöl and Baikal lakes

WALTHER, M. & D. BORCHARDT

Conclusion of the section

**12.00 -14.00 o'clock**      **Lunch (Harz-Mensa)**

**From 14.00 o'clock onwards, participation in the other sections**

# POSTER

## 1. ***Biodiversity of Mongolian flora and vegetation***

ALTANTSETSEG, Sh.

A comparative study of essential oil constituents of *Ocimum basilicum* cultivated in the Mongolian Gobi

BOLORMAA, Ts.

“Linking Herders to Carbon Market”- ITS first grassland project in Mongolia

BYAMBASUREN, O.; M. MUEHLENBERG, M. WORBES & J.G. GOLDAMMER

Forest fire history based on tree-ring analysis

BRÜTTING, Ch.; K. RONNENBERG, O. TACKENBERG & K. WESCHE

Relative importance of zoochory vs. anemo- and hydrochory for seed dispersal in Mongolia

BYKOV, N.I. & I.J. SLJUSARENKO

The usage of woody plants by ancient inhabitants of Mongolia (according to Research on archaeological sites)

DANZHALOVA, E.; S.N. BAZHA, P.D. GUNIN, YU.I. DROBYSHEV, T.I. KAZANTSEVA, N.N. SLEMNEV & E. ARIUNBOLD

Diagnostic indicators of pasqual digression in steppe ecosystems of Mongolia

DROBYSHEV, Yu.I.; S.N. BAZHA, P.D. GUNIN & S.-KH.D. SYRTYPOVA

Significance of natural and cultural heritage for biodiversity conservation in Mongolia

ERDENECHULUUN, D. & H.R. ETTTEL

Project: World Garden of Trees - Step-by-step re-naturalization of Zaamar area

HILBIG, W.; K. PISTRICK, Ch. SANCHIR & N. NARANTUYA

Contribution to the knowledge of the flora of eastern Mongolia

GUNIN, P.D.; D.L. GOLOVANOV, T.I. KAZANTSEVA, A.V. PRISCHEPA, N.N. SLEMNEV, Sh. TSOOJ & Ya. ADYA

Natural conditions of the Govi oases and their role for biodiversity maintenance in the arid zone of Mongolia

KEMMLING-ALBINSKY, A.-K.

Analysis of morphology and genetic diversity of biological soil crusts from extra-zonal mountain dry steppes in Northern Mongolia

KNAPP, H.-D.

Results of biochemical research on Mongolian lichens and vascular plants – in Memoriam Siegfried Huneck (1928-2011)

KNAPP, H.-D.

*Camptosurus sibiricus* - relic of deciduous forests in Mongolia?

KRAUSE, J. & M. MÜHLENBERG

Status and threats of Dark Taiga forests in the Khonin Nougа area, West Khentey Mountains, Mongolia

NEUFFER, B.; N. FRIESEN, B. OYUNTSETSEG, TS. JAMSRAM & H. HURKA

Osnabrück Botanical Expeditions to Mongolia

- OYUNTSETSEG, B.; D. GERMAN, N. FRIESEN, W. BLEEKER, & B. NEUFFER  
The Central Asian genus *Dontostemon* (Brassicaceae)
- TIRALLA, N.  
Magnitude and structure of *Lymantria dispar asiatica* infestations of common forest-steppe tree species in Northern Mongolia
- TREIBER, J.; H. von WEHRDEN., E. WELK, G. SEIDLER & K. WESCHE  
Present and potential distribution of Central Asian dryland plants
- TSENDEEKHUU, Ts.  
Variation in oil accumulation and morphological characters within natural populations of Mongolian Seabuckthorn (*Hippophae rhamnoides* L. ssp. *Mongolica* Rousi)
- URGAMAL, M.  
Taxonomy of the Carrot family (Apiaceae Lindley 1836) in Mongolia
- YARMISHKO, V.; Ch. DORJSUREN, N.N. SLEMNEV, Z. TSOGT & M. YARMISHKO  
Monitoring of forest ecosystems in the areas of intensive development of Mongolia: concepts and methods
- ZUMBERELMAA, D.  
Contribution of the German-Mongolian Expeditions in development to the UBA Herbarium in Mongolia

## **2. Biodiversity of Mongolian terrestrial fauna and animal communities**

- ADIYA, YA.; TS. MUNKHZUL & S. DULAMTSEREN  
History and accomplishments of the Mammalian ecology Laboratory
- BATSAIKHAN, N.; A. STUBBE, S. GARDNER, M. STUBBE, D. TINNIN & S. GANZORIG  
Biodiversity of small mammals in Galba and Borzon Gobi Deserts, southern Mongolia
- BATSAIKHAN, N.; U. ZÖPHEL, R. SAMIYA, M. STUBBE & N. BANDI  
Small mammal communities and their dynamic in Hustai Nuruu National Park, Central Mongolia
- BAYARTOGTOKH, B.; E. OTGONJARGAL, L. KHURELTSETSEG & M. ALTANTSETSEG  
Diversity and communities of soil microarthropods of Altai mountains in Mongolia and Kazakhstan
- BOLSHAKOV, V.N.; I.A. VASILYEVA & A.G. VASILYEV  
Morphological disparity among rock voles of the genus *Alticola* from Mongolia, Kazakhstan and Russia (Rodentia, Cricetidae)
- BRÄUNLICH, A.  
Development of the Mongolian bird list: current state and outlook
- ERBAJEVA, M.A.; T.V. KISLOSHCHAEVA & N.V. ALEXEEVA  
Modern and past distribution area of *Ochotona daurica* Pallas, 1776 in Central Asia in context of global and regional events

