

Boris Krasnov

CURRICULUM VITAE AND LIST OF PUBLICATIONS

Personal Details:

Boris Krasnov

Born 19.10.1955, Moscow, USSR (Russia)

Immigration to Israel 07.12.1990

Address and telephone at work:

Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, 84990 Midreshet Ben-Gurion, Israel.

Tel. +972-8-6566841; Fax: +972-8-6596772.

Address and telephone at home:

Ein Mashack str. 14/3, P.O.Box 384, Mizpe-Ramon 80600. Tel. +972-77-5080504, cell phone +972-526-552718

E-mail: krasnov@bgu.ac.il

Education:

B.Sc., 1973-1975, Moscow State University, Faculty of Biology, Moscow, Russia.

M.Sc., 1975-1978, Moscow State University, Faculty of Biology, Department of Zoology and Comparative Anatomy of Vertebrates, Moscow, Russia.

Ph.D. in Biology, 1981-1986, Moscow State University, Moscow, Russia.

Employment History:

2011-present. Full Professor, Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Israel.

2008-2011. Adjunct Full Professor, Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Israel.

2000-2008. Research Scientist Grade A, Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev and Ramon Science Center, Israel.

1991-2000. Research Scientist Grade B, Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev and Ramon Science Center, Israel.

1989-1990. Senior Research Scientist, Department of Tropical Science, Institute of Evolutionary Morphology and Ecology of Animals, Academy of Science USSR, Moscow, Russia.

1989. Visiting Senior Research Scientist, Laboratory of Ecology, Joint Soviet-Vietnam Research Center, Academy of Science of the USSR and Committee of Science and Engineering of the Socialist Republic of Vietnam, Kho-Shi-Min, Vietnam.

1980-1989. Research Scientist, Laboratory of Rodent Control, Institute of Disinfection and Sterilization, Ministry of Health of the USSR, Moscow, Russia.

1978-1980. Research Scientist, Laboratory of the Problems of Evolutionary Morphology, Institute of Evolutionary Morphology and Ecology of Animals, Academy of Science of the USSR, Moscow, Russia.

Professional Activities:(a) Positions in academic administration

- 2012-present. Chair, Mitrani Department of Desert Ecology, the Swiss Institute for Dryland Environmental and Energy Research, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel.
- 2011-2012. Director, the Swiss Institute for Dryland Environmental and Energy Research, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel.
- 2008-2011. Acting Director, the Swiss Institute for Dryland Environmental and Energy Research, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Sede-Boqer Campus, Israel.
- 2000-2007. Director. Ramon Science Center, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev, Mizpe-Ramon, Israel.
- 2001-2003. Director, Conservation of Biodiversity in Desert Ecosystems. MASHAV Course. Blaustein Institute for Desert Research, Ben-Gurion University of the Negev and Ministry of Foreign Affairs of Israel.
- 1989-1990. Coordinator of the ecological researches in tropical rain forests, Joint Russian-Vietnam Project. Scientific Secretary of Tropical Department. A. N. Severtsov Institute of Evolutionary Morphology and Ecology of Animals, Russian Academy of Science, Moscow, Russia.
- 1987-1989. Head of the Expedition of Institute of Disinfection and Sterilization, Ministry of Health of the USSR.
- 1981-1986. Deputy Head of the Expedition of Institute of Disinfection and Sterilization, Ministry of Health of the USSR.

(b) Professional functions outside universities/institutions

- 2011-present. Member of Editorial Board. *Integrative Zoology*.
- 2011-present. Associate Editor. *Mammalia*.
- 2009-present. Committee member. Israeli Taxonomic Initiative.
- 2008-present. Member of Editorial Board. *Current Zoology*.
- 2008-2011. Member of Editorial Board. *The Open Ecology Journal*.
- 2007- 2008. Member of Editorial Board. *The Open Entomology Journal*.
- 2006- present. Subject Editor and Member of Editorial Board. *Israel Journal of Ecology and Evolution* (former *Israel Journal of Zoology*)
- 2002- 2010. Member of Editorial Board. *Annals of Medical Entomology*.
- 2013-2014. Member of Scientific Organizing Committee of 14th International Conference “Rodens & Spatium”, Lisbon, Portugal.
2011. Symposium Organizer and Convener (“Mammals and their parasites”). 6th European Mammalogical Congress, Paris, France.
- 2010-2011. Member of Scientific Organizing Committee of 6th European Mammalogical Congress, Paris, France.
- 2008-2009. Member of Scientific Organizing Committee of 10th International Mammalogical Congress, Mendoza, Argentina.
- 2007-2008. Member of Scientific Organizing Committee of 11th International Conference “Rodens & Spatium”, Myshkin, Russia.
- 2006-2007. Symposium Organizer and Convener (“Mammals and macroparasites: Are there general rules?”). 5th European Mammalogical Congress, Siena, Italy.
- 2006-2007. Member of Scientific Organizing Committee of 10th International Conference “African Small Mammals”, Abomey-Calavi, Benin.

- 2005-2006. Member of Scientific Organizing Committee of 10th International Conference “Rodens & Spatium”, Parma, Italy.
- 2004-2005. Symposium Organizer and Convener (“Macroecology of mammal-parasite relationships”). 9th International Mammalogical Congress, Sapporo, Japan.
- 2003-2004. Member of Scientific Organizing Committee of 9th International Conference “Rodens & Spatium”, Lublin, Poland.
- 2002-2003. Member of Scientific Organizing Committee of 9th International Conference “African Small Mammals”, Morogoro, Tanzania.
- 2002-2003. Member of Scientific Organizing Committee of 4th European Congress of Mammalogy, Brno, Czech Republic.
- 2001-2002. Member of Scientific Organizing Committee of 8th International Conference “Rodens & Spatium”, Louvain-la-Neuve, Belgium.
1988. Member of the Organizing Committee of the 7th National Conference on Rodents, Nalchik, USSR.
1988. Member of the Organizing Committee of National Conference on House Mouse, Nalchik, USSR.
- 1987-1990. Member of the Committee of House Mouse of Russian Academy of Science.

(c) Significant professional consulting

- 1999-2005. Expert. INTAS Association (European Union). Review of research proposals. Reviewer of manuscripts for *Mammalia*, *Environmental Entomology*, *Israel Journal of Zoology*, *Diversity and Distributions*, *Animal Behaviour*, *Elytron*, *Journal of Medical Entomology*, *Canadian Journal of Zoology*, *Ecography*, *Oikos*, *Ecology*, *Behavioral Ecology and Sociobiology*, *Physiological and Biochemical Zoology*, *Belgian Journal of Zoology*, *Acta Parasitologica*, *Parasitology*, *Journal of Parasitology*, *Acta Theriologica*, *Functional Ecology*, *Journal of Animal Ecology*, *Ecological Entomology*, *Global Ecology and Biogeography*, *Acta Zoologica Sinica*, *Ecological Research*, *Australian Journal of Zoology*, *Acta Ethologica*, *Journal of Tropical Ecology*, *International Journal for Parasitology*, *Oecologia*, *Revista de la Sociedad Entomológica Argentina*, *Biological Letters of the Royal Society of London*, *Biological Journal of the Linnean Society*, *Australian Journal of Zoology*, *Comparative Parasitology*, *Journal of Biogeography*, *Integrative Biology*, *Behavioral Ecology*, *Bioessays*, *Journal of Insect Sciences*, *Journal of Physical Antropology*, *Behavioral Ecology*, *Current Zoology*, *Israel Journal of Ecology and Evolution*, *Vector-Borne and Zoonotic Diseases*, *Journal of Mammalogy*, *Integrative Zoology*, *African Journal of Zoology*.
- Reviewer of research proposals for US-Israel Binational Science Foundation, US-Israel Binational Agricultural Research and Development Fund, Academy of Sciences of Czech Republic, National Science Foundation (USA), Research Foundation – Flanders (Belgium), Israel Science Foundation, French National Research Agency, National Commission for Scientific and Technological Research (CONICYT) of Chile.
- Reviewer of reports for World Health Organization.
- 2006-2007. Organization of departmental seminars. Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev.

(f) Membership in professional/ scientific societies

- 2011-present. Society for Integrative and Comparative Biology.
- 2010-present. International Biogeography Society.

2009-present. Entomological Society of Israel.
1999-2006. Society of Vector Ecology.
1999-present. Ecological Society of America.
1992-present. Zoological Society of Israel.
1995-2005t. Animal Behavior Society.
1978-present. Russian Mammalogical Society.
1978-1990. Moscow Society of Naturalists.
1980-1989. Russian Disinfectionist Society.

Educational activities**(a) Courses taught**

1. Guided Reading in Macroecology. Graduate. Albert Katz International School for desert Studies. 2005 and 2007.
2. Guided Reading in Evolutionary Ecology of Parasitism. Graduate. Albert Katz International School for Desert Studies. 2004-2005 and 2012-present.
3. Evolutionary Ecology of Parasitism. Graduate. Albert Katz International School for desert Studies and Department of Life Science, Ben-Gurion University of the Negev, Israel. 2003 - present
4. Introduction to Dryland Ecology. Graduate. Albert Katz International School for Desert Studies, Blaustein Institute for Desert Research, Ben-Gurion University of the Negev, Israel (jointly). 2000-2002.
5. Mammalian Taxonomy, Ecology and Evolution. Undergraduate. Department of Life Science, Ben-Gurion University of the Negev, Israel. 1997-present
6. Conservation of Biodiversity in Desert Ecosystems. MASHAV Course. Blaustein Institute for Desert Research, Ben-Gurion University of the Negev and Ministry of Foreign Affairs of Israel (jointly). 1998-2003.

(b) Research students.

Trainees and project students.

2009. Corinna Kiefer, University of Karlsruhe and Ben-Gurion University.
2009. Alexandra Plotzker, University of Karlsruhe and Ben-Gurion University.
2006-2007. Eayl Bloche (jointly with Z. Abramsky and A. Bouskila, Department of Life Science, Ben-Gurion University), Ben-Gurion University.
2005. Dikla Bashary (jointly with Z. Abramsky, Department of Life Science, Ben-Gurion University), Ben-Gurion University.
2003. Lusine Ghazaryan (Armenia), trainee, Ben-Gurion University.
2003. Tatiana Ulianova (Russia), trainee, Ben-Gurion University.
2002. Marine Arakelyan (Armenia), trainee, Ben-Gurion University.
2001. Izik Oguzoglu (Turkey), trainee, Ben-Gurion University.
2000. Megan McMaster (South Africa), trainee, Ben-Gurion University.
2000. Tatyana Demidova (Russia), trainee, Ben-Gurion University.
1998. Luis Rios Gonsales (Guatemala), trainee, Ben-Gurion University.
1998. Maria Lizurume (Argentina), trainee, Ben-Gurion University.

M.Sc. students

2010-2011. Victoria Liberman (Albert Katz International School for Desert Studies, Ben-Gurion University)
2009-2010. Ashkhen Karapetyan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2009-2010. Ruzanna Gevorgyan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2009-2011. Shai Pilosof (jointly with C. Korine, Albert Katz International School for Desert Studies, Ben-Gurion University).

2008-2010. Adi Arbiv (jointly with O. Ovadia, Department of Life Science, Ben-Gurion University).

2008-2010. Khorean Avetysyan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2007-2008. Voldu Araya (Albert Katz International School for Desert Studies, Ben-Gurion University).

2007-2009. Vahan Serobyanyan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2006-2009. Ashael Raveh (jointly with Z. Abramsky, Department of Life Science, and Burt Kotler, Mitrani Department of Desert Ecology, Ben-Gurion University).

2006-2008. Lusine Khondkaryan (jointly with G. Shenbrot, Albert Katz International School for Desert Studies, Ben-Gurion University).

2004-2005. Dikla Bashary (jointly with Z. Abramsky, Department of Life Science, Ben-Gurion University).

2004-2006. Ana Hovhanyan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2004-2006. Lusine Ghazaryan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2003-2005. Andrey Bogdanov (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2002-2004. Natella Mirzoyan (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2002-2004. Mariela Leiderman (jointly with Y. Lubin, Albert Katz International School for Desert Studies, Ben-Gurion University).

2001-2003. Michal Sarfati (jointly with A. Degen, Albert Katz International School for Desert Studies, Ben-Gurion University).

2001-2003. Hadas Hawlena (jointly with Z. Abramsky, Department of Life Science, Ben-Gurion University).

1987-1988. Nadezhda Derviz (jointly with S. Shilova, Kalinin State University, Russia).

1985-1986. Helena Kudriavtseva (jointly with S. Shilova, Novosibirsk State University, Russia).

Ph.D. students

2011-present. Shai Pilosof (Albert Katz International School for Desert Studies, Ben-Gurion University).

2009-present. Ashael Raveh (jointly with Z. Abramsky, Department of Life Science, and Burt Kotler, Mitrani Department of Desert Ecology, Ben-Gurion University).

2003-2006. Hadas Hawlena (jointly with Z. Abramsky, Department of Life Science, Ben-Gurion University).

1998-2000. Pirchia Sinai (jointly with I. Choshniak, Tel-Aviv University).

(c) Post-doctorate fellows.

2009. Dr. Uri Gordon (jointly with U. Safriel, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev).

2005-2006. Dr. Hadas Hawlena (jointly with Z. Abramsky, Department of Life Science, Ben-Gurion University).

2004-2005. Dr. Joelle Gouy de Bellocq (France) (jointly with B. Pinshow, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev).

2013-2014. Dr. Elizabeth Dlugosz (USA).

Awards

2003. Poula and David Ben-Gurion Foundation. Yudit and Abraham Pasternak Prize.

2006. BGU Rector's Award for Outstanding Scientists.

2010. The Minister of Immigrant Absorption's Prize for Outstanding Scientists.

Scientific publications

(a) Authored books

1. Shenbrot, G.I., Krasnov, B.R. & Rogovin, K.A. 1999. *Spatial Ecology of Desert Rodent Communities*. SpringerVerlag, Berlin-Heidelberg-New York, 292 p.

Reviewed by D. Kelt (2000). *Journal of Mammalogy* 81: 1177-1179.

Reviewed by F. Kay (2000). *Journal of Arid Environments* 44: 263-264.

Reviewed by M. Daly (2001). *Ethology* 107: 666.

2. Shenbrot, G.I. & Krasnov, B. R. 2005. *An Atlas of the Geographic Distribution of the Arvicoline Rodents of the World (Rodentia, Muridae: Arvicolinae)*. Pensoft Publ., Sofia.

3. Krasnov, B. R. 2008. *Functional and Evolutionary Ecology of Fleas: A Model for Ecological Parasitology*. Cambridge University Press.

