

Martin KUNDRÁT – Seznam publikací pro jmenovací řízení

1. VEDECKÉ MONOGRAFIE [1]

Kundrát, M. (senior and corresponding author), Nudds, J., Kear, B., Lü, J., Ahlberg, P. 2019. The first specimen of *Archaeopteryx* from the Upper Jurassic Mörnsheim Formation of Germany. *Historical Biology* 1: 3-63, Taylor & Francis, UK. **Print ISSN** 0891-2963, **Online ISSN** 1029-2381

2. KAPITOLY V MONOGRAFIÍCH [3]

Rich, T. H., Trusler, P., Kool, L., Pickering, D., Alistair, E., Siu, K., Maksimenko, A., **Kundrát, M.**, Gostling, N. J., Morton, S., Vickers-Rich, P. 2019. A third, remarkably small, tribosphenic mammal from the Mesozoic of Australia. In *Biological Consequences of Plate Tectonics: New Perspectives on Post-Gondwanan land break-up* (ed. G. Prasad), *Springer*. **accepted**

Kundrát, M. 2015. Aj operený tyran môže byť pôvabný. In *Vôňa vedy* (ed. K. Majtejičková), 16-21, *Vydavateľstvo Matice slovenskej*: Martin. ISBN 978-80-8115-206-1

Kundrát, M. 2012. Phenotypic and geographic diversity of the European lesser panda *Parailurus*. In *Red Panda – Biology and Conservation of the First Panda* (ed. A. R. Glatston), 61-88, *Elsevier, Academic Press*: Boston, Heidelberg, London, New York, Oxford, Paris, San Diego, San Francisco, Singapore, Sydney, Tokyo. **Print ISBN**: 9781437778137, **eBook ISBN**: 9781437778144

3. PŮVODNÍ VĚDECKÉ PRÁCE [38]

3A. Publikace v časopisech indexovaných v databázi ISI Science Citation Index Expanded

Uveden je prostý impaktní faktor k příslušnému roku, tj. vydání práce či nejbližšímu roku, pro který je k dispozici. Tento rok je uveden ve spodním indexu (např. IF₂₀₁₈).

Schwarz, D., **Kundrát, M. (corresponding author)**, Tischlinger, H., Dyke, G., Carney, R. M. 2019. Ultraviolet light illustrates the presence of a notarium-like structure in the Berlin *Archaeopteryx* skeleton. *Scientific Reports*. **accepted**. IF₂₀₁₈: **4.112**

Wang, J., Hao X., **Kundrát, M. (corresponding author)**, Liu, Z., Uesugi, K., Jurašková, Z., Guo, B., Hoshino, M., Li, YQ., Monfroy, Q., Zhou, B., Fabirciová, G., Kang, A., Wang, M., Si, YH., Gao, J., Xu, G., Li, Z. 2019. Bone tissue histology of the songlingornithid bird *Yanornis*: Evidence for a diphyletic origin of modern avian growth strategies within Ornithuromorpha. *Historical Biology*. **accepted**. IF₂₀₁₇: **1.249**

- Kundrát, M. (corresponding author)**, Xing, X., Hančová, M., Gajdoš, A., Guo, Y., Chen, D. 2018. Evolutionary disparity in the endoneurocranial configuration between small and gigantic tyrannosauroids. *Historical Biology*, DOI: 10.1080/08912963.2018.1518442. **IF₂₀₁₇: 1.249**
- Varricchio, D., **Kundrát, M. (corresponding author)**, Hogan, J. 2018. Intermediate incubation period in a theropod dinosaur consistent with primitive brooding. *Scientific Reports* 8: 12454. **IF₂₀₁₈: 4.112**
- Kvasilova, A., Gregorovičová, M., **Kundrát, M.**, Sedmera, D. 2018. HNK-1 in morphological study of the development of the cardiac conduction system in selected group vertebrates. *The Anatomical Record* 302: 69-82. **IF₂₀₁₇: 1.431**
- Zanolli, C., Lei, P., Dumoncel, J., Kullmer, O., **Kundrát, M.**, Wu, L., Macchiarelli, R., Mancini, L., Schenk, F., Tuniz, C. 2018. Inner tooth morphology of *Homo erectus* from Zhoukoudian. New evidence from an old collection housed at Uppsala University, Sweden. *Journal of Human Evolution* 116: 1-13. **IF₂₀₁₇: 3.992**
- Lü, J., Li, G., **Kundrát, M.**, Lee Y-N., Sun, Z., Kobayashi, Y., Shen, C., Teng, F., Liu, H. 2017. High diversity of the Ganzhou Oviraptorid Fauna increased by a new “cassowary-like” crested species. *Scientific Reports* 7: 6393. **IF₂₀₁₆: 4.259**
- Shen, C., Lü, J., Gao, C-L., Hoshino, M., Uesugi, K., **Kundrát, M. (corresponding author)** 2017. Forearm bone histology of a small-size theropod *Daliansaurus liaoningensis* (Paraves: Troodontidae) from the Yixian Formation in Liaoning, China. *Historical Biology* 31(2): 253-261. **IF₂₀₁₆: 2.059**
- Pu, H., Currie, P. J., Lü, J., Zelenitsky, D. K., Carpenter, K., Li, X., Koppelhus, E. B., Jia, S., Xiao, L., Chuang, H., Li, T., **Kundrát, M.**, Shen, C. 2017. Perinate and eggs of a giant caenagnathid dinosaur from the Late Cretaceous of central China. *Nature Communications* 8: 14952. **IF₂₀₁₆: 11.329**
- Shen, C., Lü, J., Liu, S., **Kundrát, M.**, Brusatte, S. L., Gao, H. 2017. A new troodontid dinosaur from the Lower Cretaceous Yixian Formation of Liaoning Province, China. *Acta Geologica Sinica* 91(3): 763-780. **IF₂₀₁₆: 1.996**
- Shen, C., Zhao, B., Gao, C-L., Lü, J., **Kundrát, M.** 2017. A new troodontid dinosaur, *Liaoningraptor curriei* gen. et sp. nov., from the Early Cretaceous Yixian Formation of Western Liaoning, China. *Acta Geoscientica Sinica* 38(3): 1-13. **IF₂₀₁₆: 1.596**

