

Curriculum Vitae

Bernhard Zipfel

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Date of Birth: 23 March 1964

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Current affiliation and contact details

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Research Interests

Origin and evolution of human bipedalism, Foot and ankle biomechanics, Human and primate evolution, Palaeopathology, Conservation of Natural History Collections, Podiatric Medicine, Hopology

Education

University of the Witwatersrand, Johannesburg
2005 Ph.D. in Science (Palaeoanthropology)

University of Brighton, United Kingdom
1998 B.Sc. (Honours) Podiatric Studies

University of Johannesburg
1991 National Higher Diploma: Post School Education
1989 National Higher Diploma: Podiatry
1988 National Diploma: Podiatry (four year course)

Positions Held

2007-	University Curator of Fossil and Rock Collections, University of the Witwatersrand, Johannesburg.
1995-2006	Head of Department: Department of Podiatry, University of Johannesburg.
1994-1995	Senior Lecturer and Programme Head: Podiatry, Technikon Witwatersrand, Johannesburg (now University of Johannesburg).

1990-1994	Lecturer: Podiatry, Technikon Witwatersrand (now University of Johannesburg).
1989	Part-time Lecturer: Podiatry, Technikon Witwatersrand, (now University of Johannesburg).
1989-2002	Podiatrist: Private practice, West Rand Medical Centre, Krugersdorp (1989: full-time; 1999-2002: part-time).
1983-1984	Combat (Operational) Medical Orderly: South African Medical Services military service, Potchefstroom and Pretoria.

Membership of Professional and Learned Societies

2012-	Society for the Preservation of Natural History Collections (SPNHC)
2009-	East African Association for Palaeoanthropology and Palaeontology (EAAPP)
2007-	Palaeontological Society of Southern Africa (PSSA)
2001-	Royal Society of South Africa (RSSAf)
1995-	Anatomical Society of Southern Africa (ASSA)
1990-	Podiatry Association of South Africa (PASA) –Honourary Lifetime Member
1989-	Registered Podiatrist - Health Professions Council of South Africa (HPCSA)
1989-1999	South African Sports Medicine Association (SASMA)

Honours and Awards

2019-2023	NRF C1 Rated Scientist.
2019-	Fellow of the Podiatry Association of South Africa (FPASA)
2014	Science Team Award – Rising Star Expedition – NRF Science Awards 2014.
2012-2018	NRF C2 Rated Scientist.
2012-2014	President: Palaeontological Society of Southern Africa (PSSA).
2010-2012	Vice President: Palaeontological Society of Southern Africa (PSSA).
2010	Lifetime Honorary Member of the South African Podiatry Association.
2005	Long Service Award: Fifteen years service at the Technikon Witwatersrand (1 January 1990-1 January 2005).
2005	South African Podiatry Association award for the continued support of the association, Cape Town [South African Podiatry Association 5 th Biennial Conference].
2004	Certificate of appreciation in recognition of significant contributions to the membership of the American Podiatric Medical Association and to the profession, Boston, USA [18 th World Congress of Podiatry].
1999	South African Podiatry Association certificate of appreciation for the advancement of podiatry in South Africa, Cape Town [South African Podiatry Association 2 nd Biennial Conference].
1995	Poster competition second prize: 15 th World Congress of Podology, London [<i>Fédération Internationale des Podologues</i>]. <i>The South African approach to partial nail avulsion.</i>
1988	<i>Stabler Student of the Year Award</i> (class of 1988) – Technikon Witwatersrand, Johannesburg.

Publications in Peer-Reviewed Journals [h-index = 16: *Scopus*; 20: *Google scholar*; 16: *Web of Science*; i10- index = 31: *Google scholar*]