Reviewed by K. Dittmar (2009). *Quarterly Review of Biology* 84: 113-114.

Reviewed by M. Hastriter (2009). *Journal of Medical Entomology* 46: 716-716.

Reviewed by P. Moore (2009). *Bulletin of the British Ecological Society* 40: 52.

Reviewed by B. Dixon (2009). *Bookshelf* 56: 100.

(b) Editorship of collective volumes

1. Sokolov, V. E., Kotenkova, E. V. & Krasnov, B. R. 1989. *Домовая Мышь (The House Mouse)*, Nauka, Moscow (in Russian).

2. Krasnov, B. R. & Mazar, E. (eds). 2001. *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia.

3. Morand, S., Krasnov, B. R. & Poulin, R. (eds). 2006. *Micromammals and Macroparasites: From Evolutionary Ecology to Pest Management*. SpringerVerlag, Tokyo Berlin Heidelberg New York.

Reviewed by J. Light (2009). *Journal of Mammalian Evolution* 16: 53-55.

4. Morand, S. & Krasnov, B.R. 2010. *The Biogeography of Host-Parasite Interactions*. Oxford University Press, Oxford.

Reviewed by J.-F. Guegan (2011). *Parasites and Vectors* 4: 34.

Reviewed by D. Simberloff (2001). *Bioscience* 61: 925-927.

5. Morand, S., Krasnov, B.R. & Littlewood, T. 2014. *Parasite Diversity and Diversification: Evolutionary Ecology Meets Phylogenetics*. Cambridge University Press (forthcoming)

(c) Chapters in collective volumes

1. Vorob'ova, E. I. & Krasnov, B. R. 1979. Морфо-функциональный анализ зубной системы ящериц (Morpho-functional analysis of the tooth system in lizards). In: Vorob'ova, E., Iordansky, N. (eds.). *Состояние и перспективы развития*

- морфологии. (*Current State and Perspectives of Morphology*), Nauka, Moscow, Russia, pp. 122-127.
2. Krasnov, B. R., Khokhlova, I. S. & Stefanov, V. 1981. Использование бродифакума для одновременного контроля численности нескольких видов грызунов (Use of Brodyfacum for simultaneous control of several rodent species). In: Lyarsky, P.P. (ed.). *Современные проблемы медицинской дезинфекции и стерилизации (Modern Problems of Medical Disinfection and Sterilization)*, All-Union Institute of Disinfection and Sterilization, Moscow, pp. 75-76 (in Russian).
 3. Shilova, S. A., Stchipanov, N. A. & Krasnov, B. R. 1982. Контроль численности грызунов в стогах (Rodent control in the cornricks). In: Lyarsky, P.P. & Dryomova, V.P. (eds.). *Научные основы дезинфекции и стерилизации (Scientific Basis of Disinfection and Sterilization)*, All-Union Institute of Disinfection and Sterilization, Moscow, pp. 86-88 (in Russian).
 4. Shilova, S. A., Krasnov, B. R., Nabenov, K. & Kudryavtzeva, E. 1983. Использование нового пестицида бродифакума для контроля численности домашних мышей (Use of the new pesticide, Brodyfacum, for the house mouse control). In: Lyarsky, P.P., Dryomova, V.P. & Shilova, S.A. (eds.). *Теория и практика дезинфекции и стерилизации (Theory and Practice of Disinfection and Sterilization)*, All-Union Institute of Disinfection and Sterilization, Moscow, pp. 90-96 (in Russian).
 5. Krasnov, B. R. & Кнызева, Т. В. 1983. Обмен эктопаразитами между полуденной песчанкой *Meriones meridianus* и домашней мышью *Mus musculus* в эксперименте (Ectoparasite exchange between the midday jird, *Meriones meridianus*, and the house mouse, *Mus musculus*, under experiment). In: Taran, I.F. (ed). *Профилактика природноочаговых заболеваний (Prophylaxis of Diseases in the Natural Foci)*, Plague-Control Institute of Caucasus and Trans-Caucasus, Stavropol, pp. 243-244 (in Russian).
 6. Krasnov, B. R. & Krasnova, I. S. 1984. Изменения видового состава сообществ мелких млекопитающих в сельском населенном пункте после проведения работ по контролю численности (Changes in species composition of small mammal community in rural settlement after control activities). In: Turov, I. S. (ed.). *Актуальные проблемы дезинфекции и стерилизации (Actual Problems of Disinfection and Sterilization)*, All-Union Institute of Disinfection and Sterilization, Moscow, pp. 111-114 (in Russian).
 7. Stchipanov, N. I., Orленев, D. P., Kasatkin, M. V., Oleinichenko, V. Y. & Krasnov, B. R. 1989. Мелкие млекопитающие в сельскохозяйственном ландшафте предгорий Дагестана (Small mammals in the agricultural landscape of the Dagestan foothills). In: Khokhlov, A. N., Savelieva, V. V. (eds.). *Экологические проблемы Ставропольского региона (Ecological Problems of the Stavropol Region)*, Stavropol Committee of Nature Protection Society, Stavropol, pp. 335-357 (in Russian).
 8. Krasnov, B. R. & Khokhlova, I. S. 1989. Лабильность пространственно-этологической структуры группировок домашней мыши как стратегия адаптации к условиям среды (Plasticity of spatial and social structure of the house mouse populations as a strategy of adaptations to changing environment). In: Sokolov, V. E., Kotenkova, E. V. & Krasnov, B. R. (eds.). *Домашняя мышь (The House Mouse)*, Nauka, Moscow, pp. 223-253 (in Russian, English summary).
 9. Smirnova, T. V., Krasnov, B. R., Shalilova, V. & Ivanitzkaya, E. Y. 1989. Новый пестицид этилфенацин для контроля домашней мыши (New pesticide - ethylphenacin - for control of the house mouse). In: Sokolov, V. E., Kotenkova, E. V.

- & Krasnov, B. R. (eds.). Домовая мышь (*The House Mouse*), Nauka, Moscow, pp. 346-349 (in Russian, English summary).
10. Krasnov, B. R. & Khokhlova, I. S. 1994. Пространственная структура популяций. (Spatial structure of populations) . In: Kotenkova, E. V. & Bulatova, N. (eds.). Домовая мышь. Систематика, биология, распространение. (*The House Mouse (Mus musculus). Taxonomy, biology, distribution*), Nauka, Moscow, pp. 190-215 (in Russian, English summary).
 11. Shilova, S. A., Krasnov, B. R. & Stchipanov, N. A. 1991. Прикладной аспект популяционной экологии (на примере мелких млекопитающих) (The application aspect of population ecology (small mammals as a model)). In: Shilov, I. A. (ed.). Экология популяций (*Ecology of Populations*). Moscow, Nauka, pp. 35-53 (in Russian, English summary).
 12. Shenbrot, G. I. & Krasnov, B. R. 1996. Patterns of animal distribution along the rainfall gradient in the Central Negev as an indicator of Global Climate Changes. In: Steinberger, Y. (ed.). *Preservation of our world in the wake of change*. Proceedings of the Sixth International Conference of Israeli Society for Ecology and Environmental Quality Sciences. vol. VI.. ISEEQS Publ., Jerusalem, pp.185-186.
 13. Shenbrot, G. I. & Krasnov, B. R. 2001. Geographic variation in the role of gerbils and jirds (Gerbillinae) in rodent communities across the Great Palaeartic Desert Belt. In: Denys, C., Granjon, L. & Poulet, A. (eds.). *African Small Mammals*, IRD Editions, Paris, pp. 511-529.
 14. Shenbrot, G. I. & Krasnov, B. R. 2001. Rodents in desert environment: Is density dynamics really correlated with annual rainfall fluctuations? In: Prakash, I. (ed.). *Ecology of Desert Environments. Festschrift for Professor J.L.Cloudsley-Thompson*. Scientific Publishers, Jodhpur, pp. 405-421.
 15. Krasnov, B. R. & Shenbrot, G. I. 2001. Tenebrionid beetles of Makhtesh Ramon: diversity, seasonality and community structure. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 187-216.
 16. Krasnov, B. R., Khokhlova, I. S., Burdelova, N. V. & Shenbrot, G. I. 2001. Flea assemblages on rodents in Makhtesh Ramon: host-habitat mediation of host-parasite relationships. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 251-272.
 17. Krasnov, B. R. 2001. A monitoring protocol for a nature reserve: The case study for the Ramon Park Nature Reserve. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 309-322.
 18. Krasnov, B. R., Mazor, E., Avni, Y., Plakht, J. R. & Shenbrot, G. I. 2001. Urban ecology: Mizpe Ramon as an example. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 365-384.
 19. Shenbrot, G. I. & Krasnov, B. R. 2001. Rodents of Makhtesh Ramon: habitat distribution and temporal dynamics of spatial organization of communities. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 235-250.
 20. Shenbrot, G. I. & Krasnov, B. R. 2001. Lizards of Makhtesh Ramon: habitat distribution and spatial organization of communities. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 217-234.
 21. Mazor, E. & Krasnov, B. R. 2001. Makhteshim Country, Ramon Science Center and Nature Laboratory. In: Krasnov, B. R. & Mazor, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 1-32.

22. Mazon, E. & Krasnov, B. R. 2001. Vivid research in the Laboratory of Nature. In: Krasnov, B. R. & Mazon, E. (eds.). *The Makhteshim Country: Laboratory of Nature*, Pensoft Publ., Sofia, pp. 403-404.
23. Morand, S., Poulin, R. & Krasnov, B. R. 2006. Global changes and the future of mammal-macroparasite interactions. In: Morand, S., Krasnov, B.R. & Poulin, R. (eds.). *Micromammals and macroparasites: From evolutionary ecology to management*. SpringerVerlag, Tokyo Berlin Heidelberg New York, pp. 617-636.
24. Medvedev, S. & Krasnov, B.R. 2006. Fleas - permanent satellites of small mammals. In: Morand, S., Krasnov, B.R. & Poulin, R. (eds.). *Micromammals and macroparasites: From evolutionary ecology to management*. SpringerVerlag, Tokyo Berlin Heidelberg New York, pp. 161-278.
25. Poulin, R., Krasnov, B.R. & Morand, S. 2006. Patterns of host specificity in parasites exploiting small mammals. In: Morand, S., Krasnov, B.R. & Poulin, R. (eds.). *Micromammals and macroparasites: From evolutionary ecology to management*. SpringerVerlag, Tokyo Berlin Heidelberg New York, pp. 233-256.
26. Krasnov, B. R., Morand, S. & Poulin, R. 2006. Patterns of macroparasite diversity in small mammals. In: Morand, S., Krasnov, B.R. & Poulin, R. (eds.). *Micromammals and macroparasites: From evolutionary ecology to management*. SpringerVerlag, Tokyo Berlin Heidelberg New York, pp. 197-232.
27. Morand, S., Krasnov, B. R., Poulin, R. & Degen, A. A. 2006. Micromammals and macroparasites: Who is who and how do they interact? In: Morand, S., Krasnov, B.R. & Poulin, R. (eds.). *Micromammals and macroparasites: From evolutionary ecology to management*. SpringerVerlag, Tokyo Berlin Heidelberg New York, pp. 3-12.
28. Krasnov, B.R. 2009. Ectoparasite population dynamics: Determinants of ectoparasite species composition. In: Hare, P.A. (ed.). *Transfer of Technology: Sustainable and Unsustainable Experience from Israel*. BiblioBooks, Florida, pp. 257-271.
29. Morand, S. and Krasnov, B.R. 2010. Introduction. In: Morand, S. and Krasnov, B.R. (eds.). *The biogeography of host-parasite interactions*. Oxford University Press, Oxford, pp. 1-4.
30. Bordes, F., Morand, S., Krasnov, B.R. and Poulin, R. 2010. Parasite diversity and latitudinal gradients in terrestrial mammals. In: Morand, S. and Krasnov, B.R. (eds.). *The biogeography of host-parasite interactions*. Oxford University Press, Oxford, pp. 89-98.
31. Krasnov, B.R. and Poulin, R. 2010. Ecological properties of a parasite: species-specific stability and geographical variation. In: Morand, S. and Krasnov, B.R. (eds.). *The biogeography of host-parasite interactions*. Oxford University Press, Oxford, pp. 99-114.
32. Poulin, R. and Krasnov, B.R. 2010. Similarity and variability in parasite assemblages across geographical space. In: Morand, S. and Krasnov, B.R. (eds.). *The biogeography of host-parasite interactions*. Oxford University Press, Oxford, pp. 115-128.
33. Morand, S., Bordes, F., Pisanu, B., Gouÿ de Bellocq, J. and Krasnov, B.R. 2010. The geography of defence. In: Morand, S. and Krasnov, B.R. (eds.). *The biogeography of host-parasite interactions*. Oxford University Press, Oxford, pp. 159-172.
34. Morand, S. and Krasnov, B.R. 2010. Conclusions and Perspectives. In: Morand, S. and Krasnov, B.R. (eds.). *The biogeography of host-parasite interactions*. Oxford University Press, Oxford, pp. 267-270.
35. Krasnov, B.R. 2013. Ectoparasites of small mammals: interactive saturated and unsaturated communities. In: K. Rohde (ed.). *The Balance of Nature and Human Impact*. Cambridge University Press, Cambridge, pp. 89-102.

36. Krasnov, B.R. & Rizzoli, A. 2013. Population dynamics of ectoparasites of terrestrial hosts. In: K. Rohde (ed.). *The Balance of Nature and Human Impact*. Cambridge University Press, Cambridge, pp. 21-34.