- Kear, B., Larrson, D., Lindgren, J., **Kundrát, M.** 2017. Exceptionally prolonged tooth formation in elasmosaurid plesiosauians. *Plos ONE* 12(2): e0172759. **IF₂₀₁₆: 3.540**
- Lü, J., **Kundrát, M.**, Shen, C. 2016. A reappraisal of the morphology, histology, and systematic position of the pterosaur *Gladocephaloideus* from the Early Cretaceous of Liaoning Province, China. *Plos ONE* 11(6): e0154888. **IF₂₀₁₅: 3.540**
- Poropat, S. F., Mannion, P. D., Upchurch, P., Hocknull, S. A., Kear, B. P., **Kundrát, M.**, Tischler, T. R., Sloan, T., Sinapius, G. H. K., Elliot, J. A., Elliott, D. A. 2016. New Australian sauropod dinosaurs elucidate Cretaceous biogeography. *Scientific Reports* 6: 34467. **IF₂₀₁₅: 5.228**
- Abbassi, N., **Kundrát, M. (corresponding author)**, Atabadi, M. M., Ahlberg, P. E. 2016. Avian ichnia and other vertebrate fossils from the Neogene Red Beds of Tarom valley in northwestern Iran. *Historical Biology* 28(8): 1075-1089. **IF₂₀₁₅: 1.489**
- Lü, J., Pu, H., Kobayashi, Y., Xu, L., Chang, H., Shang, Y., Liu, D., Lee, Y-N., **Kundrát, M.**, Shen, C. 2015. A new oviraptorid dinosaur (Dinosauria: Oviraptorosauria) from the Late Cretaceous of southern China and its paleobiogeographical implications. *Scientific Reports* 5: 11490. **IF₂₀₁₄: 5.078**
- Fernandez, V., Buffetaut, E., Suteethorn, V., Rage, J-C., Tafforeau, P., **Kundrát, M. (corresponding author)** 2015. Evidence of egg diversity in squamate evolution from Cretaceous anguimorph embryos. *Plos ONE* 10(7): e0128610. **IF₂₀₁₄: 3.534**
- Kundrát, M. (corresponding author)**, Wu, L., Ebbestad, J. O., Ahlberg, P., Haowen, T. 2015. A new tooth of Peking Man from Uppsala University. *Acta Anthropologica Sinica* 34(1): 131-136.
- Lü, J., Pu, H., Xei, X., Xu, L., Chang, H., **Kundrát, M.** 2015. A new rhamphorhynchid pterosaur (Pterosauria) from Jurassic deposits of Liaoning Province, China. *Zootaxa* 3911(1): 119-129. **IF₂₀₁₄: 1.060**
- Kundrát, M. (corresponding author)**, Soták, J., Ahlberg, P. E. 2015. A stem-group upupiform bird from the Early Oligocene of the Central Western Carpathians. *Acta Zoologica* 96: 45-59. **IF₂₀₁₄: 1.130**
- Novas, F. E., **Kundrát, M.**, Agnolín, F. L., Ezcurra, Ahlberg, P. E., M., Isasi, M., Arraigada, A., Chafrat, P. 2012. A new large pterosaur from the Late Cretaceous of Patagonia. *Journal of Vertebrate Paleontology* 32(6):1447-1452. **IF₂₀₁₁: 2.241**

Agnolín, F. L., Powell, J. E., Novas, F. E., **Kundrát, M.** 2012. New alvarezsaurid (Dinosauria, Theropoda) from Latest Cretaceous of North-western Patagonia with associated eggs. *Cretaceous Research* 35: 33-56. **IF₂₀₁₁: 1.706**

Kundrát, M. 2009. Heterochronic shift between early organogenesis and migration of cephalic neural crest cells in the two divergent evolutionary archosaur phenotypes: crocodile and ostrich. *Evolution & Development* 11(5): 535-546. **IF₂₀₀₈: 3.627**

Kundrát, M., Janáček, J., Martin, S. 2009. Development of transient head cavities during early organogenesis of the Nile Crocodile (*Crocodylus niloticus*). *Journal of Morphology* 270(9): 1069-1083. **IF₂₀₀₈: 1.702**

Kundrát, M., Janáček, J., Russell, A. P. 2009. Developmental patterns of the crocodylian and avian columella auris: Reappraisal of interpretation of the derivation of the dorsal hyoid arch in archosaurian tetrapods. *Zoological Journal of the Linnean Society* 156(2): 384-410. **IF₂₀₀₈: 2.098**