- In review: Madupe, P.P., Koenig, C., Patramanis, I., R  ther, P.L., Hlazo, N., Mackie, M., Tawane, M., Krueger, J., Taurozzi, A.J., Troch  , G.B., Kibii, J., Pickering, R., Dickinson, M., Sahle, Y., Kgotleng, D., Musiba, C., Manthi, F., Bell, L., DuPlessis, M., Gilbert, C., **Zipfel, B.**, Kuderna, L.F.K., Lizano, E., Welker, F., Kyriakidou, P., Cox, J., Mollereau, C., Tokarski, C., Blackburn, J., Ramos-Madrigal, J., Marques-Bonet, T., Penkman, K., Zanolli, C, Schroeder, L., Racimo, F., Olsen, J.V., Ackermann, R., Cappellini, E. 2023. Enamel proteins reveal biological sex and genetic variability within southern African *Paranthropus*. *bioRxiv*: 2023-07 (Pre-print). doi: <https://doi.org/10.1101/2023.07.03.547326> (submitted to *Nature* 2023)
- In review: Ngoloyi, N.M., Dumoncel, J., **Zipfel, B.**, Thackeray, F., Adeoye, V., Panta, F.J., S  des, F., Braga, J. Improving archaeological documentation and practices. A new protocol from the Plio-Pleistocene site of Kromdraai (Gauteng, South Africa). *Journal on Computing and Cultural Heritage* (2021 submitted).
- In review: Braga, J., Fourvel, J.-B., Mantombi, N., **Zipfel, B.**, Bruxelles, L. Schneider, J.-L., Zimmer, V., Steininger, C., Patel, A.B., de Beer, F., Hoffman, J., Thackeray, J.F., & Grine, F. *Paranthropus* and *Homo* associated with a pre-2 Ma faunal assemblage at Kromdraai. *Quaternary Science Review* (2020, submitted)
- Accepted: David S. Strait D.S., Ross, C.F., Ward, C.V, **Zipfel, B.**, Kivell, T.L. A statement on behavioral misconduct and authorship. *American Journal of Biological Anthropology* (submitted 2023)
62. Hanon, R., Fourvel, J-B., Sambo, R., Maringa, N., Steininger, C., **Zipfel, B.** & Braga, J. 2024. New fossil Bovidae (Mammalia: Artiodactyla) from Kromdraai Unit P, South Africa and their implication for biochronology and hominin palaeoecology. *Quaternary Science Reviews* **331**: 108621. <https://doi.org/10.1016/j.quascirev.2024.108621>
61. Yelverton, C., **Zipfel, B.**, Williams, S., Peterson, C. 2024. The frequency and presentation of upper thoracic spinous process deviations, their relationship to articular morphology, and the potential influence on static palpation techniques. *Journal of Bodyworks and Movement Therapy* **37**: 1-10. <https://doi.org/10.1016/j.jbmt.2023.09.005>
60. Helm, C.W., Lockley, M.G., Cawthra, H.C., De Vynck, J.C., Dixon, M.G., Rust, R., Stear, W., Van Tonder, M. & **Zipfel, B.** 2023. Possible shod-hominin tracks on South Africa's Cape coast? *Ichnos* **30** (2): 79-97 DOI: 10.1080/10420940.2023.2249585
59. Zimmer, V.A., Oettl  , A., Hoffmann, J., Thackeray, J.F., **Zipfel, B.** & Braga, B. 2023. Revisiting mandibular symphyseal shape in juvenile early hominins and modern humans using a deformation-based approach. *Folia Primatologia* 443(7109) (published online ahead of print 2023). <https://doi.org/10.1163/14219980-bja10014>
58. Ribeiro, S., Reynolds, T., **Zipfel, B.**, Mothogoane, M.S. & Magee, A. 2023. An Online Survey on User Perceptions of Natural Science Collections in South Africa. *Bothalia* **53**(1): a10. <http://dx.doi.org/10.38201/btha.abc.v53.i1.10>

57. Braga, J., Wood, B., Zimmer, V., Moreno, B., Miller, C., Thackeray, F., **Zipfel, B.** & Grine, F. 2023. New hominin fossils from Kromdraai and Drimolen inform early ontogeny of *Paranthropus robustus*. *Science Advances* **9**: eade7165. DOI: 10.1126/sciadv.ade7165
56. Jenkins, G., Purboo-Makan, M. & **Zipfel, B.** 2023. Assessing the need for a standardised paediatric assessment tool for podiatrists in South Africa. *The Foot* **56**: 102018. <https://doi.org/10.1016/j.foot.2023.102018>
55. Cofran, Z., Hurst, S., Beaudet, A. & **Zipfel, B.** 2023. An overlooked *Australopithecus* brain endocast from Makapansgat, South Africa. *Journal of Human Evolution* **178**: 103346 <https://doi.org/10.1016/j.jhevol.2023.103346>
54. **Zipfel, B.**, Montgomery, C., Neumann, F.A., Scott, L., Choiniere, J., & Hancox, P.J. 2023. Overlooked or unimportant? An overview of the coprolite collections at the University of the Witwatersrand, Johannesburg, South Africa. *Curator: the Museums Journal* **65**: 149–164. <https://doi.org/10.1111/cura.12531>
53. Balzeau, A., Albessard-Ball, L., Kubicka, A.M., Filippo, A., Beaudet, A., Santos, E., Bienvenu, Arsuaga, T.J-L., Berger, L., Bermúdez de Castro, J.M., Brunet, M., Carlson, K.J., Daura, J., Gorgoulis, V.J., Grine, F.E., Harvati, K., Hawks, J., Herries, A., Hublin, J-J., Hui, J., Ives, J., Joordens, J.A., Kaifu, Y., Kouloukoussa, M., Léger, B., Lordkipanidze, D., Margvelashvili, A., Martin, J., Martín-Torres, M., May, H., Mounier, A., du Plessis, A., Rae, T., Röding, C., Sanz, M., Semal, P., Stratford, D., Stringer, C., Tawane, M., Temming, H., Tsoukala, E., Zilhão, J., **Zipfel, B.**, & Buck, L.T. 2022. Frontal sinuses and human evolution. *Science Advances* **8**. eabp.9767
52. Braga, J., Thackeray, F., & **Zipfel, B.** 2022. The Kromdraai early hominin-bearing site. A review of recent findings. *L' Anthropologie* **126**: 103054 <https://doi.org/10.1016/j.anthro.2022.103054>
51. Braga, J., Chinamatira, G., **Zipfel, B.**, & Zimmer, V. 2022. New fossils from Kromdraai and Drimolen, South Africa, and their distinctiveness among *Paranthropus robustus*. *Scientific Reports* **12**, 13956. <https://doi.org/10.1038/s41598-022-18223-7>
50. Zanolli, C., Davies, T.W., Joannes-Boyau, R., Beaudet, A., Bruxelles, L., de Beer, F., Dumoncel, J., Hoffman, J., Hublin, J-J., Jakata, K., Kgasi, L., Kullmer, O., Macchiarelli, R., Pan, L., Schrenk, F., Santos, F., Stratford, D., Tawane, M., Thackeray, F., Xing, S., **Zipfel, B.** & Skinner, M. 2022. Novel dental data challenge the ubiquitous nature of early *Homo* in the Cradle of Humankind. *Proceedings of the National Academy of Science* **119** e2111212119. <https://doi.org/10.1073/pnas.2111212119>
49. Cofran, Z., VanSickle, C., Valenzuela, R., García-Martínez, D., Walker, C.S., Hawks, J., Berger, L.R., **Zipfel, B.**, & Williams, S.A. 2022. The immature *Homo naledi* ilium from the Lesedi Chamber, Rising Star Cave, South Africa. *American Journal of Biological Anthropology* **179**: 3-17 DOI: 10.1002/ajpa.24522
48. Harper, C.M., **Zipfel, B.**, De Silva, J.M., Mc Nutt, E.J., Thackeray, F. & Braga, J. 2022. A new early hominin calcaneus from Kromdraai (South Africa). *Journal of Anatomy* **241**: 500-517. DOI: 10.1111/joa.13660.