(d) Refereed articles in scientific journals (h-index=28)

1. Krylova, T. V. & Krasnov, B. R. 1980. Влияние стерилианта из группы этилениминов на репродуктивный цикл и поведение обыкновенной полевки *Mus musculus* (The effect of ethylenimin sterilant on reproductive cycle and behavior of the common vole (*Microtus subarvalis*)). *Biological Sciences* 7: 46-54 (in Russian, English summary).
2. Krasnov, B. R. 1984. Совместное обитание полуденных песчанок *Meriones meridianus* и домовых мышей *Mus musculus* в полупустыне Северо-Западного Прикаспия (Co-habitation of the midday jird (*Meriones meridianus*) and the house mouse (*Mus musculus*) in the northwestern Caspian lowlands). *Zoologicheskyy Zhurnal* 63: 421-428 (in Russian, English summary).
3. Khokhlova, I. S. & Krasnov, B. R. 1986. Механизмы авторегуляции плотности в популяциях домового мыши (*Mus musculus* с различными типами пространственной структуры (Mechanisms of density autoregulation in the house mouse (*Mus musculus*) populations with different types of spatial structure). *Zoologicheskyy Zhurnal* 65: 407-415 (in Russian, English summary).
4. Krasnov, B. R. & Khokhlova, I. S. 1988. Взаимоотношения синантропных и диких грызунов в сельских населенных пунктах и последствия мероприятий по контролю численности (Interactions between synanthropic and non-synanthropic rodents in rural settlements and the consequences of rodent control). *Zoologicheskyy Zhurnal* 67: 600-609 (in Russian, English summary).
5. Krasnov, B. R. 1988. Экология домового мыши *Mus musculus* L. (Rodentia: Muridae) крайнего северо-востока палеарктики (Ecology of the house mouse, *Mus musculus* L. (Rodentia: Muridae) in the extreme North-East of the Palaearctic). *Zoologicheskyy Zhurnal* 67: 102-110 (in Russian, English summary).
6. Krasnov, B. R. 1988. Особенности биологии домового мыши (Biology of the house mouse). *Chemistry and Life* 12: 56-68 (in Russian).
7. Krasnov, B. R., Shilova, S. A. & Smirin, Y. M. 1990. Домовая мышь как фактор препятствующий заселению сельских населенных пунктов другими видами грызунов (The house mouse as a factor preventing rural settlement occupation by other rodent species). *Bulletin of the Moscow Naturalist Society, Ser. Biol.* 95: 30-37 (in Russian, English summary).
8. Khokhlova, I. S., Krasnov, B. R., Shenbrot, G. I. & Degen, A. A. 1994. Характер сезонных изменений массы тела у некоторых видов грызунов кратера Рамон, пустыня Негев, Израиль (Seasonal body mass changes and habitat distribution in several rodent species from the Ramon erosion cirque, Negev Highlands, Israel). *Zoologicheskyy Zhurnal* 73: 115-121 (in Russian, English summary).
9. Shenbrot, G. I., Krasnov, B. R. & Khokhlova I. S. 1994. On the biology of *Gerbillus henleyi* (Rodentia: Gerbillidae) in the Negev Highlands, Israel. *Mammalia* 58: 581-589.
10. Krasnov, B. R. & Ayal, Y. 1995. Seasonal changes in darkling beetle communities (Coleoptera: Tenebrionidae) in the Ramon erosion cirque, Negev Highlands, Israel. *Journal of Arid Environments* 31: 335-347.
11. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Ivanitskaya, E. Y. 1996. Spatial structure of rodent community in the Ramon erosion cirque, Negev highlands (Israel). *Journal of Arid Environments* 32: 319-327.

12. Krasnov, B. R. & Shenbrot, G. I. 1996. Structure of darkling beetle communities and factors influencing their spatial distribution in the Negev highlands (Israel). *Ecography* 19: 139-152.
13. Krasnov, B. R. & Khokhlova, I. S. 1996. Discrimination of midday jird's odour by house mice. *Animal Behaviour* 52: 659-665.
14. Krasnov, B. R., Ward, D. & Shenbrot, G. I. 1996. Body size and leg length variation in several species of darkling beetles (Coleoptera: Tenebrionidae) along a rainfall and altitudinal gradient in the Negev highlands (Israel). *Journal of Arid Environments* 34: 477-489.
15. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S., Degen, A. A. & Rogovin, K. V. 1996. On the biology of Sundevall's jird (*Meriones crassus* Sundevall) in Negev Highlands, Israel. *Mammalia* 60: 375-391.
16. Shenbrot, G. I. & Krasnov, B. R. 1997. Lizard-habitat relations in the Ramon erosion cirque, Negev highlands, Israel. *Journal of Zoology* 241: 429-440.
17. Krasnov, B. R., Shenbrot, G. I., Medvedev, S. G., Vatschenok, V. S. & Khokhlova, I. S. 1997. Host-habitat relation as an important determinant of spatial distribution of flea assemblages (Siphonaptera) on rodents in the Negev Desert. *Parasitology* 114: 159-173.
18. Krasnov, B. R. & Shenbrot, G. I. 1997. Seasonal variation in spatial organization of tenebrionid community in Negev Highlands, Israel. *Environmental Entomology* 26: 178-190.
19. Shenbrot, G. I. & Krasnov, B. R. 1997. Additional records of two small mammal species in the Central Negev. *Israel Journal of Zoology* 43: 299-300.
20. Shenbrot, G. I., Krasnov, B. R. & Khokhlova, I. S. 1997. On the biology of Wagner's gerbil (*Gerbillus dasyurus* (Wagner, 1842) (Rodentia: Gerbillidae) in the Negev Highlands, Israel. *Mammalia* 61: 467-486.
21. Krasnov, B. R., Shenbrot, G. I., Medvedev, S. G., Khokhlova, I. S. & Vatschenok, V. S. 1998. Habitat-dependence of a parasite-host relationship: flea assemblages in two gerbil species of the Negev Desert. *Journal of Medical Entomology* 35: 303-313.
22. Degen, A. A., Kam, M., Khokhlova, I. S., Krasnov, B. R. and Barraclough, T. 1998. Average daily metabolic rate of rodents: habitat and dietary comparisons. *Functional Ecology* 12: 63-73.
23. Krasnov, B. R. & Shenbrot, G. I. 1998. Structure of communities of ground-dwelling animals at the junction of two phytogeographic zones. *Journal of Biogeography* 25: 1115-1131.
24. Krasnov, B. R., Hastriter, M., Medvedev, S. G., Shenbrot, G. I., Khokhlova, I. S. & Vatschenok, V. S. 1999. Additional records of fleas (Siphonaptera) on wild rodents in the southern part of Israel. *Israel Journal of Zoology* 45: 333-340.
25. Shenbrot, G. I., Krasnov, B. R. & Khokhlova, I. S. 1999. Notes on the biology of the bushy-tailed jird, *Sekeetamys calurus*, in the central Negev, Israel. *Mammalia* 63: 374-377.
26. Krasnov, B. R., Shenbrot, G. I., Rios, L. & Lizurume, M. 2000. Does food-searching ability determine habitat selection? Foraging in sand of three species of gerbilline rodents *Ecography* 23: 122-129.
27. Gromov, V. S., Krasnov, B. R. & Shenbrot, G. I. 2000. Space use in Wagner's gerbil *Gerbillus dasyurus* (Wagner, 1842) in the Negev Highlands, Israel. *Acta Theriologica* 45: 175-182.

28. Shenbrot, G. I. & Krasnov, B. R. 2000. Habitat selection along an environmental gradient: theoretical models with an example of Negev Desert rodents. *Evolutionary Ecology Research* 2: 257-277.
29. Gromov, V. S., Krasnov, B. R. & Shenbrot, G. I. 2001. Behavioural correlates of spatial distribution in Wagner's gerbil *Gerbillus dasyurus* (Rodentia, Gerbillinae). *Mammalia* 65: 111-120.
30. Khokhlova, I. S., Krasnov, B. R., Shenbrot, G. I. & Degen, A. A. 2001. Body mass and environment: a study in Negev rodents. *Israel Journal of Zoology* 47: 1-14.
31. Tchabovsky, A. V., Krasnov, B. R., Khokhlova, I. S. & Shenbrot, G. I. 2001. The effect of vegetation cover on vigilance and foraging tactics in the fat sand rat, *Psammomys obesus*. *Journal of Ethology* 19: 107-115.
32. Fielden, L. J., Krasnov, B. R. & Khokhlova, I. S. 2001. Respiratory gas exchange in the flea *Xenopsylla conformis* (Siphonaptera: Pulicidae). *Journal of Medical Entomology* 38: 735-739.
33. Krasnov, B. R., Khokhlova, I. S., Fielden, L. J. & Burdelova, N. V. 2001. The effect of air temperature and humidity on the survival of pre-imaginal stages of two flea species (Siphonaptera: Pulicidae). *Journal of Medical Entomology* 38: 629-637.
34. Krasnov, B. R. & Khokhlova, I. S. 2001. The effect of behavioural interactions on the exchange of flea (Siphonaptera) between two rodent species. *Journal of Vector Ecology* 26: 181-190.
35. Krasnov, B. R., Khokhlova, I. S., Fielden, L. J. & Burdelova, N. V. 2001. Development rates of two *Xenopsylla* flea species in relation to air temperature and humidity. *Medical and Veterinary Entomology* 15: 249-258.
36. Tchabovsky, A. V., Popov, S. V. & Krasnov, B. R. 2001. Intra- and interspecific variation in vigilance and foraging of two gerbillid rodents, *Rhombomys opimus* and *Psammomys obesus*: the effect of social environment. *Animal Behaviour* 62: 965-972.
37. Krasnov, B. R., Khokhlova, I. S. & Shenbrot, G. I. 2002. The effect of host density on ectoparasite distribution: an example with a desert rodent parasitized by fleas. *Ecology* 83: 164-175.
38. Krasnov, B. R., Khokhlova, I. S., Fielden, L. J. & Burdelova, N. V. 2002. Time to survival under starvation in two flea species (Siphonaptera: Pulicidae) at different air temperatures and relative humidities. *Journal of Vector Ecology* 27: 70-81.
39. Duncan, F. D., Krasnov, B. R. & McMaster, M. 2002. Novel case of a tenebrionid beetle using discontinuous gas exchange cycle when dehydrated. *Physiological Entomology* 27: 79-83.
40. Tchabovsky, A. V. & Krasnov, B. R. 2002. Spatial distribution of *Psammomys obesus* in relation to vegetation in the Negev desert of Israel. *Mammalia* 66: 361-368.
41. Duncan, F. D., Krasnov, B. R. & McMaster, M. 2002. Metabolic rate and respiratory gas exchange patterns in tenebrionid beetles from the Negev Highlands, Israel. *Journal of Experimental Biology* 205: 791-798.
42. Khokhlova, I. S., Krasnov, B. R., Kam, M., Burdelova, N. I. & Degen, A. A. 2002. Energy cost of ectoparasitism: the flea *Xenopsylla ramesis* on the desert gerbil *Gerbillus dasyurus*. *Journal of Zoology* 258: 349-354.
43. Krasnov, B. R., Khokhlova, I. S., Oguzoglu, I. & Burdelova, N. I. 2002. Host discrimination by two desert fleas using an odour cue. *Animal Behaviour* 64: 33-40.
44. Shenbrot, G. I., Krasnov, B. R., Khokhlova, I. S., Demidova, T. & Fielden, L. J. 2002. Habitat-dependent differences in architecture and microclimate of the Sundevall's jird (*Meriones crassus*) burrows in the Negev Desert, Israel. *Journal of Arid Environments* 51: 265-279.

45. Fielden, L. J., Krasnov, B. R., Still, K. & Khokhlova, I. S. 2002. Water balance in two species of desert fleas, *Xenopsylla ramesis* and *X. conformis* (Siphonaptera: Pulicidae). *Journal of Medical Entomology* 39: 875-881.
46. Shenbrot, G. I. & Krasnov, B. R. 2002. Can interaction coefficients be determined from census data? Testing two estimation methods with Negev desert rodents. *Oikos* 99: 47-58.
47. Krasnov, B. R., Burdelova, N. V., Shenbrot, G. I. & Khokhlova, I. S. 2002. Annual cycles of four flea species (Siphonaptera) in the central Negev desert. *Medical and Veterinary Entomology* 16: 266-276.
48. Krasnov, B., Khokhlova, I., Fielden, L. & Burdelova, N. 2002. The effect of substrate on survival and development of two species of desert fleas (Siphonaptera: Pulicidae). *Parasite* 9: 135-142.
49. Krasnov, B. R., Khokhlova, I. S. & Shenbrot, G. I. 2003. Density-dependent host selection in ectoparasites: An application of isodar theory to fleas parasitizing rodents. *Oecologia* 134: 365-373.
50. Sinai, P., Krasnov, B. R., Shenbrot, G. I. & Choshniak, I. 2003. Ecology and behaviour of the lesser Egyptian gerbil (*Gerbillus gerbillus*) (Rodentia: Gerbillidae) from the Negev Highlands and Arava valley, Israel. *Mammalia* 67: 1-14.
51. Krasnov, B. R., Sarfati, M., Arakelyan, M. S., Khokhlova, I. S., Burdelova, N. V. & Degen, A. A. 2003. Host-specificity and foraging efficiency in blood-sucking parasite: Feeding patterns of a flea *Parapulex chephrenis* on two species of desert rodents. *Parasitology Research* 90: 393-399.
52. Krasnov, B. R., Burdelov, S. A., Khokhlova, I. S. & Burdelova, N. V. 2003. Sexual size dimorphism, morphological traits and jump performance in seven species of desert fleas (Siphonaptera). *Journal of Zoology* 261: 181-189.
53. Krasnov, B. R. & Shenbrot, G. I. 2003. Coevolutionary events in history of association of jerboas (Rodentia: Dipodidae) and their flea parasites. *Israel Journal of Zoology* 48: 331-350.
54. Krasnov, B. R., Khokhlova, I. S., & Shenbrot, G. I. 2003. Fleas, rodents, environment: factors determining habitat selection in hematophagous ectoparasites. *Trends in Entomology* 3:43-72.
55. Fielden, L. J., Krasnov, B. R., Khokhlova, I. S. & Arakelyan, M. S. 2004. Respiratory gas exchange in the desert flea *Xenopsylla ramesis* (Siphonaptera: Pulicidae): Response to temperature and blood-feeding. *Comparative Physiology and Biochemistry* 137: 557-565.
56. Shenbrot, G. I. & Krasnov, B. R. 2004. Temporal dynamics in a spatial organization of a rodent community in the Negev Highlands (Israel). *Journal of Zoology* 263: 207-218.
57. Krasnov, B. R., Khokhlova, I. S., Burdelov, S. A. & Fielden, L. J. 2004. Metabolic rate and jumping performance in seven species of desert fleas. *Journal of Insect Physiology* 50: 149-156.
58. Krasnov, B. R., Khokhlova, I. S., Burdelova, N. V., Mirzoyan, N. S. & Degen, A. A. 2004. Fitness consequences of density-dependent host selection in ectoparasites: Testing reproductive patterns predicted by isodar theory in fleas parasitizing rodents. *Journal of Animal Ecology* 73: 815-820.
59. Khokhlova, I. S., Spinu, M., Krasnov, B. R. & Degen, A. A. 2004. Immune response to fleas in a wild desert rodent: Effect of parasite species, parasite burden, sex of host and host parasitological experience. *Journal of Experimental Biology* 207: 2725-2733.

60. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Degen, A. A. 2004. Relationship between host diversity and parasite diversity: Flea assemblages on small mammals. *Journal of Biogeography* 31: 1857-1866.
61. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Degen, A. A. 2004. Flea species richness and parameters of host body, host geography and host "milieu" *Journal of Animal Ecology* 73: 1121-1128.
62. Krasnov, B. R., Shenbrot, G. I. & Khokhlova, I. S. 2004. Sampling fleas: The reliability of host infestation data. *Medical and Veterinary Entomology* 18: 232-240.
63. Krasnov, B. R., Poulin, R., Shenbrot, G. I., Mouillot, D. & Khokhlova, I. S. 2004. Ectoparasitic "jacks-of-all-trades": relationship between abundance and host specificity in fleas (Siphonaptera) parasitic on small mammals. *American Naturalist* 164: 506-515.
64. Krasnov, B. R., Mouillot, D., Shenbrot, G. I., Khokhlova, I. S. & Poulin, R. 2004. Geographical variation in host specificity of fleas (Siphonaptera): the influence of phylogeny and local environmental conditions. *Ecography* 27: 787-797.
65. Khokhlova, I. S., Spinu, M., Krasnov, B. R. & Degen, A. A. 2004. Immune responses to fleas in two rodent species differing in natural prevalence of infestation and diversity of flea assemblages. *Parasitology Research* 94: 304-311.
66. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Poulin, R. 2004. Relationships between parasite abundance and the taxonomic distance among a parasite's host species: An example with fleas parasitic on small mammals. *International Journal for Parasitology* 34: 1289-1297.
67. Krasnov, B. R., Poulin, R., Shenbrot, G. I., Mouillot, D. & Khokhlova, I. S. 2005. Host specificity and geographic range in haematophagous ectoparasites. *Oikos* 108: 449-456.
68. Krasnov, B. R., Shenbrot, G. I., Mouillot, D., Khokhlova, I. S. & Poulin, R. 2005. Spatial variation in species diversity and composition of flea assemblages in small mammalian hosts: geographic distance or faunal similarity? *Journal of Biogeography* 32: 633-644.
69. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Poulin, R. 2005. Diversification of ectoparasite assemblages and climate: an example with fleas parasitic on small mammals. *Global Ecology and Biogeography* 14: 167-175.
70. Krasnov, B. R., Burdelova, N. V., Khokhlova, I. S., Shenbrot, G. I. & Degen, A. A. 2005. Pre-imaginal interspecific competition in two flea species parasitic on the same rodent host. *Ecological Entomology* 30: 146-155.
71. Vazquez, D. P., Poulin, R., Krasnov, B. R. & Shenbrot, G. I. 2005. Species abundance patterns and the distribution of specialization in host-parasite interaction networks. *Journal of Animal Ecology* 74: 946-955.
72. Khokhlova, I. S., Krasnov, B. R., Kuznetsov, V., Sartor, C. E., Zan, M., Salek, L., Ghazaryan, L., Kam, M. & Degen, A. A. 2005. Dietary intake and time budget in two desert rodents: a diurnal herbivore, *Psammomys obesus*, and a nocturnal granivore, *Meriones crassus*. *Mammalia* 69: 57-67.
73. Krasnov, B. R., Mouillot, D., Shenbrot, G. I., Khokhlova, I. S. & Poulin, R. 2005. Abundance patterns and coexistence processes in communities of fleas parasitic on small mammals. *Ecography* 28: 453-464.
74. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Poulin, R. 2005. Nested pattern in flea assemblages across the host's geographic range. *Ecography* 28: 475-484.

75. Krasnov, B. R., Mouillot, D., Khokhlova, I. S., Shenbrot, G. I. & Poulin, R. 2005. Covariance in species diversity and facilitation among non-interactive parasite taxa: all against the host. *Parasitology* 130: 557-568.
76. Krasnov, B. R., Khokhlova, I. S., Arakelyan, M. S. & Degen, A. A. 2005. Is a starving host tastier? Reproduction in fleas parasitizing food limited rodents. *Functional Ecology* 19: 625-631.
77. Sarfati, M., Krasnov, B. R., Ghazaryan, L., Khokhlova, I. S., Fielden, L. J. & Degen, A. A. 2005. Energy costs of blood digestion in a host-specific haematophagous parasite. *Journal of Experimental Biology* 208: 2489-2496.
78. Krasnov, B. R., Stanko, M., Miklisova, D., Morand, S. 2005. Distribution of fleas (Siphonaptera) among small mammals: mean abundance predicts prevalence via simple epidemiological model. *International Journal for Parasitology* 35: 1097-1101.
79. Krasnov, B. R., Shenbrot, G. I., Mouillot, D., Khokhlova, I. S. & Poulin, R. 2005. What are the factors determining the probability of discovering a flea species (Siphonaptera)? *Parasitology Research* 97: 228-237.
80. Krasnov, B. R., Morand, S., Khokhlova, I. S., Shenbrot, G. I. & Hawlena, H. 2005. Abundance and distribution of fleas on desert rodents: linking Taylor's power law to ecological specialization and epidemiology. *Parasitology* 131: 825-837.
81. Krasnov, B. R., Morand, S., Hawlena, H., Khokhlova, I. S. & Shenbrot, G. I. 2005. Sex-biased parasitism, seasonality and sexual size dimorphism in desert rodents. *Oecologia* 146: 209-217.
82. Hawlena, H., Abramsky, Z. & Krasnov, B. R. 2005. Age-biased parasitism and density-dependent distribution of fleas (Siphonaptera) on a desert rodent. *Oecologia* 146: 200-208.
83. Poulin, R., Krasnov, B. R., Shenbrot, G. I., Mouillot, D. & Khokhlova, I. S. 2006. Evolution of host specificity in fleas: is it directional and irreversible? *International Journal of Parasitology* 36:185-191.
84. Krasnov, B. R., Stanko, M., Khokhlova, I. S., Mosansky, L., Shenbrot, G. I., Hawlena, H. & Morand, S. 2006. Aggregation and species coexistence in fleas parasitic on small mammals. *Ecography* 29: 159-168.
85. Krasnov, B. R., Stanko, M. & Morand, S. 2006. Age-dependent flea (Siphonaptera) parasitism in rodents: a host's life history matters. *Journal of Parasitology* 92: 242-248.
86. Krasnov, B. R., Stanko, M., Khokhlova, I. S., Miklisova, D., Morand, S., Shenbrot, G. I. & Poulin, R. 2006. Relationships between local and regional species richness in flea communities of small mammalian hosts: saturation and spatial scale. *Parasitology Research* 98: 403-413.
87. Krasnov, B. R., Stanko, M., Miklisova, D., Morand, S. 2006. Habitat variation in species composition of flea assemblages on small mammals in central Europe. *Ecological Research* 21: 460-469.
88. Stanko, M., Krasnov, B. R., & Morand, S. 2006. Relationship between host abundance and parasite distribution: inferring regulating mechanisms from census data. *Journal of Animal Ecology* 75: 575-583.
89. Krasnov, B. R., Stanko, M., Miklisova, D., Morand, S. 2006. Host specificity, parasite community size and the relation between abundance and its variance. *Evolutionary Ecology* 20: 75-91.
90. Mouillot, D., Krasnov, B. R., Gaston, K., Shenbrot, G. I. & Poulin, R. 2006. Conservatism of host specificity in parasites. *Ecography* 29: 596-602.

91. Hawlena, H., Abramsky, Z., Krasnov, B. & Khokhlova, I. 2006. Ectoparasites and age-dependent survival in a desert rodent. *Oecologia* 148: 30-39.
92. Krasnov, B. R., Morand, S., Mouillot, D., Shenbrot, G. I. Khokhlova, I. S. & Poulin, R. 2006. Resource predictability and host specificity in fleas: the effect of host body mass. *Parasitology* 133: 81-88.
93. Hawlena, H., Khokhlova, I. S., Abramsky, Z. & Krasnov, B. R. 2006. Age, intensity of infestation by flea parasites and body mass loss in a rodent host. *Parasitology* 133: 187-193.
94. Krasnov, B. R., Shenbrot, G. I. Khokhlova, I. S., Hawlena, H. & Degen, A. 2006. Temporal variation in parasite infestation of a host individual: Does a parasite-free host remain uninfested permanently? *Parasitology Research* 99: 541-545.
95. Krasnov, B. R., Shenbrot, G. I., Mouillot, D., Khokhlova, I. S. & Poulin, R. 2006. Ecological characteristics of flea species relate to their suitability as plague vectors. *Oecologia* 149: 474-481.
96. Gouy de Belloq, J., Krasnov, B. R., Khokhlova, I. S., Ghasaryan, L. & Pinshow, B. 2006. Immunocompetence and flea parasitism in a desert rodent. *Functional Ecology* 20: 637-646.
97. Krasnov, B. R., Shenbrot, G. I. Khokhlova, I. S. & Poulin, R. 2006. Is abundance a species attribute of haematophagous ectoparasites? *Oecologia* 150: 132-140.
98. Shenbrot, G. I., Krasnov, B. R. & Burdelov, S. A. 2006. Density-independent habitat distribution as a result of density-dependent habitat selection. *Evolutionary Ecology Research* 8: 1277-1290.
99. Krasnov, B. R., Stanko, M. & Morand, S. 2006. Are ectoparasite communities structured? Species co-occurrence, temporal variation and null models. *Journal of Animal Ecology* 75: 1330-1339.
100. Hawlena, H., Krasnov, B.R., Abramsky, Z., Khokhlova, I.S., Saltz, D., Kam, M., Tamir, A. & Degen, A.A. 2006. Flea infestation and energy requirements of rodent hosts: Are there general rules? *Functional Ecology* 20: 1028-1036.
101. Gouy de Belloq, J., Krasnov, B. R., Khokhlova, I. S., & Pinshow, B. 2006. Temporal dynamics of a T-cell mediated immune response in desert rodents. *Comp. Biochem. Physiol. A* 145: 554-559.
102. Krasnov, B. R., Shenbrot, G. I. Khokhlova, I. S. & Poulin, R. 2007. Geographic variation in the “bottom-up” control of diversity: fleas and their small mammalian hosts. *Global Ecology and Biogeography* 16: 179-186.
103. Stanko, M., Krasnov, B. R., Miklisova, D. & Morand, S. 2007. Simple epidemiological model predicts the relationships between prevalence and abundance in ixodid ticks. *Parasitology* 134: 59-68.
104. Burdelov, S. A., Leiderman, M., Krasnov, B. R., Khokhlova, I. S. & Degen, A.A. 2007. Locomotor response to light and surface angle in three species of desert fleas. *Parasitology Research*, 100: 973-982.
105. Shenbrot, G. I., Krasnov, B. R. & Lu, L. 2007. Geographic range size and host specificity in ectoparasites: A case study with *Amphipsylla* fleas and rodent hosts. *Journal of Biogeography* 34: 1679-1690.
106. Hawlena, H., Bashary, D., Abramsky, Z. & Krasnov, B.R. 2007. Benefits, costs and constraints of anti-parasitic grooming in adult and juvenile rodents. *Ethology* 113: 394-402.
107. Korralo, N.P., Vinarsky, M.V., Krasnov, B.R., Shenbrot, G.I., Mouillot, D. & Poulin, R. 2007. Are there general rules governing parasite diversity? Small mammalian hosts and gamasid mite assemblages. *Diversity and Distributions* 13: 353-360.

108. Vinarski, M.V., Korralo, N.P., Krasnov, B.R., Shenbrot, G.I. & Poulin, R. 2007. Decay of similarity of gamasid mite assemblages parasitic on Palaearctic small mammals: geographic distance, host species composition or environment? *Journal of Biogeography* 34: 1691-1700.
109. Hawlena, H., Abramsky, Z., Krasnov, B. R. & Saltz, D. 2007. Host defence versus intraspecific competition in the regulation of intrapopulations of the flea *Xenopsylla conformis* on its rodent host *Meriones crassus*. *International Journal for Parasitology* 37: 919-925.
110. Krasnov, B. R., Korine, C., Burdelova, N.V., Khokhlova, I.S. & Pinshow, B. 2007. Between-host phylogenetic distance and feeding efficiency in haematophagous ectoparasites: Rodent fleas and a bat host. *Parasitology Research*, 101: 365-371.
111. Vázquez, D. P., Melián, C. J., Williams, N. M., Blüthgen, N., Krasnov, B. R. & Poulin, R. 2007. Species abundance and asymmetric interaction strength in ecological networks. *Oikos* 116: 1120-1127.
112. Krasnov, B.R., Hovhanyan, A., Khokhlova, I.S. & Degen, A. A. 2007. Density-dependence and feeding success in haematophagous ectoparasites. *Parasitology* 134: 1379-1386.
113. Khokhlova, I.S., Hovhanyan, A., Krasnov, B.R. & Degen, A. A. 2007. Reproductive success in two species of desert fleas: Density-dependence and host effect. *Journal of Experimental Biology* 210: 2121-2127.
114. Krasnov, B.R., Stanko, M. & Morand, S. 2007. Host community structure and infestation by ixodid ticks: Repeatability, dilution effect and ecological specialization. *Oecologia* 154: 185-194.
115. Hawlena, H., Abramsky, Z. & Krasnov, B.R. 2007. Ultimate mechanisms of age-biased flea parasitism. *Oecologia* 154: 601-609.
116. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S., Mouillot, D. & Poulin, R. 2008. Latitudinal gradients in niche breadth: empirical evidence from haematophagous ectoparasites. *Journal of Biogeography* 35: 592-601.
117. Krasnov, B. R., Korralo-Vinarskaya, N. P., Vinarski, M. V., Shenbrot, G. I., Mouillot, D. & Poulin, R. 2008. Searching for general patterns in parasite ecology: Host identity vs. environmental influence on gamasid mite assemblages in small mammals. *Parasitology* 135: 229-242.
118. Mouillot, D., Krasnov, B. R., Shenbrot, G. I. & Poulin, R. 2008. Connectance and parasite diet breadth in flea-mammal webs. *Ecography* 31: 16-20.
119. Mouillot, D., Krasnov, B. R. & Poulin, R. 2008. Invariant intervality explained by phylogenetic constraints in host-parasite webs. *Ecology* 89: 2043-2051.
120. Poulin, R., Krasnov, B. R. & Shenbrot, G. I. 2008. Interaction frequency across the geographical range as a determinant of host specialization in generalist fleas. *International Journal for Parasitology* 38: 989-997.
121. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I.S. & Poulin, R. 2008. How are the host spectra of haematophagous parasites shaped over evolutionary time? Random choice vs. selection of a phylogenetic lineage. *Parasitology Research* 102: 1157-1164.
122. Khokhlova, I.S., Ghazaryan, L., Krasnov, B. R., & Degen, A. A. 2008. Effects of parasite specificity and previous infestation of hosts on the feeding and reproductive success of rodent-infesting fleas. *Functional Ecology* 22: 530-536.
123. Krasnov, B. R., Hovhanyan, A., Khokhlova, I.S. & Degen, A. A. 2008. Evidence for a negative fitness-density relationship between parent density and offspring quality for two *Xenopsylla* spp. parasitic on desert mammals. *Medical and Veterinary Entomology* 22: 156-166.