Kundrát, M. (corresponding author), Joss, J., Olsson, L. 2009. Prosencephalic neural folds give rise to neural crest cells in the Australian lungfish, *Neoceratodus forsteri*. *Journal of Experimental Zoology (Molecular Developmental Evolution)* 312B(2): 82 -94. **IF₂₀₀₈: 3.364**

Kundrát, M. 2009. Primary chondrification foci in the wing basipodium of *Struthio camelus* with comments on interpretation of autopodial elements in Crocodylia and Aves. *Journal of Experimental Zoology (Molecular Developmental Evolution)* 312B(1): 30-41. **IF₂₀₀₈: 3.364**

Kundrát, M. (corresponding author), Joss, J., Smith, M. M. 2008. Fate mapping in embryos of *Neoceratodus forsteri* reveals cranial neural crest participation in tooth development as conserved from lungfish to tetrapods. *Evolution & Development* 10(5): 531-536. **IF₂₀₀₇: 3.733**

Kundrát, M. 2008. HNK-1 immunoreactivity during early morphogenesis of the head region in a non-model vertebrate, crocodile embryo. *Naturwissenschaften* 95(11): 1063-1072. **IF₂₀₀₇: 1.955**



Kundrát, M. (corresponding author), Cruickshank, A. R. I., Manning, T. W., Nudds, J. 2008. Embryos of therizinosauroid theropods from the Upper Cretaceous of China: Diagnosis and analysis of ossification patterns. *Acta Zoologica* 89(3): 231-251. **IF₂₀₀₇: 0.937**

Kundrát, M. (corresponding author), Janáček, J. 2007. Cranial pneumatization and auditory perceptions of the oviraptorid dinosaur *Conchoraptor gracilis* (Theropoda, Maniraptora) from the Late Cretaceous of Mongolia. *Naturwissenschaften* 94(9): 769-778. **IF: 2.021**

Kundrát, M. 2007. Avian-like attributes of a virtual brain model of the oviraptorid theropod *Conchoraptor gracilis*. *Naturwissenschaften* 94(6): 499-504. **IF₂₀₀₆: 2.021**

Galis, F., **Kundrát, M.**, Metz, J. A. J. 2005. Hox genes, digit identities and the theropod/bird transition. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 304B(3): 198-205. **IF₂₀₀₄: 1.175**

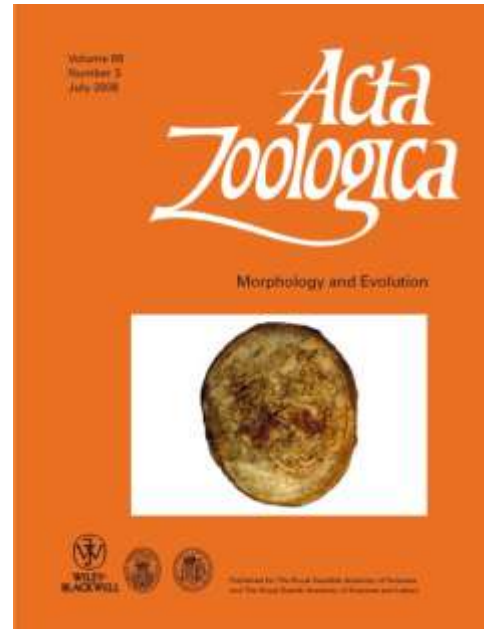
Kundrát, M. 2004. When did theropods become feathered? – Evidence for pre-*Archaeopteryx* feather. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 302B(4): 355-364. **IF₂₀₀₃: 1.854**

Galis, F., **Kundrát, M.**, Sinerov, B. 2003. An old controversy solved: Bird embryos have five fingers. *Trends in Ecology & Evolution* 18(1): 7-9. **IF₂₀₀₂: 11.929**

Kundrát, M. (corresponding author), Seichert, V., Russell, A.P., Smetana, K, Jr. 2002. Pentadactyl pattern of the avian wing autopodium and pyramid reduction hypothesis. *Journal of Experimental Zoology (Molecular and Developmental Evolution)* 294B(2): 152-159. **IF₂₀₀₁: 1.488**

Morlo, M., **Kundrát, M.** 2001. The first carnivoran fauna from the Ruscinian (Early Pliocene, MN 15) of Germany. *Paläontologische Zeitschrift* 75(2): 163-187. **IF₂₀₀₀: 0.912**

Majláth, I., Šmajda, B., **Kundrát, M.** 1997. Biometric analysis of morphological traits in Sand Lizard (*Lacerta agilis*) from East Slovakia. *Folia Zoologica* 46(3): 253-262. **IF₁₉₉₆: 0.360**



3B. Publikace v časopisech a sbornících s recenzním řízením [8].

Abbasi, N., Ataabadi, M. M., **Kundrát, M.**, Saberi, A. 2014. Ichnology of bird track and feeding traces of Neogene red beds of Gilankesheh area, Tarom, North Zanjan province, NW Iran. In: *Proceedings of the 8th Symposium of Iranian Paleontological Society*, ed. N. Abbasi, 90-97. University of Zanjan, Zanjan.