- HANELT, M.; H. ANSORGE, N. BATSAIKHAN, P. KACZENSKY, D. LKHAVASUREN, S. MOLL, R. SAMJAA, R. TUNGALAG, K. WESCHE & W. XYLANDER  
Summer Schools on Biodiversity in Mongolia
- HEDDERGOTT, M.; M. STUBBE, W. STUBBE, P. STEINBACH & A. STUBBE  
Geographical distribution of the genus *Mesobuthus* (Scorpiones: Buthidae) in Mongolia
- KACZENSKY, P.  
Attitude of rural Mongolians towards Wild ass
- KARIMOVA, T.Yu.; A.A. LUSHCHEKINA, D. NARANTUYA, V.M. NERONOV, I.N. SAFRONOVA & B. UCHIRKBAYAR  
State of the Mongolian gazelle (*Procapra guttorosa* Pallas 1777) population in Eastern Mongolia at the turn of millenniums
- KHENZYKHENOVA, F.; D. TUMEN, M. ERDENE, N. TSYDENOVA, T. KHATAN-BAATAR & N. SCHEPINA  
Small mammals of the Neolithic sites and burial grounds in Mongolia (new data)
- KHURELTSETSEG, L.  
Communities of soil microarthropods in the Shajin Khurakh valley of the Bogdkhan Mountain
- KUDRYASHOVA, N.I.; A.A. LUSHCHEKINA & V.M. NERONOV  
Chigger mites (Trombiculidae) of small mammals of Mongolia
- LEBEDEV, V.S.; A.A. BANNIKOVA, S. SHAR & A.V. SUROV  
A revised checklist of Mongolian mammal species
- LESNIAK, I.; O. KRONE, M. STUBBE, F.-U. MICHLER & A. STUBBE  
Identification of avian blood parasites from Mongolian birds of prey and owls
- MÄUSEZAHN, K. & I.W. STÜRMER  
Comparative morphological study on ground squirrels (*Spermophilus spec.*) - trapped by German-Mongolian Expeditions investigating mammal biodiversity of steppe and desert zones
- MÜHLENBERG, M.  
Long-term research on biodiversity in West Khentey, northern Mongolia
- MUNKHBAYAR, Kh. & M. MUNKHBAATAR  
Herpetological diversity of Mongolia
- OTGONBAATAR, D.; A. DOLGORKHAND, D. TSERENNOROV & S. OTGONJARGAL  
The current situation of rabies in Mongolia
- OTGONJARGAL, E.  
Diversity and distribution of soil arthropods in Hustai National Park, Mongolia
- REHSTEINER, U.  
Offspring survival in the Demoiselle Crane *Anthropoides virgo* in Mongolia
- SAMJAA; R. & R. HOTZY  
“International project for the protection of the Gobi bear”, establishing a protection and information centre in the Trans-Altai Gobi

SCHAFBERG, R. & SCHÖPKE, K.

Morphometrics of postcranial skeletal remains on Asiatic wild ass (*Equus hemionus hemionus*)

STUBBE, M.; N. BATSAJCHAN, O. LINDECKE, R. SAMJAA & A. STUBBE

New data on feeding ecology of *Bubo bubo* and *Asio otus* (Aves, Strigidae) in Mongolia

STUBBE, M.; A. STUBBE & S. SHAR

On the longevity of the Daubenton's bat (*Myotis daubentonii* Kuhl, 1811) in the wild

STÜRMER, I.W.; C. TITTMANN, R. WINDLER & R. SAMIYA

Brain research in the Gobi desert - how neurobiology benefits from Mongolian-German Expeditions since 1995

SUROV, A.V. & P.L. BOGOMOLOV

Approaches to analyze a zonality in distribution of small mammals in Mongolia

TSERENDAVAA, P.; K. HACKLAENDER, R. SAMJAA, B. SHEFTEL & M. MÜHLENBERG

Population dynamics and density estimation of *Apodemus peninsulae* and *Microtus fortis* in Khonin Nuga, Khentey, Northern Mongolia

TSERENNOROV, D.; B. BOLOR, D. OTGONBAATAR & Ya. DAGVADORJ

Natural foci situation of tularaemia in Mongolia

USUKHJARGAL, D.; H. ANSORGE & N. BANDI

Population dynamic, reproduction and predation of the reintroduced Przewalski's wild horse (*Equus przewalskii*) in Hustai National Park, Mongolia

WALL, M.; O. LINDECKE & Y.M. MARUSIK

Recent findings in the Mongolian Arachnofauna

WIBBELT, G.; F.-U. MICHLER, A. STUBBE, M. STUBBE & A. KURTH

Histopathological and virological investigations in Mongolian bats

### **3. Biodiversity of aquatic ecosystems and glacier development**

DULMAA, A.

New data on fish *Coregonus peled* (Gmelin, 1788) in some water bodies of Mongolia

HOFMANN, J. & O. GEREL

Nutrient and heavy metal "hot spots" in the Kharaa river basin, Mongolia

POLOZCEK, A. & I.W. STÜRMER

Uniformness in a diversity of landscapes - Branchiopod communities in eastern and central Mongolia

PUREVDORJ, S.; R. SAMIYA, J. SLOWIK & M. MÜHLENBERG

Some taxonomic records of aquatic insects in Eroo River basin (West Khentii, Northern Mongolia)

**Friday, 30 March 2012**

**Post-Symposium-Excursion**

**Departure: 9.00 o'clock at Apart-Hotel**

1. Zoo Leipzig - our guide is Senior curator Dr. Bernhard

Lunch in the Zoo-Restaurant

2. Grassi-Museum of Ethnography –with guide, in English

**Arrival in Halle: around 17.00 o'clock**