124. Hawlena, H., Krasnov, B.R., Abramsky, Z., Khokhlova, I.S., Gouey de Bellocq, J. & Pinshow, B. 2008. Effects of food abundance, host age, and flea infestation on the body condition and immunological variables of a rodent host, and their consequences for parasite survival. *Comparative Biochemistry and Physiology A* 150: 66-74.
125. Hawlena, H., Bashary, D., Abramsky, Z., Khokhlova, I. S. & Krasnov, B.R. 2008. Programmed versus stimulus-driven anti-parasitic grooming in a rodent: efficiency, time allocation and age-dependence. *Behavioral Ecology* 19: 929-935.
126. Krasnov, B. R., Khokhlova, I. S., Shenbrot, G. I. & Poulin, R. 2008. Geographic patterns of diversification: an example with ectoparasitic insects. *Biological Journal of the Linnean Society* 95: 807-814.
127. Morand, S. & Krasnov, B.R. 2008. Why apply ecological laws to epidemiology? *Trends in Parasitology* 24: 304-309.
128. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I.S., Hawlena, H. & Degen, A. A. 2008. Sex ratio in flea infrapopulations: number of fleas, host gender and host age do not have an effect. *Parasitology* 135: 1133-1141.
129. Krasnov, B. R., Mouillot, D., Khokhlova, I. S., Shenbrot, G. I. & Poulin, R. 2008. Scale-invariance of niche breadth in haematophagous ectoparasites. *Ecography* 31: 630-635.
130. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I.S., Vinarski, M. V., Korralo-Vinarskaya, N. P. & Poulin, R. 2008. Geographical patterns of abundance: testing expectations of the “abundance optimum” model in two taxa of ectoparasitic arthropods. *Journal of Biogeography* 35: 2187-2194.
131. Gustavsen, C.R., Chevret, P., Krasnov, B.R., Mowlavi, G. & Heller, S.R. 2008. The morphology of islets of Langerhans is only mildly affected by the lack of Pdx-1 in *Meriones jirds*. *General and Comparative Endocrinology* 159: 241-249.
132. Korralo-Vinarskaya, N. P., Krasnov, B. R., Vinarski, M. V., Shenbrot, G. I., Mouillot, D. & Poulin, R. 2009. Stability in abundance and niche breadth of gamasid mites across environmental conditions, parasite identity and host pools. *Evolutionary Ecology* 23: 329-345.
133. Laudisoit, A., Leirs, H., Makundi, R.H. & Krasnov, B.R. 2009. Seasonal and habitat dependence of species composition of flea assemblages parasitic on small mammals in Tanzania. *Integrative Zoology* 4: 196-212.
134. Matthee, S. & Krasnov, B.R. 2009. Searching for mechanisms of generality in the patterns of parasite abundance and distribution: ectoparasites of a South African rodent, *Rhabdomys pumilio*. *International Journal for Parasitology* 39: 781-788.
135. Krasnov, B.R., Vinarski, M.V., Korralo-Vinarskaya, N.P., Mouillot, D. & Poulin, R. 2009. Inferring associations among parasitic gamasid mites from census data. *Oecologia* 160: 175-185.
136. Laudisoit, A., Neerinckx, S., Makundi, R.H., Leirs, H. & Krasnov, B.R. 2009. Are local plague incidence and ecological characteristics of vectors and reservoirs related? A case study in north-east Tanzania. *Current Zoology* 55: 199-211.
137. Khokhlova, I.S., Ghazaryan, L., Krasnov, B.R. & Degen, A.A. 2009. Does acquired resistance of rodent hosts affect metabolic rate of fleas? *Journal of Experimental Zoology* 311: 389-398.
138. Khokhlova, I.S., Serobyanyan, V., Krasnov, B.R. and Degen, A.A. 2009. Is the feeding and reproductive performance of the flea, *Xenopsylla ramesis*, affected by the gender of its rodent host, *Meriones crassus*? *Journal of Experimental Biology* 212: 1429-1435.

139. Khokhlova, I.S., Serobyanyan, V., Krasnov, B.R. and Degen, A.A. 2009. Effect of host gender on blood digestion in fleas: mediating role of environment. *Parasitology Research* 105: 1667-1673.
140. Krasnov, B.R., Matthee, S., Lareschi, M., Korralo-Vinarskaya, N.P. & Vinarski, M.V. 2010. Co-occurrence of ectoparasites on rodent hosts; null model analyses of data from three continents. *Oikos* 119: 120-128.
141. Matthee, S., McGeoch, M.A. & Krasnov, B.R. 2010. Gender-biased ectoparasite infections: species-specific variation and the extent of male-biased parasitism. *Parasitology* 137: 651-660.
142. Krasnov, B. R., Stanko, M. & Morand, S. 2010. Competition, facilitation or mediation via host? Patterns of infestation of small European mammals by two taxa of haematophagous arthropods. *Ecological Entomology* 35: 37-44.
143. Krasnov, B.R., Mouillot, D., Shenbrot, G.I., Khokhlova, I.S. & Poulin, R. 2010. Deconstructing spatial patterns in species composition of ectoparasite communities: the relative contribution of host composition, environmental variables and geography. *Global Ecology and Biogeography* 19: 515-526.
144. Shenbrot, G.I., Krasnov, B.R. & Burdelov, S. A. 2010. Long-term study of population dynamics and habitat selection of rodents in the Negev Desert. *Journal of Mammalogy* 91: 776-786.
145. Krasnov, B.R., Mouillot, D., Shenbrot, G.I., Khokhlova, I.S., Vinarski, M.V., Korralo-Vinarskaya, N.P. and Poulin, R. 2010. Similarity in ectoparasite faunas of Palaearctic rodents as a function of host phylogenetic, geographic, or environmental distances: which matters the most? *International Journal for Parasitology* 40: 807-817.
146. Krasnov, B.R., Korralo-Vinarskaya, N.P., Vinarski, M.V. & Lareschi, M. 2010. Prediction of prevalence from mean abundance via a simple epidemiological model in mesostigmatid mites from two geographic regions. *Parasitology* 137: 1227-1237.
147. Fortuna, M.A., Stouffer, D.B., Olesen, J.M., Jordano, P., Mouillot, D., Krasnov, B.R., Poulin, R. and Bascompte, J. 2010. Nestedness versus modularity in ecological networks: two sides of the same coin? *Journal of Animal Ecology* 79: 811-817.
148. Krasnov, B.R. & Matthee, S. 2010. Spatial variation in gender-biased parasitism: host-related, parasite-related and environment-related effects. *Parasitology* 137: 1526-1537.
149. Lareschi, M. & Krasnov, B.R. 2010. Determinants of ectoparasite assemblage structure on rodent hosts from South American marshlands: The effect of host species, locality and season. *Medical and Veterinary Entomology* 24: 284-292.
150. Khokhlova, I.S., Hovhanyan, A., Degen, A.A. & Krasnov, B.R.. 2010. The effect of larval density on pre-imaginal development in two species of desert fleas. *Parasitology* 137: 1925-1935.
151. Khokhlova, I.S., Serobyanyan, V., Degen, A.A & Krasnov, B.R. 2010. Host gender and offspring quality in a flea parasitic on a rodent. *Journal of Experimental Biology* 213: 3299-3304.
152. Khokhlova, I.S., Ghazaryan, L., Degen, A.A. & Krasnov, B.R. 2010. Infestation experience of a rodent host and offspring viability of fleas: variation among host-parasite associations. *Journal of Experimental Zoology A* 313: 680-689.
153. Morick, D., Krasnov, B.R., Khokhlova, I.S., Shenbrot, G.I., Kosoy, M.Y. & Harrus, S. 2010. Bartonella genotypes in fleas (Insecta: Siphonaptera) collected from rodents in the Negev Desert, Israel. *Applied and Environmental Microbiology* 76: 6864-6869.

154. Kam, M., Degen, A.A., Khokhlova, I.S., Krasnov, B.R. and Geffen, E. 2010. Do fleas affect energy expenditure of their free-living hosts? *PLoSOne* 5: e13686.
155. Krasnov, B.R., Stanko, M., Khokhlova, I.S., Shenbrot, G.I., Morand, S., Korralo-Vinarskaya, N.P. & Vinarski, M.V. 2011. Nestedness and beta-diversity in ectoparasite assemblages of small mammalian hosts: effects of parasite affinity, host biology and scale. *Oikos* 120: 630-639.
156. Khokhlova, I.S., Serobyay, V., Degen, A.A & Krasnov, B.R. 2011. Discrimination of host sex by a haematophagous ectoparasite. *Animal Behaviour* 81: 275-281.
157. Krasnov, B. R., Mouillot, D., Shenbrot, G. I., Khokhlova, I. S. & Poulin, R. 2011. Beta-specificity: the turnover of host species in space and another way to measure of host specificity. *International Journal for Parasitology* 41: 33-41.
158. Krasnov, B.R., Shenbrot, G.I. & Khokhlova, I.S. 2011. Aggregative structure is the rule in communities of fleas: null model analysis. *Ecography* 34: 751-761.
159. Raveh, A., Kotler, B.P., Abramsky, Z. & Krasnov, B.R. 2011. Driven to distraction: Detecting the hidden costs of flea parasitism through foraging behaviour in gerbils. *Ecology Letters* 14: 47-51.
160. Krasnov, B.R., Poulin, R. & Mouillot, D. 2011. Scale-dependence of phylogenetic signal in ecological traits of ectoparasites. *Ecography* 34: 114-122.
161. Bordes, F., Morand, S. & Krasnov, B.R. 2011. Does investment into “expensive” tissue compromise anti-parasitic defence? Testes size, brain size and parasite diversity in rodent hosts. *Oecologia* 165: 7-16.
162. Morick, D., Krasnov, B.R., Khokhlova, I.S., Gottlieb, Y. & Harrus, S. 2011. Investigation of *Bartonella* acquisition and transmission in *Xenopsylla ramesis* fleas (Siphonaptera: Pulicidae). *Molecular Ecology* 20: 2864-2870.
163. Krasnov, B.R., Stanko, M. & Morand, S. 2011. An attempt to use ectoparasites as tags for habitat occupancy by small mammalian hosts in central Europe: Effects of host gender, parasite taxon and season. *Parasitology* 138: 609-618.
164. Krasnov, B.R., Stanko, M., Matthee, S., Laudisot, A., Leirs, H., Khokhlova, I.S., Korralo-Vinarskaya, N.P., Vinarski, M.V. & Morand, S. 2011. Male hosts drive infracommunity structure of ectoparasites. *Oecologia* 166:1099-1010.
165. Poulin, R., Krasnov, B.R., Mouillot, D. & Thieltges, D.W. (2011). The comparative ecology and biogeography of parasites. *Philosophical Transactions of the Royal Society of London B* 366: 2379-2390.
166. Liberman, V., Khokhlova, I.S., Degen, A.A. & Krasnov, B.R. 2011. The effect of host age on feeding performance of fleas. *Parasitology* 138: 1154-1163.
167. Poulin, R., Krasnov, B.R. & Mouillot, D. 2011. Host specificity in phylogenetic and geographic space. *Trends in Parasitology* 27: 355-361.
168. Kam, M., Khokhlova, I.S., Krasnov, B.R. & Degen, A.A. 2011. Flea infestation does not cause a long-term increase in energy metabolism in *Gerbillus nanus*. *Journal of Experimental Biology* 214: 3968-3971.
169. Guilhaumon, F., Krasnov, B.R., Poulin, R., Shenbrot, G.I. & Mouillot, D. 2012. Latitudinal mismatches between the components of mammal-flea interaction networks. *Global Ecology and Biogeography* 21: 725-731.
170. Khokhlova, I.S., Fielden, L.J., Degen, A.A. & Krasnov, B.R. 2012. Feeding performance of fleas on host species: is phylogenetic distance between hosts important? *Parasitology* 139: 60-68.
171. Krasnov, B.R., Mouillot, D., Khokhlova, I.S., Shenbrot, G.I. & Poulin, R. 2012. Compositional and phylogenetic dissimilarity of host communities drives

- compositional and phylogenetic dissimilarity of ectoparasite assemblages: geographic variation and scale-dependence. *Parasitology* 139: 338-347.
172. Krasnov, B.R., Bordes, F., Khokhlova, I.S. & Morand, S. 2012. Gender-biased parasitism in small mammals: patterns, mechanisms, consequences. *Mammalia* 76: 1-13.
173. Krasnov, B.R., Fortuna, M., Mouillot, D., Khokhlova, I.S., Shenbrot, G.I. & Poulin, R. 2012. Phylogenetic signal and species roles in compartmentalized mammal-flea networks. *American Naturalist* 179: 501-511.
174. Khokhlova, I.S., Fielden, L.J., Degen, A.A. & Krasnov, B.R. 2012. Digesting blood of an auxiliary host in fleas: Effect of phylogenetic distance from a principal host. *Journal of Experimental Biology* 215, 1259-1265.
175. Korine, C., Krasnov, B.R., Khokhlova, I.S. & Pinshow, B. 2012. Effects of host diet and thermal state on feeding performance of the flea *Xenopsylla ramesis*. *Journal of Experimental Biology* 215: 1435-1441.
176. Bordes, F., Ponlet, N., Goüy de Bellocq, J., Ribas, A., Krasnov, B.R. & Morand, S. 2012. Is there sex-biased resistance and tolerance in Mediterranean wood mouse (*Apodemus sylvaticus*) populations facing multiple helminth infections? *Oecologia* 170: 123-135.
177. Arbiv, A., Khokhlova, I.S., Ovadia, O., Novoplansky, A. & Krasnov, B.R. 2012. Use it or lose it: Reproductive implications of experimental host shifting in a haematophagous ectoparasite. *Journal of Evolutionary Biology* 25: 1140-1147.
178. Pilosof, S., Lareschi, M. & Krasnov, B.R. 2012. Host body microcosm and ectoparasite infracommunities: arthropod ectoparasites are not spatially segregated. *Parasitology* 139: 1739-1748.
179. Pilosof, S., Dick, C.W., Korine, C., Patterson, B.D. & Krasnov, B.R. 2012. Effects of anthropogenic disturbance and climate on patterns of bat fly parasitism. *PLoS ONE* 7: e41487.
180. Khokhlova, I.S., Fielden, L.J., Degen, A.A. & Krasnov, B.R. 2012. Ectoparasite fitness in auxiliary hosts: Phylogenetic distance from a principal host matters. *Journal of Evolutionary Biology* 25: 2005-2013.
181. Linardi, P.M. & Krasnov, B.R. 2013. Patterns of diversity and abundance of fleas (Insecta: Siphonaptera) and mites (Acari: Mesostigmata) in the Neotropics: host-related, parasite-related and environment-related factors. *Medical and Veterinary Entomology* 27: 49-58.
182. Korralo-Vinasrkaya, N.P., Vinarski, M.V., Khokhlova, I.S. & Krasnov, B.R. 2013. Body size and coexistence in gamasid mites parasitic on small mammals: null model analyses at three hierarchical scales. *Ecography* 36: 508-517.
183. Liberman, V., Khokhlova, I.S., Degen, A.A. & Krasnov, B.R. 2013. Reproductive consequences of host age in a desert flea. *Parasitology* 140: 461-470.
184. Krasnov, B.R., Vinarski, M.V., Korralo-Vinarskaya, N.P. & Khokhlova, I.S. 2013. Ecological correlates of body size in gamasid mites parasitic on small mammals: abundance and niche breadth. *Ecography* 36: 1042-1050.
185. Morick, D., Krasnov, B.R., Khokhlova, I.S., Gotlieb, Y. & Harrus, S. 2013. Transmission of Bartonella species OE 1-1 to Sundevall's Jirds (*Meriones crassus*) by *Xenopsylla ramesis* fleas. *Applied and Environmental Microbiology* 79: 1258-1264.
186. Khokhlova, I.S., Fielden, L.J., Williams, J.B., Degen, A.A. & Krasnov, B.R. 2013. Energy expenditure for egg production in arthropod ectoparasites: The effect of host species. *Parasitology* 140: 1070-1077.