Kundrát, M. (corresponding author), Tafforeau, P. 2013. X-ray synchrotron microtomography: Applications in dinosaur paleobiology. *Proceedings of the 2013 Hwaseong International Dinosaurs Expedition Symposium*, 182-187, Hwaseong, South Korea.

Kundrát, M. 2009. The life before hatching: Saga of a theropod dinosaur. *Proceedings of the 2009 Goseong International Dinosaur Symposium*, 58-61, South Korea.

Kundrát, M. 2004. The crocodylian model in current developmental and evolutionary studies. *Crocodyles, Proceedings of the 17th Working Meeting of the Crocodile Specialist Group of IUCN – The World Conservation Union, Darwin, Northern Territory of Australia*, 367-381, Gland, Switzerland and Cambridge, United Kingdom.

Kundrát, M. 2000. CT detection of embryonic remains within a faveololithid dinosaur egg from Mongolia. *Extended Abstracts*, 85-91, *The 1st International Symposium on Dinosaur Eggs and Babies*, Isona i Conca Dellá, Spain.

Majláth, I., Šmajda, B., **Kundrát, M.**, Peňko, B. 1998. The Green Lizard as a host of developmental stages of Blacklegged Tick (*Ixodes ricinus*). *Natura Carpatica* 39: 211-216.

Vostál, Z., **Kundrát, M.**, Pirčová, E., Kubiš, P. 1996. Notes to occurrence of *Urnatella gracilis* Leidy, 1851 (Kamptozoa) in Laborec. *Natura Carpatica* 37: 219-220.

Kundrát, M. 1996. The first record of the extinct lesser panda *Parailurus* from Eastern Slovakia. *Natura Carpatica* 37: 211-213.

4. UČEBNICE A UČEBNÍ TEXTY [1 + ?2]

International Student Book – učebnice v anglickém jazyce

Dyke, G. and Kundrát, M. 2019. *How to easily write an effective scientific paper: Tips, Tricks, and Templates*. The Charlesworth Group, Huddersfield, UK. **Online ISSN x**

Bilinguální učební texty – ve slovenském a anglickém jazyce

Kundrát, M. And Zanolli, C. 2019 – ! v procesu posuzování. *Úvod do paleoantropologie / Introduction to Paleoanthropology*. Univerzita Pavla Jozefa Šafárika: Košice.

Kundrát, M. and Dyke, G. 2019. – ! v procesu posuzování. *Úvod do paleontologie stavovcov / Introduction to Vertebrate Paleontology*. Univerzita Pavla Jozefa Šafárika: Košice.

5. RŮZNÉ ZÁVÁŽNÉ PRÁCE [1]

Invited Book Review

Kundrát, M. 2016. *Great Transformations in Vertebrate Evolution* edited by Kenneth P. Dial, Neil Shubin and Elizabeth L. Brainerd. *Systematic Biology* 65(2): 349-352. **IF₂₀₁₅: 14.387**

Invited Interview in *Nature*

2014: Callaway E. Rival species recast significance of 'first bird'. *Nature* 516(4): 18-19.

Invited Interview in *Science*

2015: Balter, M. How some of the world's biggest dinosaurs got that way. *Science* 350(6062): 492-493.

2004: Pennissi, E. Newly hatched dinosaur babies hit the ground running. *Science* 305(5689): 1396.

6. PŘEDNÁŠKY TYPU "INVITED SPEAKER" [36]

2018 Apr 9 – Jilin University, Dinosaur Research Center, Changchun, **China**

Title: *Synchrotron microtomography peers inside dinosaur eggs*.

2017 Nov 19 – Tomsk State University, Institute of Geology and Geography, Tomsk, **Russia**

Title: *The new species of Archaeopteryx: a synchrotron study*.

2017 Nov 18 – Tomsk State University, Institute of Geology and Geography, Tomsk, **Russia**

Title: *New era of the non-invasive high-resolution imaging in dinosaur paleobiology*.

2017 Oct 5 – **Keynote Speaker:** 6th Dinosaur Eggs & Babies Symposium, Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa, Lisboa, **Portugal**

Title: *Paleoembryology – an interdisciplinary science*.

2017 Jul 29 – **Keynote Speaker:** International Symposium on Dinosaur Eggs Research and Exhibition, Hangzhou, Zhejiang, **China**

Title: *Synchrotron light illuminates the life inside dinosaur eggs*.

2017 May 25 – Chinese Academy of Geological Sciences, Institute of Geology, Beijing, **China**

Title: *New era of the non-invasive high-resolution imaging in dinosaur paleobiology*.

2017 Mar 7 – **Keynote Speaker:** 11. Symposium of the Iranian Paleontological Society, Tabas, **Iran**

Title: *New insights into the evolution of the paravian dinosaur Archaeopteryx from the Upper Jurassic of Germany.*

2017 Mar 4 – University of Zanjan, Department of Geology, Zanjan, **Iran**

Title: *Slovak-Iranian Paleontological Expeditions Project – CIB PaleoBioImaging Laboratory.*