187. Morick, D., Krasnov, B.R., Khokhlova, I.S., Gutierrez, R., Fielden, L.J., Gotlieb, Y. & Harrus, S. 2013. Effects of Bartonella on feeding and reproductive performance of fleas. *Applied and Environmental Microbiology* 79: 3438–3443.
188. Pilosof, S., Fortuna, M., Vinarski, M.V., Korralo-Vinarskaya, N.P. & Krasnov, B.R. 2013. Temporal dynamics of direct-reciprocal and indirect effects in a host-parasite network. *Journal of Animal Ecology* 82: 987-996.
189. Kiffner, C., Stanko, M., Morand, S., Khokhlova, I.S., Shenbrot, G.I., Laudisoit, A., Leirs, H., Hawlena, H. & Krasnov, B.R. 2013. Sex-biased parasitism is not universal: evidence from rodent-flea associations from three biomes. *Oecologia* 173: 1009-1022.
190. Krasnov, B.R., Pilosof, S., Stanko, M., Morand, S., Korralo-Vinarskaya, N.P. & Vinarski, M. V. 2013. Co-occurrence and phylogenetic distance in communities of mammalian ectoparasites: limiting similarity versus environmental filtering. *Oikos* (accepted, fall 2013).
191. Krasnov, B.R., Pilosof, S., Shenbrot, G.I. & Khokhlova, I.S. 2013. Spatial variation in the phylogenetic structure of flea assemblages across geographic ranges of small mammalian hosts in the Palearctic. *International Journal for Parasitology* 43: 763-770.
192. Morick, D., Krasnov, B.R., Khokhlova, I.S., Gutierrez, R., Gotlieb, Y. & Harrus, S. 2013. Vertical non-transovarial transmission of Bartonella in fleas. *Molecular Ecology* 22: 4747-4752.
193. Poulin, R., Krasnov, B.R., Pilosof, S. & Thieltges, D.W. 2013. Phylogeny determines the role of helminth parasites in intertidal food webs. *Journal of Animal Ecology* 82: 1265-1275.
194. Kuznetsova, T.A., Kam, M., Khokhlova, I.S., Kostina, N.V., Dobrovolskaya, T.G., Umarov, M.M., Degen, A.A., Shenbrot, G.I. & Krasnov, B.R. 2013. Desert gerbils affect bacterial composition of soil. *Microbial Ecology* 66: 940-949.
195. Krasnov, B.R., Pilosof, S., Shenbrot, G.I., Khokhlova, I.S. & Degen, A.A. 2014. Phylogenetic structure of host spectra in Palearctic fleas: stability versus spatial variation in widespread, generalist species. *Parasitology* (accepted, fall 2013).
196. Khokhlova, I.S., Pilosof, S., Fielden, L.J., Degen, A.A. & Krasnov, B.R. 2014. A trade-off between quantity and quality of offspring in haematophagous ectoparasites: the effect of the level of specialization. *Journal of Animal Ecology* (accepted, winter 2014).
197. Hadfield, J., Krasnov, B.R., Poulin, R. & Nakagawa, S. 2014. A tale of two phylogenies: Comparative analyses of ecological interactions. *American Naturalist* (accepted, winter 2014).
198. Pilosof, S., Korine, C., Moore, M. & Krasnov, B.R. 2014. Effects of sewage-water contamination on the immune response of a desert bat. *Mammalian Biology* (accepted, spring 2014).
199. Dlugosz, E.M., Downs, C.J., Khokhlova, I.S., Degen, A.A. & Krasnov, B.R. 2014. Ectoparasite performance when feeding on reproducing mammalian females: an unexpected decrease when on pregnant hosts. *Journal of Experimental Biology* (accepted, winter 2014).

(e) Non-refereed articles

1. Sarfati, M., Krasnov, B. R., Khokhlova, I. S. & Degen, A. A. 2003. Reciprocal physiological influences in the flea-rodent relationship: effects of host specificity.

- Bulletin of the University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania*, 60: 323.
2. Khokhlova, I. S., Krasnov, B. R., Kuznetsov, V., Sartor, C. E., Zan, M., Salek, L., Ghazaryan, L., Kam, M. & Degen, A. A. 2003. Dietary intake and time budget in two desert rodents: a diurnal herbivore and a nocturnal granivore. *Bulletin of the University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca, Romania*, 60: 322.
 3. Krasnov, B. R., Khokhlova, I. S., Shenbrot, G. I., Stanko, M. & Morand, S. 2006. The effect of rodent host abundance on ectoparasite abundance and distribution: Does theory work everywhere? *Hystrix – Italian Journal of Mammalogy Suppl*: 74-75.

Lectures and Presentations at Meetings and Invited Seminars not Followed by Published Proceedings

(a) Invited plenary lectures at conferences/meetings

1. 1988. Plasticity of social and spatial structure of the house mouse populations *Rodents. VII National Conference, Sverdlovsk, Russia.*
2. 1990. Interspecific interactions in rodents. *V Russian Theriological Society Conference, Moscow, Russia.*
3. 2002. Rodents, ectoparasites, environment: patterns and processes. *8th International conference “Rodents & Spatium”, Louvain-la-Neuve, Belgium.*
4. 2004. Host determinants of species richness of ectoparasite assemblages: An example with rodents and fleas. *9th International conference “Rodents & Spatium”, Lublin, Poland.*
5. 2005. Ecological characteristics of a flea species determining its suitability as a plague vector. *International Conference “Plague: bacteriology, evolution, ecology, epidemiology and its impact on human history”, Oslo, Norway.*
6. 2006. The effect of rodent host abundance on ectoparasite abundance and distribution: Does theory work everywhere? *10th International conference on rodent biology “Rodents & Spatium”, Parma, Italy.*
7. 2007. Are there general rules governing parasite diversity in small mammalian hosts? *European Congress of Mammalogy, Siena, Italy.*
8. 2009. Searching for general patterns in parasite ecology. *10th International Mammalogical Congress, Mendoza, Argentina.*
9. 2009. Are there general rules governing ecology of ectoparasitic arthropods? *28th Annual Meeting of the Entomological Society of Israel, Tel Aviv.*
10. 2010. Searching for general rules in the ecology of arthropod ectoparasites. *IX European Congress of Entomology, Budapest, Hungary.*
11. 2011. The comparative ecology and biogeography of parasites. *The 5th International Conference of the International Biogeography Society, Heraklion, Crete, Greece.*
12. 2011. Are there general rules in the ecology of arthropod ectoparasites? *Global Conference on Entomology, Chiang Mai, Thailand.*
13. 2011. Patterns, causes and consequences of gender-biased parasitism. *VI European Congress of Mammalogy, Paris, France.*
14. 2011. Gender-biased parasitism by arthropod ectoparasites. *Annual Meeting of the Entomological Society of Israel.*
15. 2012. Ecological characteristics of a vector as indicators of the ability to transmit pathogens: A story of fleas and plague. *Regional workshop: Rodent survey: from trapping to pathogen screening. Bangkok, Thailand.*

16. 2012. Ectoparasite diversity: host species, host communities and geography. Keynote Lecture. *XI European Multicolloquium on Parasitology, Cluj-Napoca, Romania, 25-29 July 2012.*

(b) Presentation of papers at conferences/meetings

1. Krasnov, B. R. 1980. Behavioral and spatial changes in artificial populations of the common vole under treatment of sterilizing pesticide. *Rodents. V National Conference, Saratov, Russia.*
2. Krasnov, B. R. 1982. Co-habitation of *Meriones meridianus*, *Mus musculus* and *Apodemus sylvaticus* and rodent control experiments. *Mammals of USSR. III Russian Theriological Society Conference, Moscow, Russian.*
3. Krasnov, B. R. 1983. Behavioral interactions between two vole species in experiment. *Animal Behavior in Communities. National Conference, Moscow, Russia.*
4. Krasnov, B. R. 1983. Behavioral interactions as a basis for spatial segregation of two rodent species in the Northwestern Caspian semi-desert. *Animal Behavior in Communities. National Conference, Moscow, Russia.*
5. Krasnov, B. R. & Khokhlova, I. S. 1984. Spatial structure of populations of the feral house mouse in Kalmykia. *Rodents: VI National Conference, Leningrad, Russia.*
6. Frisman, L. & Krasnov, B. R. 1986. Genetical differentiation among three forms of the house mouse from USSR. *IV Russian Theriological Society Conference, Moscow, Russia.*
7. Krasnov, B. R. & Kaidun, I. 1986. Ecological properties of the house mouse populations on the extreme North-East of USSR. *IV Russian Theriological Society Conference, Moscow, Russia.*
8. Krasnov, B. R. 1987. The expansion of the house mouse as a result of the development of the north-eastern regions of the USSR. *The Effect of Anthropogenic Transformation of Landscapes on Terrestrial Vertebrates. National Conference, Moscow, Russia.*
9. Shilova, S. A., Shutova, M. I., Ryl'nikov, V. A., Krasnov, B. R. & Stchipanov, N. A. 1987. Modern strategies of rodent control in urban and rural settlements. *Actual Problems of Disinfection and Sterilization. National Conference, Odessa, Ukraine.*
10. Khokhlova, I. S. & Krasnov, B. R. 1988. Plasticity of social and spatial structure of the house mouse populations. *Rodents. VII National Conference, Sverdlovsk, Russia.*
11. Krasnov, B. R. & Khokhlova, I. S. 1988. Interspecific interactions in rodents and complex approach to their control. *Rodents. VII National Conference, Sverdlovsk, Russia.*
12. Shilova, S. A., Krasnov, B. R. & Stchipanov, N. A. 1988. The application aspect of population ecology on small mammal model. *Population Ecology. National Conference, Moscow, Russia.*
13. Krasnov, B. R. & Khokhlova, I. S. 1990. Social and spatial organization of the house mouse populations under different environmental conditions. *V National Theriological Society Conference, Moscow, Russia.*
14. Krasnov, B. R., Shilova, S. A. & Smirin, Y. M. 1990. On interspecific relations in the house mouse. *V Russian Theriological Society Conference, Moscow, Russia.*
15. Krasnov, B. R. & Khokhlova, I. S. 1993. Seasonal changes in the distribution of rodents in the Ramon Cirque, Negev Highlands, Israel. *6th International Theriological Congress, Sydney, Australia*
16. Krasnov, B. R. & Khokhlova, I. S. 1993. Spatial and ethological structure of populations of the house mouse (*Mus musculus*) under different environmental conditions. *6th International Theriological Congress, Sydney, Australia.*

17. Krasnov, B. R., Shenbrot, G. I. & Khokhlova, I. S. 1994. Rodent community organization in Makhtesh Ramon: spatial and temporal patterns. *30 Annual Meeting of Zoological Society of Israel, Tel-Aviv.*
18. Shenbrot, G. I., Krasnov, B. R. & Khokhlova, I. S. 1994. Patterns of animal distribution at the boundary of two biogeographical zones as possible indicator of Global Climate Changes: an example with beetles, lizards and rodents at the Ramon-Zohar line (Central Negev). *30 Meeting of Ecological Society of Israel, Tel-Aviv.*
19. Krasnov, B. R. & Khokhlova, I. S. 1995 Host-parasite relationships: flea composition on a rodent as an indicator of its ecology. *II European Congress of Mammalogy, Southampton, Great Britain.*
20. Krasnov, B. R. 1995 Spatial structure of darkling beetle communities. *31 Annual Meeting of Zoological Society of Israel, Haifa.*
21. Krasnov, B. R., Shenbrot, G. I. & Khokhlova, I. S. 1995. Flea assemblages on gerbilline rodents in Makhtesh Ramon. *32 Annual Meeting of Zoological Society of Israel, Tel-Aviv.*
22. Shenbrot, G. I. & Krasnov, B. R. 1995. Habitat selection in a seasonally variable environment. *32 Annual Meeting of Zoological Society of Israel, Tel-Aviv.*
23. Krasnov, B. R., Shenbrot, G. I. & Khokhlova, I. S. 1996. Host specificity versus habitat specificity trade-off in flea assemblages (Siphonaptera) on rodents in the Negev Desert. *33 Annual Meeting of Zoological Society of Israel, Tel-Aviv.*
24. Shenbrot, G. I. & Krasnov, B. R. 1996. Estimation of competition from census data in a Central Negev desert rodent community. *33 Annual Meeting of Zoological Society of Israel, Tel-Aviv.*
25. Shenbrot, G. I. & Krasnov, B. R. 1997. Habitat selection along an environmental gradient: theoretical models with an example of Negev desert rodents. *7th International Theriological Congress, Acapulco, Mexico.*
26. Krasnov, B. R. , Shenbrot, G. I. & Khokhlova, I. S. 1997. Flea infracommunities of desert rodents: host specificity versus habitat specificity trade-off. *7th International Theriological Congress, Acapulco, Mexico.*
27. Krasnov, B. R. & Shenbrot, G. I. 1997. Structure of communities of ground-dwelling animals at the junction of two phytogeographic zones. *34 Annual Meeting of Zoological Society of Israel, Tel-Aviv.*
28. Krasnov, B. R., Khokhlova, I. S. & Shenbrot, G. I. 1998. Environmental mediation of the rodent-flea relationship. *Sixth International Conference "Rodents & Spatium", Acre, Israel.*
29. Shenbrot, G. I. & Krasnov, B. R. 1998. Spatial and temporal variation in the structure of the rodent community in the Negev Highlands (Israel). *Sixth International Conference "Rodents & Spatium", Acre, Israel.*
30. German, A., Khokhlova, I. S. & Krasnov, B. R. 1998. Mice are lovable. *Sixth International Conference "Rodents & Spatium", Acre, Israel.*
31. Krasnov, B. R. & Khokhlova, I. S. 1998. Behavioral interactions as a mechanism of spatial distribution in syntopic rodent species. *VII International Congress of Ecology, Florence, Italy.*
32. Shenbrot, G. I. & Krasnov, B. R. 1998. Long-term observations of the structure of rodent community at the border between arid and extra-arid zones. *VII International Congress of Ecology, Florence, Italy.*
33. Shenbrot, G. I. & Krasnov, B. R. 1998. Competition between *Gerbillus dasyurus* and *Mus musculus*: estimations from census data and field experiments. *35 Annual Meeting of Zoological Society of Israel, Haifa.*