2016 Jul 12 – Jiangxi Professional College of Applied Technology, Guanzhou, **China**

Title: *The rise of flying dinosaurs.*

2015 Mar 24 – Canterbury Museum, Christchurch, **New Zealand**

Title: *The eighth specimen of Archaeopteryx?*

2014 Nov 26 – Chinese Academy of Geological Sciences, Institute of Geology, Beijing, **China**

Title: *High-resolution imaging study of Archaeopteryx.*

2014 Nov 21 – **Keynote Speaker:** Zoológia 2014 Congress, Prešov, **Slovakia**

Title: *The origin of the avialan dinosaurs: the unknown Archaeopteryx.*

2013 Dec 5 – Korea-Mongolia International Dinosaur Symposium, **South Korea**

Title: *X-ray synchrotron microtomography: applications in dinosaur paleobiology.*

2013 Sep 23 – Tehran University, Tehran, **Iran**

Title: *Archosaur paleoembryology: challenging new frontiers.*

2012 Nov 22 – **Keynote Speaker:** Zoológia 2012 Congress, Zvolen, **Slovakia**

Title: *Archosaur paleoembryology: challenging new frontiers.*

2012 Nov 22 – Zoológia 2012 Congress, Zvolen, **Slovakia**

Title: *Patagonian dinosaurs.*

2011 May 27 – Abteilung Molekulare Embryologie, Universität Freiburg, **Germany**

Title: *Archosaur paleoembryology: challenging new frontiers.*

2009 Dec 14 – Evolutionary Biology Center, Uppsala University, Uppsala, **Sweden**

Title: *Cephalic neural crest cells and their migratory patterns in non-model vertebrates.*

2009 Oct 13 – Paleontological Initiative Meeting, European Synchrotron Radiation Facility, Grenoble, **France**

Title: *In ovo imaging of dinosaur embryonic patterns and the reptile-to-bird transition.*

2009 Jun 15 – European Synchrotron Radiation Facility, Grenoble, **France**

Title: *Reconstruction of the dinosaur life before hatching: an integrative approach.*

2009 Jun 4 – Museum National d'Histoire Naturelle, Paris, **France**

Title: *Neural crest cells and paradigms in the light of new experimental models of chordates and vertebrates.*

- 2009 May 26** – Department of Biological Sciences, University of Calgary, Calgary, **Canada**
Title: *Cephalic neural crest cells and their migratory patterns in non-model vertebrates.*
- 2009 Apr 11** – Goseong Dinosaur World Expo 2009 – Goseong International Dinosaur Symposium, **South Korea**
Title: *The life before hatching: saga of a theropod dinosaur.*
- 2008 Sep 24** – Royal Tyrrell Museum of Palaeontology, Drumheller, Alberta, **Canada**
Title: *Developmental innovations in the evolution of theropods and birds.*
- 2007 Sep 28** – Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, **China**
Title: *Toward the evolutionary phenotype of a bird.*
- 2005 Dec 8** – Australian Museum, Sydney, New South Wales, **Australia**
Title: *Theropod-bird evolutionary transition: the causa of three digits.*
- 2005 Nov 3** – Department of Biological Science, Macquarie University, Sydney, New South Wales, **Australia**
Title: *Identity of digits in the avian hand.*
- 2005 Sep 2** – Museum National d’Histoire Naturelle, Paris, **France**
Title: *Theropod-bird evolutionary transition: the causa of three digits.*
- 2005 Jul 7** – Dinosaur Provincial Park, Royal Tyrrell Museum of Palaeontology, Drumheller, Alberta, **Canada**
Title: *Frozen in time: dinosaur embryonic life.*
- 2005 Jun 15** – Riverbanks Zoo, Columbia, South Carolina, **USA**
Title: *Insights into fossil eggs: reconstruction of dinosaur embryos.*
- 2005 Jun 13** – Department of Biological Sciences, University of South Carolina, Columbia, South Carolina, **USA**
Title: *The origin of birds: challenge for an integrative research approach.*
- 2004 Apr 14** – Department of Orthopaedic Surgery, University of California at San Francisco, San Francisco, California, **USA**
Title: *Migration of cephalic neural crest cells in living archosaurs.*
- 2004 Mar 23** – Department of Biological Sciences, Wesleyan University, Middletown, Connecticut, **USA**
Title: *Dynamics and heterochrony of the migratory pathways of the cephalic neural crest cells in crocodylian archosaur *Crocodylus niloticus* and avian theropod *Struthio camelus**

2003 Jul 4 – Laboratory for Evolutionary Morphology, Center for Developmental Biology, RIKEN, Kobe, **Japan**

Title: *Looking for ancestry of birds: developmental data versus paleontological record.*

2001 Sep 21 – Department of Biological Sciences, University of Calgary, Calgary, **Canada**

Title: *Developmental vestiges of the avian first metacarpal.*

2001 Aug 9 – Field Station, Royal Tyrrell Museum of Palaeontology, Alberta, **Canada**

Title: *Developmental remains of the avian first metacarpus.*

7. PŘEHLEDY A SOUBORNÉ REFERÁTY

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8. PATENTY NÁRODNÍ A ZAHRANIČNÍ, OBJEVY

Objevy nových taxónů obratlovců:

PTEROSAURIA

Orientognathus chaoyangensis Lü, Pu, Xu, Wei, Chang, **Kundrát, 2015**

Aerotitan sudamericanus Novas, **Kundrát**, Agnolin, Ezcurra, Ahlberg, Isasi, Arriagada, Chafraz, **2012**

DINOSAURIA

Savannasaurus elliottorum Poropat, Mannion, Upchurch, Hocknull, Kear, **Kundrát**, Tischler, Sloan, Sinapius, Elliott, Elliott, **2016**

Bonapartenykus ultimus Agnolin, Powell, Novas, **Kundrát, 2012**

Huanansaurus ganzhouensis Lü, Pu, Kobayashi, Xu, Chang, Shang, Liu, Lee, **Kundrát**, Shen, **2015**

Beibeilong sinensis Pu, Zelenitsky, Lü, Currie, Carpenter, Xu, Koppelhus, Jia, Xiao, Chuang, Li, **Kundrát**, Shen, **2017**

Corythosaurus jacobsi Lü, Li, **Kundrát**, Lee, Sun, Kobayashi, Shen Teng, Liu, **2017**

Daliansaurus liaoningensis Shen, Lü, Liu, **Kundrát**, Brusatte, Gao, **2017**

Liaoningvenator curriei Shen, Zhao, Gao, Lü, **Kundrát, 2017**

AVIALAE

Archaeopteryx albersdoerferi Kundrát, Nudds, Kear, Lü, Ahlberg, 2019

MAMMALIA

Kryoparvus gerriti Rich, Trusler, Kool, Pickering, Evans, Siu, Maksimenko, Kundrát, Gostling, Morton Vicker-Rich, 2019

Parailurus slovacus Kundrát, 2019 (discovery announced in Kundrát 2012; designation in submission)

9. DISERTAČNÍ, RIGORÓZNÍ PRÁCE, HABILITAČNÍ PRÁCE, DOKTORSKÁ PRÁCE

Dizertační práce: Kundrát, M. 2005. *Development and Evolution of Cephalic and Autopodial Morphological Patterns in Crocodylian, Dinosaurian and Avian Archosaurs.*

Přírodovědecká fakulta, Univerzita Karlova: Praha, Česká republika, p. 1-266.

Rigorózní práce: Kundrát, M. 2001. *The Parailurus population from the Ruscinium (MN 15) of Germany and its contribution to taxonomy of the European Pliocene lesser panda.*

Přírodovědecká fakulta, Univerzita Karlova: Praha, Česká republika, p. 1-37.

Habilitační práce: Kundrát, M. 2013. *Vývoj a evoluce neptačích a ptačích dinosaurů.*

Přírodovědecká fakulta, Univerzita Palackého: Olomouc, Česká republika. pp. 1-57.

Doktorská práce – v procesu posuzování: Kundrát, M. *Slovak Integrative Paleontology: Evolutionary Advances in the Theropod-Bird Transition.* Center for Interdisciplinary Biosciences, Technology and Innovation Park, Pavol Jozef Šafárik University: Košice, Slovak Republic, p. 1-1012

10. ABSTRAKTA ZE SJEZDŮ A SYMPOZIÍ [61]

Kundrát, M., Lü, J., Xu, L., Pu, H., Shen, C., Chang, H. 2017. First assemblage of eggshells and skeletal remains of the alvarezsaurid dinosaur from Laurasia (Upper Cretaceous, China). The 77th Annual Meeting, Society of Vertebrate Paleontology, Calgary, Canada, *Journal of Vertebrate Paleontology, Supplement*, p. 145.

Varricchio, D., **Kundrát, M.,** Hogan, J. 2017. A time to brood: incubation period in the theropod dinosaur *Troodon formosus*. The 77th Annual Meeting, Society of Vertebrate Paleontology, Calgary, Canada, *Journal of Vertebrate Paleontology, Supplement*, p. 207.

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11. ÚČAST NA ŘEŠENÍ GRANTŮ [33]

2019-2022 – [Evolutionary origin and innovations of skeleton-dental characters in Archosauria 2](#)

Project ID: 2017-5043

Position: Principal Investigator

Funding Source: Elettra Synchrotron, Italy

2018-2021 – [Osteohistology of forelimbs and hindlimbs in the paravian dinosaurs](#)

Project ID: 2018B-1543

Position: Principal Investigator

Funding Source: Synchrotron Spring-8 JASRI, Japan

2017-2020 – [In ovo high-resolution imaging of developmental geometry: bird-like dinosaurs versus modern birds](#)

Project ID: 2017B-1755

Position: Principal Investigator

Funding Source: Synchrotron Spring-8, Japan

2017-2020 – Non-destructive high-resolution imaging of *in ovo* fossilized tissues of dinosaur embryos

Project ID: 2017A-1714

Position: Principal Investigator

Funding Source: Synchrotron Spring-8, Japan

2017-2019 – Study and taxonomy investigations on the Lower Cretaceous vertebrate bearing horizons in East Sivand section, Fars province

Project ID: 1842-16/10/1396

Position: International Co-Investigator

Funding Source: Center for International Scientific Studies & Collaboration (CISSC), Ministry of Science, Research and Technology, I.R. Iran

2017-2021 – Evolution of flightlessness and gigantism in the island birds: model of the subrecent ornithofauna of New Zealand and Madagascar

Project ID: 1/0853/17

Position: Principal Investigator

Funding Source: VEGA, The Ministry of Education, Science, Research and Sport of the Slovak Republic, Slovakia

2016-2019 – The evolution of flightless gigantic birds: quantitative reconstruction of 3D growth modules of moa (New Zealand) and the elephant bird (Madagascar) based on correlations with their closest recent relatives, tinamous and kiwis