34. Gromov V. S., Krasnov, B. R. & Shenbrot, G. I. 1998. Space use in Wagner's gerbil *Gerbillus dasyurus* (Wagner, 1842) in the Negev Highlands, Israel. *35 Annual Meeting of Zoological Society of Israel, Haifa*.
35. Krasnov, B. R., Shenbrot, G. I. & Rogovin, K. V. 1999. Habitat specialist versus habitat generalist dilemma. Examples with desert rodents. *3rd European Congress of Mammalogy, Yavaskyla, Finland*.
36. Krasnov, B. R. & Shenbrot, G. I. 1999. Patterns of diversity of two vertebrate taxa across the Great Palaeartic Desert. International workshop "Biodiversity in Drylands: towards a unified framework and identification of research needs", Beer-Sheva – Sede-Boqer, Israel.
37. Shenbrot, G. I. & Krasnov, B. R. 1999. Geographic variation of the role of gerbils and jirds (Gerbillinae) in rodent communities across the Great Palaeartic Desert Belt. *8th International Small African Mammals Symposium, Paris, France*.
38. Krasnov, B. R., Shenbrot, G. I. & Khokhlova, I. S. 1999. Ability to forage in sandy substrate as a determinant of habitat selection in three gerbil species. *8th International Small African Mammals Symposium, Paris, France*.
39. Krasnov, B. R. & Khokhlova, I. S. 2000. The effect of host density on ectoparasite distribution: an example with a gerbil parasitized by fleas. *International symposium, "Ecological parasitology at the turn of the Millenium", Saint-Petersburg, Russia*.
40. Krasnov, B. R. & Shenbrot, G. I. 2000. Does the degree of habitat specialization determine local abundance? Examples with desert rodent communities. *7th International conference "Rodents & Spatium", Ceske Budejovice, Czech Republic*.
41. Shenbrot, G. I. & Krasnov, B. R. 2000. Rodent density dynamics and annual rainfall fluctuations in deserts: an example with Negev Desert Highlands. *7th International conference "Rodents & Spatium", Ceske Budejovice, Czech Republic*.
42. Krasnov, B. R. & Khokhlova, I. S. 2000. Pattern of flea distribution on a desert rodent: the effect of host density. *13th Meeting of European Society of Vector Ecology, Antalya, Turkey*.
44. Krasnov, B. R., Khokhlova, I. S. & Burdelova, N. V. 2001. Habitat dependence of a parasite-host relationship: Flea (Siphonaptera.e) assemblages on a desert rodent. *Annual Meeting of Israeli Society of Parasitology, Beer-Sheva*.
45. Shenbrot, G. I. & Krasnov, B. R. 2001. Global pattern of species richness of desert rodent communities: Biogeographic settings. *8th International Theriological Congress, Sun-City, South Africa*.
46. Krasnov, B. R. & Shenbrot, G. I. 2001. Biogeographic patterns of species richness of desert rodent communities. *8th International Theriological Congress, Sun-City, South Africa*.
47. Krasnov, B. R. & Khokhlova, I. S. 2001. Host-habitat relations as determinant of spatial distribution of flea assemblages on rodents in the Negev Desert. *8th International Theriological Congress, Sun-City, South Africa*.
48. Krasnov, B. R., Khokhlova, I. S. & Burdelova, N. V. 2001. Habitat dependence of flea-rodent relationships. *3rd International Congress on Vector Ecology, Barcelona, Spain*.
49. Khokhlova, I. S., Krasnov, B. R., Degen, A. A. & Kam, M. 2002. Energy cost of flea parasitism in a desert rodent. *8th International conference "Rodents & Spatium", Louvain-la-Neuve, Belgium*.
50. Krasnov, B. R. & Khokhlova, I. S. 2002. Host-parasite-habitat relations: rodents parasitized by fleas in the central Negev desert. *8th International conference "Rodents & Spatium", Louvain-la-Neuve, Belgium*.
51. Krasnov, B. R. 2002. Rodents, ectoparasites, environment: problems and questions. *8th International conference "Rodents & Spatium", Louvain-la-Neuve, Belgium*.

52. Shenbrot, G. I., Krasnov, B. R. & Burdelov, S. A. 2002. Habitat-dependent differences in burrow architecture and burrow use in desert rodents. *8th International conference "Rodents & Spatium", Louvain-la-Neuve, Belgium.*
53. Krasnov, B. R., Khokhlova, I. S. & Burdelova, N. V. 2002. Density-dependent host selection in ectoparasites: An application of isodar theory to fleas parasitizing rodents. *9th European Ecological Congress EuroEco 02, Lund, Sweden.*
54. Shenbrot, G. I. & Krasnov, B. R. 2002. Estimation of interaction coefficients from the field census data. *9th European Ecological Congress EuroEco 02, Lund, Sweden.*
55. Tsairi, H., Abramsky, Z., Krasnov, B. R. & Khokhlova, I. S. 2002. Does ectoparasite burden affect body condition, energy demands and survival of its rodent host? *9th European Ecological Congress EuroEco 02, Lund, Sweden.*
56. Krasnov, B. R. & Khokhlova, I. S. 2002. Fleas, rodents, environment: relationships. *12th Congress of the Russian Entomological Society. Saint-Petersburg, Russia.*
57. Krasnov, B. R., Khokhlova, I. S., Oguzoglu, I. & Burdelova, N. V. 2002. Host discrimination by two species of desert fleas. *12th Congress of the Russian Entomological Society. Saint-Petersburg, Russia.*
58. Krasnov, B. R., Khokhlova, I. S. & Shenbrot, G. I. 2003. Density-dependent host selection in ectoparasites and fitness consequences. Symposium "Host-parasite relationships", *Zoological Society of Israel, Achva Colledge.*
59. Khokhlova, I. S., Krasnov, B. R., Kuznetsov, V., Sartor, C. E., Zan, M., Salek, L., Ghazaryan, L., Kam, M. & Degen, A. A. 2003. Diet quality and time budget in desert rodents. *4th European Congress of Mammalogy, Brno, Czech Republic.*
60. Krasnov, B. R. & Shenbrot, G. I. 2003. Coevolutionary events in the history of associations between jerboas (Rodentia: Dipodidae) and their flea parasites. *4th European Congress of Mammalogy, Brno, Czech Republic.*
61. Liederman, M., Krasnov, B. R. & Lubin, Y. 2003. Is foraging of *Acomys cahirinus* affected by flea parasitism? *4th European Congress of Mammalogy, Brno, Czech Republic.*
62. Sarfati, M., Krasnov, B. R., Khokhlova, I. S. & Degen, A. A. 2003. Reciprocal physiological influences in the flea-rodent relationships: Effects of host specificity. *4th European Congress of Mammalogy, Brno, Czech Republic.*
63. Shenbrot, G. I., Krasnov, B. R. & Burdelov, S. 2003. Habitat selection in desert rodents: theoretical predictions and field observations. *4th European Congress of Mammalogy, Brno, Czech Republic.*
64. Tchabovsky, A. V., Popov, S. V. & Krasnov, B. R. 2003. Concealed sociality in a solitary fat sand rat, *Psammomys obesus*: The ghost of the social past? *4th European Congress of Mammalogy, Brno, Czech Republic.*
65. Khokhlova, I. S., Krasnov, B. R., Kuznetsov, V., Sartor, C. E., Zan, M., Salek, L., Ghazaryan, L., Kam, M. & Degen, A. A. 2003. Time budget in two desert gerbils: Is diet important?" *11th International Symposium Animal Science Days, Porec, Croatia.*
66. Krasnov, B. R., Shenbrot, G. I., Khokhlova, I. S. & Degen, A. A. 2004. Host determinants of species richness of ectoparasite assemblages: An example with rodents and fleas. *9th International conference on rodent biology "Rodents & Spatium", Lublin, Poland.*
67. Shenbrot, G. I., Krasnov, B. R. & Burdelov, S. A. 2004. Density-independent habitat distribution as a result of density-dependent habitat selection in *Gerbillus dasyurus*. *9th International conference on rodent biology "Rodents & Spatium", Lublin, Poland.*
68. Khokhlova, I. S., Krasnov, B. R., Spinu, M. & Degen, A. A. 2004. Resistance and cross-resistance against fleas in a desert rodent. *9th International conference on rodent biology "Rodents & Spatium", Lublin, Poland.*

69. Mirzoyan, N., Krasnov, B. R., Khokhlova, I. S. & Degen, A. A. 2004. Are rodent species equally suitable hosts for generalist ectoparasites? *9th International conference on rodent biology "Rodents & Spatium", Lublin, Poland.*
70. Shenbrot, G. I., Krasnov, B. R. & Burdelov, S. A. 2005. Density-dependent habitat selection in desert rodents. *9th International Mammological Congress, Sapporo, Japan.*
71. Khokhlova, I.S., Spinu, M., Krasnov, B.R. & Degen, A.A. 2005. Immune responses to fleas in rodents in dependence of natural prevalence and diversity of flea assemblages. *9th International Mammological Congress, Sapporo, Japan.*
72. Shenbrot, G. I., Krasnov, B. R. & Lu, L. 2005. Biogeography of host-parasite relations: a case study of rodent hosts and *Amphipsylla* fleas. *9th International Mammological Congress, Sapporo, Japan.*
73. Hawlena, H., Krasnov, B. R. & Abramsky, Z. 2005. Age-biased parasitism and density-dependent distribution of fleas (Siphonaptera) on a desert rodent. *9th International Mammological Congress, Sapporo, Japan.*
74. Krasnov, B. R., Khokhlova, I. S., Shenbrot, G. I., Degen, A.A., Mouillot, D. & Poulin, R. 2005. Mammalian host characteristics determining species richness of their ectoparasite assemblages. *9th International Mammological Congress, Sapporo, Japan.*
75. Krasnov, B. R., Poulin, R., Mouillot, D., Khokhlova, I. S. & Shenbrot, G. I. 2005. Ecological characteristics of a flea species determining its suitability as a plague vector. *International Conference "Plague: bacteriology, evolution, ecology, epidemiology and its impact on human history", Oslo, Norway.*
76. Shenbrot, G. I. & Krasnov, B. R. 2006. Modeling species distributions: What we can and what we cannot predict. *10th International conference on rodent biology "Rodents & Spatium", Parma, Italy.*
77. Krasnov, B. R., Shenbrot, G. I., Mouillot, D., Khokhlova, I. S. and Poulin, R. 2006. Vector ecology and disease transmission: an example with fleas, small mammals and plague. *11th International Parasitological Congress, Glasgow, UK.*
78. Hawlena, H., Abramsky, Z. & Krasnov, B. R. 2006. The role of various host and parasite traits on their reciprocal responses. *11th International Parasitological Congress, Glasgow, UK.*
79. Khokhlova, I. S., Spinu, M., Krasnov, B. R., Ghasaryan, L. & Degen, A. A. 2006. Immune response of a host and fitness of an ectoparasite: the asymmetry. *11th International Parasitological Congress, Glasgow, UK.*
80. Shenbrot, G. I. & Krasnov, B. R. 2006. Relationships between host and parasite geographic ranges. *11th International Parasitological Congress, Glasgow, UK.*
81. Hawlena, H., Abramsky, Z. & Krasnov, B. R. 2006. Age- and density-dependent effects of fleas on rodents: possible mechanisms of coexistence. *EcoHealth ONE: Forging Collaboration Between Ecology and Health, Madison, USA.*
82. Krasnov, B. R., Khokhlova, I. S., Shenbrot, G. I., Stanko, M. & Morand, S. 2006. The effect of rodent host abundance on ectoparasite abundance and distribution: Does theory work everywhere? *10th International Conference on Rodent Biology "Rodents & Spatium", Parma, Italy.*
83. Hawlena, H., Abramsky, Z. & Krasnov, B. R. 2006. Role of ecological factors in shaping host-parasite associations. *Annual Meeting of the Zoological Society of Israel, Raanana.*
84. Krasnov, B. R., Khokhlova, I. S., Shenbrot, G. I., Degen, A.A., Mouillot, D. & Poulin, R. 2007. Mammalian host characteristics and species richness of flea assemblages. *International Conference "Mammalian Fauna of Russia and Adjacent Countries", Moscow, Russia.*