Project ID: 2016A-1038

Position: Principal Investigator

Funding Source: Synchrotron Spring-8, Japan

2016-2019 – Evolutionary origin and innovations of skeleton-dental characters in Archosauria

Project ID: 20155058

Position: Principal Investigator

Funding Source: Elettra Synchrotron, Italy

2015-2018 – Quantitative analysis of bone microstructure in bird-like dinosaurs and early birds: implications to thermoregulation and paleogenomics

Project ID: 20150130

Position: Principal Investigator

Funding Source: Paul Scherrer Institut, Swiss Light Source, Switzerland

2015-2018 – Exploring unique aspects of Australian Dinosaurs: (a) post-cranial structure of *Leaellynasaura amicagraphica*, and (b) locomotion of Triassic dinosauromorphs

Project ID: M8910

Position: Co-Investigator, Leading Experimentator

Funding Source: The Australian Synchrotron, Australia

2012-2016 – [Developmental modularity of cerebral tissues in the evolution of avian locomotion using high-resolution imaging and geometric morphometry](#)

Project ID: P302/12/1207

Position: Author of the project, Co-Investigator

Funding Source: Czech Science Foundation, Czech Republic

2011-2013 – [The skeletal microstructure of oldest birds: ontogeny and novel diagnosis of basal avian phenotypes](#)

Project ID: EC-849, EC-943

Position: Principal Investigator

Funding Source: European Synchrotron Radiation Facility, France

2010-2011 – [Microstructural design of embryonic teeth in dinosaurs](#)

Project ID: EC4-689

Position: Principal Investigator

Funding Source: European Synchrotron Radiation Facility, France

2009-2010 – [Correlation of neurocranial morphology and postcranial parameters to assess upon specific locomotory adaptations in birds](#)

Project ID: DE-TAF-5552

Position: Principal Investigator

Funding Source: Synthesys – Synthesis of Systematic Resources, The European Union-funded Integrated Infrastructure Initiative

2008-2009 – [Permian-Triassic evolution of the local climate over the Central Pangaea based on bone microstructure of continental tetrapods](#)

Project ID: FR-TAF-5138

Position: Principal Investigator

Funding Source: Synthesys Program, The European Union-funded Integrated Infrastructure Initiative Granting Agency

2008-2009 – [Exploration of the Jurassic Vertebrate Fauna in the Xianjing Province of China: Sino-American Junggar Basin Expedition](#)

Project ID: PaSIRP/2008/Kundrat

Position: Principal Investigator

Funding Source: The Paleontological Society Sepkoski International Research Program, USA

2007-2008 – [Evolutionary trends in the abbreviation of the tail skeleton in non-avian and avian theropods](#)

Project ID: FMNH/2007/Kundrat

Position: Principal Investigator

Funding Source: Scholarship Committee, Field Museum of Natural History, Chicago, USA

2007-2008 – Evolutionary patterns of the tail abbreviation and its bearing on phenotypic modulation of the pelvic region in terrestrial and volant theropods

Project ID: JF/2007/Kundrat

Position: Principal Investigator

Funding Source: The Jurassic Foundation, USA

2005-2006 – Fate-mapping of neural crest migration in the head of the Australian lungfish, *Neoceratodus forsteri*

Position: Co-Investigator

Funding Source: Macquarie University Research Development grant, Sydney, Australia

2005 – Oral facial development and regeneration

Project ID: COST B-23

Position: Co-Investigator

Funding Source: COST, European Cooperation in the Field of Scientific and Technical Research, European Union

2004 – Developmental programme of the posthyoid cranial paraxial mesoderm: Experimental evaluation of hypothetic segmentation of post-hypophysis/pre-occipital vertebrate neurocranium and NC-cells involvement in condensed braincase structures

Project ID: WT/2004/Kundrat

Position: Principal Investigator

Funding Source: Wellcome Trust/Cancer Research UK Gurdon Institute of Cancer and Developmental Biology

2004 – Tissue regionalization during early development: Reasons for reevaluation of the segmentation theory of vertebrate head region?

Project ID: 122/2003/B BIO/PřF

Position: Principal Investigator

Funding Source: Grant Agency of Charles University, Prague, Czech Republic

2003-2004 – Evolutionary constraints in developmental patterning of the head region in vertebrates

Project ID: 13/2003-Czech Republic

Position: Principal Investigator

Funding Source: NATO Science Fellowships Programme, Prague, Czech Republic

2003-2004 – Morphogenetic differences in the post-neurula patterning of the head region in vertebrates and their 3D-digital reconstruction

Project ID: KJB6111301

Position: Principal Investigator

Funding Source: Granting Agency of Academy of Sciences of the Czech Republic, Prague, Czech Republic

2002-2003 – Distribution of avian characters in neurocrania of maniraptoriform theropods

Project ID: AMNH/2002/Kundrat

Position: Principal Investigator

Funding Source: Office of Grants and Fellowships, American Museum of Natural History, New York, USA

2002-2003 – Reinterpretation of the braincase structure in lambeosaurine hadrosaurs

Project ID: PaSIRP/2002/Kundrat

Position: Principal Investigator

Funding Source: The Paleontological Society, International Research Program, New Orleans, USA

2002-2003 – Neurocranial ossification patterns in recent crocodylians: Implications to developmental plasticity of archosaur braincase

Project ID: FMNH/2002/Kundrat

Position: Principal Investigator

Funding Source: Scholarship Committee, Field Museum of Natural History, Chicago, USA

2002-2003 – Neurocranial development in lambeosaurine hadrosaurs

Project ID: RTMP/2002/Kundrat

Position: Principal Investigator

Funding Source: The Cooperating Society of Royal Tyrrell Museum of Palaeontology, Drumheller, Canada

2001-2002 – Neurocranial anatomy and reconstruction of the central nervous system in juvenile specimens of hadrosaurid dinosaurs

Project ID: JF/2001/Kundrat

Position: Principal Investigator

Funding Source: The Jurassic Foundation, Drumheller, Canada

2000-2002 – Embryonic development of the skull in some recent and extinct archosaurs (crocodiles, birds and dinosaurs)

Project ID: 136/2000/B BIO/PřF

Position: Principal Investigator

Funding Source: Grant Agency of Charles University, Prague, Czech Republic

2000-2002 – Embryonic skeletal morphogenesis and braincase anatomy of non-avian dinosaur: Testing the hypothesis of an intermediate dinosaur morphotype position between crocodylian and avian skull patterns

Project ID: JF/2000/Kundrat

Position: Principal Investigator

Funding Source: The Jurassic Foundation, Drumheller, Canada

1999-2000 – Taxonomic affinity of the dinosaur parafamily Faveoolithidae: CT analysis of a faveoolithid oospecimen containing embryonic remains

Project ID: PaSIRP/1999/Kundrat

Position: Principal Investigator

Funding Source: The Paleontological Society, International Research Program, New Orleans, USA

1998-2000 – *Parailurus versus Ailurus: Craniodental comparative analysis and phylogenetic determination of the apomorphy/plesiomorphy polarity of lesser panda basicranial characters*

Position: Principal Investigator

Project ID: PaSIRP/1998/Kundrat

Funding Source: The Paleontological Society, International Research Program, New Orleans, USA

Project ID: AMNH/1998/Kundrat

Funding Source: Office of Grants and Fellowships, American Museum of Natural History, New York, USA

Project ID: FMNH/1998/Kundrat

Funding Source: Office of Grants and Fellowships, Field Museum of Natural History, Chicago, USA

12. OSTATNÍ PUBLIKACE [50]

Kundrát, M. 2019. Fantóm rodu archaeopteryxov (venované pamiatke Prof. Zdeňka V. Špinara). *Vesmír*. (v tlači - J. Boháček).

Kundrát, M. 2019. Gigantizmus tvaruje mozog tyranosaurov. *Vesmír*. (prijaté - J. Boháček).

Kundrát, M. 2019. Slovenský *Archaeopteryx*. *Quark* 6: . (prijaté).

Kundrát, M. 2019. Prehistorické Pompeje. *Quark* 4: . (prijaté).

Kundrát, M. 2018. Čas liahnutia dinosaurov. *Quark* 10: 28-29.

Kundrát, M. 2017. Výprava do pravekého Orientu. *Quark* 7:44-46.

Kundrát, M. 2017. Tajomstvo dračieho vajca. *Quark* 5:44-45.

Kundrát, M. 2017. Interdisciplinárny výskum strateného sveta. *Universitas Šafarikiana* 2: 11.

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Melíšeková, T., **Kundrát, M.** 2016. Ako prišli hady o nohy. *Quark* 7: 22-23 .

Kundrát, M. 2016. Pravek vo vysokom rozlíšení (venované Prof. Zdeňkovi V. Špinarovi). *Quark* 5: 27-29.

Kundrát, M. 2016. Nájdený ale prehliadnutý: ako som objavil zub *Homo erectus pekinensis*. *Quark* 1: 28-29.

Kundrát, M. 2015. Na love v čínskom praveku. *Quark* 11: 22-24.

Kundrát, M. 2015. Odkedy žijú na Slovensku vtáky? *Quark* 2: 24-25.

Kundrát, M. 2014. Argentinský úsvit dinosaurov – časť prvá: Talampaya. *Quark* 12: 23-26.

Kundrát, M. 2013. Titani pravekého neba. *Quark* 2: 24-25.

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- Kundrát, M.** 2011. Tajomná Patagónia – 2. časť. *Quark* 10: 20-21.
- Kundrát, M.** 2011. Tajomná Patagónia – 1. časť. *Quark* 9: 20-21.
- Kundrát, M.** 2010. Na úsvite ľudského rodu – 2. časť. *Quark* 8: 26-27.
- Kundrát, M.** 2010. Na úsvite ľudského rodu – 1. časť. *Quark* 7: 26-27.
- Kundrát, M.** 2010. Tajomstvo gondwanských raptorov. *Quark* 6: 26-27.
- Kundrát, M.** 2010. Raptor – viac ako plaz a menej ako vták. *Quark* 5: 26-27.
- Kundrát, M.** 2010. Storočnica jurských gigantov z Tendaguru. *Quark* 2: 21-22.
- Kundrát, M.** 2009. Vyžiadaný komentár k článku Ing. J. Mareša Přežili v Africe ptakoještěři? *Koktejl* 7+8: 18.
- Kundrát, M.** 2009. Evolučné posolstvo Darwina. *Quark* 6 (príloha): 1-8.
- Kundrát, M.** 2009. Mumifikované dinosaury. *Quark* 4: 34-35.
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