85. Shenbrot, G. I., Krasnov, B. R. & Burdelov, S. A. 2007. Long-term study of rodent ecology in the Negev Desert. *Annual Meeting of the American Society of Mammalogists, Albuquerque, USA.*
86. Shenbrot, G. I., Krasnov, B. R. & Lu, L.-A. 2007. Host diversity, environment and history as determinants of ectoparasite species richness: a case study of *Amphipsylla* fleas. *V European Congress of Mammalogy, Siena, Italy.*
87. Krasnov, B. R., Khokhlova, I. S., Shenbrot, G. I., Degen, A.A., & Poulin, R. 2007. Are there general rules governing parasite diversity in small mammalian hosts? *V European Congress of Mammalogy, Siena, Italy.*
88. Krasnov, B.R. & Khokhlova, I.S. 2007. Host search by fleas: host-related versus environmental-related factors. *IV Russian Conference on Animal Behaviour, Moscow, Russia.*
89. Krasnov, B.R., Khokhlova, I.S. & Fielden, J. 2008. Respiratory physiology as a tool for understanding ecological patterns in fleas. *XXII International Congress of Entomology, Durban, South Africa.*
90. Krasnov, B.R., Khokhlova, I.S., Shenbrot, G.I., Korallo-Vinarskaya, N.P., Vinarski, M. & Poulin, R. 2008. Rodents and their parasites: searching for general patterns. *11th International Conference on Rodent Biology "Rodens & Spatium", Myshkin, Russia.*
91. Kotler, B.P., Raveh, A., Krasnov, B.R. & Abramsky, Z. 2008. Foragers with ectoparasites are more scared: The vigilance and patch use response of gerbils to foxes and fleas. *The 93rd Ecological Society of America Annual Meeting, Milwaukee, USA.*
92. Laudisoit, A., Makundi, R., Neerinckx, S., Krasnov, B.R. & Leirs, H. 2008. Plague in Tanzania : from a host and vector perspective. *Symposium on the Evolution of Plague and its Effects on Wildlife," Fort Collins, Colorado, USA.*
93. Korine, C., Krasnov, B.R., Khokhlova, I.S. & Pinshow, B. 2010. Feeding ability of the flea *Xenopsylla ramesis* on three hosts that differ in life history. *2nd International Berlin Bat Meeting: Bat Biology and Infectious Diseases, Berlin, Germany.*
94. Philosof, S., Krasnov, B.R. & Korine, C. 2010. The possible effect of water pollution on infestation of desert-dwelling bats with ectoparasites. *2nd International Berlin Bat Meeting: Bat Biology and Infectious Diseases, Berlin, Germany.*
95. Plokarz, A., Petney, T.N., Yosef, R., Krasnov, B.R. & Taraschewski, H. 2010. The role of migratory birds in the transcontinental dispersion of ticks and tick-borne pathogens. *24th Annual Conference of the German Society of Parasitology, Dusseldorf, Germany.*
96. Krasnov, B.R. & Khokhlova, I.S. 2010. Do general rules explain the ecology of arthropod ectoparasites of small mammals? *Annual Conference of the Australian Mammal Society, Canberra, Australia.*
97. Krasnov, B. R. 2010. Searching for general patterns in abundance, prevalence and diversity of ectoparasites. *Joint French-Israeli Workshop "The world we live in" - Biodiversity in the 21st Century. Ramat-A-Nadiv, Israel.*
98. Krasnov, B.R., Khokhlova, I.S., Shenbrot, G.I & Poulin, R. 2011. Species –stability and geographic variation in ecological properties of parasites. *The 5th International Conference of the International Biogeography Society, Heraklion, Crete, Greece.*
99. Krasnov, B.R., Khokhlova, I.S. & Matthee, S. 2011. Gender-biased parasitism: patterns, causes, consequences. *11th African Small Mammal Symposium, Kwaluseni, Swaziland.*
100. Pilosof, S., Korine, C., Moore, M. & Krasnov, B.R. 2011. Anthropogenic disturbance and host-parasite associations: water pollution, acari abundance and bat immune response. *VI European Congress of Mammalogy, Paris, France.*

101. Bordes, F., Ponlet, N., Gouy de Bellocq, J., Krasnov, B. R. & Morand, S. 2011. Sexual dimorphism in resistance and tolerance in the European populations of the wood mouse *Apodemus sylvaticus*. *VI European Congress of Mammalogy, Paris, France*.
102. Arbiv, A., Khokhlova, I.S., Ovadia, O. & Krasnov, B.R. 2011. Fine-tuning of parasite adaptations to a host species: a flea and two rodents. *The 39th convention of the Israeli Society of Ecology and Environmental Sciences, Megiddo, Israel*.
103. Pilosof, S., Krasnov, B.R., Moore, M. and Korine, K. 2011. Possible effects of water contamination on the immune response of an Israeli bat (*Pipistrellus kuhlii*). *Annual Meeting of the Zoological Society of Israel*,
104. Harrus, S., Morick, D., Khokhlova, I., Gottlieb, Y. & Krasnov, B. 2011. *Bartonella* in rodents and their ectoparasites in Israel. *Annual Meeting of Israel Society for Microbiology and Parasitology*.
105. Harrus, S., Morick, D., Khokhlova, I. & Krasnov, B. 2012. Transmission of *Bartonella* species OE 1-1 to *Meriones crassus* jirds by *Xenopsylla ramesis* fleas. *7th International Conference on Bartonella as Animal and Human Pathogens, Raleigh, North Carolina, USA*.
106. Harrus, S., Morick, D., Khokhlova, I. & Krasnov, B. 2012. Does infection with *Bartonella* OE 1-1 affect fitness parameters of *Xenopsylla ramesis* fleas?. *24th International Congress of Entomology, Daegu, South Korea*..
107. Harrus, S., Morick, D., Khokhlova, I. & Krasnov, B. 2012. Diversity of *Bartonella* spp. in flea vectors - insights from studies in Israel. *24th International Congress of Entomology, Daegu, South Korea*.
108. Krasnov, B.R. & Khokhlova, I.S. 2012. Host discrimination by haematophagous ectoparasites: Proximate and ultimate mechanisms. *VI European Conference on Behavioural Biology, Essen, Germany, 19-22 July 2012*.
109. Krasnov, B.R. & Khokhlova, I.S. 2013. Patterns, mechanisms, consequences of gender-biased parasitism in small mammals. *Annual Meeting of the Society of Integrative and Comparative Biology, San Francisco, USA*.
110. Downs, C.J., St. Juliana, J.R., Wielebnowski, N., Krasnov, B.R. & Khokhlova, I.S. 2013. Are ectoparasites always harmful to their hosts? *Annual Meeting of the Society of Integrative and Comparative Biology, San Francisco, USA*.
112. Krasnov, B. R. & Khokhlova, I.S. 2013. Performance and ability to discriminate between hosts in ectoparasites of small mammals. *11th International Mammalogical Congress, Belfast, UK, 11-16 August 2013*.
113. Pilosof, S., Fortuna, M. & Krasnov, B.R. 2013. Temporal dynamics of direct-reciprocal and indirect effects in a host-parasite network. *11th International Mammalogical Congress, Belfast, UK, 11-16 August 2013*. 114.
114. Dlugosz, E., Khokhlova, I.S. & Krasnov, B.R. 2013. Alien hosts and native parasites: a case study with gerbil fleas and heteromyid rodents *11th International Mammalogical Congress, Belfast, UK, 11-16 August 2013*.
115. Krasnov, B. R. & Khokhlova, I.S. 2013. Between-host phylogenetic distance and performance of haematophagous ectoparasites. *IV Congress of the European Society of Evolutionary Biology, Lisboa, Portugal, 19-24 August 2013*.

(d) Seminar presentations at universities and institutions

1979. Institute of Disinfection, Ministry of Health of USSR.
1982. Department of Zoology, Faculty of Biology, Moscow State University.
1985. Department of Zoology, Faculty of Biology, Moscow State University.
1987. Severtzov Institute of Ecology and Evolution, Russia Academy of Science.
1990. Severtzov Institute of Ecology and Evolution, Russia Academy of Science.

1995. Department of Ecology, Systematics and Evolution, Hebrew University of Jerusalem.
1997. Department of Life Science, Ben-Gurion University of the Negev.
2000. Department of Life Science, Ben-Gurion University of the Negev.
2000. Severtzov Institute of Ecology and Evolution, Russia Academy of Science.
2001. Mitrani Department of Desert Ecology, Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev.
2002. Department of Parasitology, Zoological Institute, Russian Academy of Science, St. Petersburg, Russia.
2002. Mitrani Department of Desert Ecology, Jacob Blaustein Institute for Desert Research, Ben-Gurion University of the Negev.
2003. Severtzov Institute of Ecology and Evolution, Russia Academy of Science, Moscow, Russia.
2004. Department of Ecology, Systematics and Evolution, Hebrew University of Jerusalem.
2004. Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev.
2006. Mitrani Department of Desert Ecology, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev.
2007. Faculty of Agriculture, Hebrew University of Jerusalem.
2009. Department of Zoology, Tel-Aviv University.
2011. Department of Biology, University of Antwerpen, Belgium.
2011. School of Science and Mathematics, Truman State University, Kirksville, USA.

Research Grants

1. 1992-1995. Ministry of Science and Technology of Israel. Krasnov, B.(PI) Monitoring the biota of the Ramon Park Nature Reserve to assess the impact of climate change and human activity. \$100,000 for 3 years
2. 1997-1999. Ministry of Science and Technology of Israel. Mazor, E. (PI), Ward, D. (PI), Avni, Y. (PI), Krasnov, B. (PI), Plakht, Y. (PI), Shenbrot, G. (PI). Urban ecology of a settlement bordering a nature reserve: Mizpe-Ramon as an example. \$120,000 for 3 years.
3. 1998-2000. Ministry of Science and Technology of Israel. Krasnov, B. (PI), Kadmon, R. (PI), Shenbrot, G. (PI), Heller, Y. (CI), Yom-Tov, Y. (CI). NIBIS: an intelligent biodiversity information system for the Negev. \$75,000 for 3 years
4. 1998-2000. Israel Science Foundation. Bouskila, A. (PI), Krasnov, B. (CI), Shenbrot, G. (CI). Ecological processes and mechanisms that determine the distribution of two parapatric lizards. \$120,000 for 3 years
5. 1998. Ben-Gurion University of the Negev. Krasnov, B. (PI), Shenbrot, G. (PI), Khokhlova, I. (CI), Degen, A. (CI). Does food availability determine seasonal body mass changes in Negev desert rodents? \$5,000 for one year
6. 1998-2001. United States-Israel Binational Science Foundation (BSF). Krasnov, B. (PI), Fielden, L. (PI), Shenbrot, G. (PI), Khokhlova, I. (PI) The role of environmental factors in the mediation of host-ectoparasite relationships. \$ 140,000 for 3 years.
7. 1998-2001. Ministry of Science of Israel. Krasnov, B. (PI), Chochniak, I. (PI), Shenbrot, G. (CI), P.Sinai (CI). Isolated populations of small desert rodent (*Gerbillus gerbillus* as a model): specificity and conservation concerns. \$80,000 for 3 years
8. 1998. Ben-Gurion University of the Negev (seed money grant). Krasnov, B. (PI), Shenbrot, G. (PI). Can interaction coefficients be determined from census data? Testing two estimation methods with Negev desert rodents. \$5,000 for one year.

9. 2000-2003. Ministry of Science, Sport and Culture of Israel. Krasnov, B. (PI), Mumcuoglu, K. (PI), Khokhlova, I. (PI), Shenbrot, G. (CI). Factors affecting survival and the rate of development of two flea species in the Central Negev Desert. \$60,000 for 3 years.
10. 2001-2002. Ben-Gurion University of the Negev (seed money grant). Shenbrot, G. (PI), Krasnov, B. (PI). Field testing of the theoretically predicted mechanisms of habitat selection using rodents in the Makhtesh Ramon (with G. Shenbrot). \$10,000 for one year.
11. 2001-2004. Israel Science Foundation. Krasnov, B. (PI), Khokhlova, I. (PI), Shebrot, G. (CI). Mechanisms determining parapatric distribution of two flea species parasitizing the same host. \$150,000 for 3 years.
12. 2001-2004. Ministry of Science of Israel. Krasnov, B. (PI), Abramsky, A. (PI), Khokhlova, I. (PI), Mumcuoglu, K. (CI), Hawlena-Tsairi, H. (PI). The dynamics of host-ectoparasite interactions in the Negev region, and its epidemic implications to the local human population. \$90,000 for 3 years.
13. 2002-2005. Israel Science Foundation. Shenbrot, G. (PI), Krasnov, B. (CI). Field testing of the theoretically predicted mechanisms of habitat selection using rodents in the Makhtesh Ramon. \$120,000 for 3 years.
14. 2001-2003. Ministry of Science of Israel. Pirchei Mada. Krasnov, B. (PI), Avriel-Avni, N. (PI). \$5,000-7,000 per year.
15. 2003-2004. Ben-Gurion University of the Negev (seed money grant). Physiological and behavioural aspects of host specificity in fleas. Krasnov, B. (PI), Khokhlova, I. (PI), Degen, A. (CI). \$5000 for 1 year.
16. 2004-2008. Israel Science Foundation. Density-dependent host (=habitat) selection in ectoparasites: Causal mechanisms and fitness consequences. Krasnov, B. (PI), Khokhlova, I. (PI), Degen, A. (CI), Shenbrot, G. (CI). \$200,000 for 4 years.
17. 2005-2007. Israel Ministry of Science and Technology. The dynamics and regulation mechanisms of ectoparasites in the Negev region, and its epidemic implications to the local human population. Krasnov, B. (PI), Abramsky, Z. (PI). \$110,000 for 3 years.
18. 2006-2009. Israel Ministry of Science, Culture and Sport. New invasive rodent species in Makhtesh Ramon: Can it be affected by local parasites? Krasnov, B. (PI), Khokhlova, I. (PI), Degen, A. (PI). \$60,000 for 3 years.
19. 2007-2009. Israel Ministry of Environment. Distribution of rodents and their arthropod ectoparasites in the Negev desert: Assessing the potential risk of emergent diseases. Shenbrot, G. (PI), Krasnov, B.R. (PI). \$100,000 for 3 years.
20. 2008-2009. Diversity of bats and their ectoparasites in the Negev Desert. Israel Ministry of Environment. Korine, C. (PI), Krasnov, B.R. (PI). \$20,000 for 1 year.
21. 2008-2012. Which host is tastier? Mechanisms of parasite aggregation among host individuals. Israel Science Foundation. Krasnov, B.R. (PI), Khokhlova, I.S. (PI), Degen, A.A. (CI). \$200,000 for 4 years.
22. 2008-2012. Effect of ectoparasites on energy expenditure and reproductive success in free-living rodents. Israel Science Foundation. Degen, A.A. (PI), Khokhlova, I.S. (CI), Krasnov, B.R. (CI), Kam, M. (CI). \$200,000 for 4 years.
23. 2009-2013. Between-host phylogenetic distance and mechanisms of host selection in haematophagous parasites: Physiological and behavioral aspects. Binational Israel-US Science Foundation. Krasnov, B.R. (PI), Khokhlova, I.S. (PI), Fielden, L.J. (PI). \$120,000 for 4 years.
24. 2012-2016. Mechanisms underlying aggregative community structure in ectoparasites: fitness consequences of concomitant infestations for a parasite and a host. Israel

Science Foundation. Krasnov, B.R. (PI), Khokhlova, I.S. (PI), Degen, A.A. (CI).
\$200,000 for 4 years.
25. 2013-2017. COST Action. European Network for Neglected Vectors and Vector-Borne
Infections (EURNEGVEC).

Additional Information

Languages: Russian, English, Hebrew.