47. Beaudet, A., d'Errico, F., Backwell, B., Wadley, L., **Zipfel, B.**, de la Peña, P. & Reyes-Centeno, H. 2022. A reappraisal of the Border Cave 1 cranium (KwaZulu-Natal, South Africa). *Quaternary Science Reviews* **282**: 107451.
46. Urciuoli, A., Kubat, K., Schisanowski, L., Schrenk, F., **Zipfel, B.**, Tawane, M., Bam, L., Alba, D.M. & Kullmer, O. 2022. Cochlear morphology of Indonesian *Homo erectus* from Sangiran. *Journal of Human Evolution* 165: 103163. <https://doi.org/10.1111/joa.13660>
45. Azzarà, B., Cherin, M., Adams, J., Boschian, G., Crotti, M., Denys, C., Fressoia, L., Kimambo, J.S., Kwekason, A., Iurino, D.A., Manzi, G., Masao, F.T., Melaku, S., Menconero, S., Mori, E. & **Zipfel, B.** 2022. The Thorny Issue of African Porcupines: a New Mandible of *Hystrix makapanensis* from Olduvai Gorge (Tanzania) and Rediagnosis of the Species. *Journal of Mammalian Evolution*: <https://doi.org/10.1007/s10914-021-09588-z>.
44. Everett, M.C., Elliott, M.C., Gaynor, D., Hill, A., Syeda, S., Casana, J., **Zipfel, B.**, DeSilva, J.M. & Dominy, N.J. 2021. Mechanical loading of primate fingers on vertical rock surfaces. *South African Journal of Science* 1:117(11/12), Art. #10409. <https://doi.org/10.17159/sajs.2021/10409>.
43. Braga, J., Samir, C., Fradi, A., Feunteun, Y., Jakata, K., Zimmer, V.A., **Zipfel, B.**, Thackeray, Macé, M., J.F., Wood, B.A. & Grine, F. 2021. Cochlear shape distinguishes southern African early hominin taxa with unique auditory ecologies. *Scientific Reports* **11**: 17018.
42. **Zipfel, B.** 2021. The wounded forefoot – an evolutionary perspective. *Wound Healing Southern Africa* **14**: 52-54. https://hdl.handle.net/10520/ejc-mp_whsa_v14_n1_a4
41. Tommy, K.A., **Zipfel, B.**, Kibii, J. & Carlson, K.J. 2021. Trabecular bone properties in the ilium of the Middle Paleolithic/Middle Stone Age Border Cave 3 *Homo sapiens* infant and the onset of independent gait. *Journal of Human Evolution* 155: 102984.
40. Thompson, A.L.T. **Zipfel, B.** & Aldous, C. 2021. Dymorphic metatarsal parabola in diabetes, clinical examination and management: a narrative review. *Journal of Endocrinology, Metabolism and Diabetes South Africa*: DOI: 10.1080/16089677.2021.1897226: 1-6.
39. DeSilva, J.M., McNutt, E., **Zipfel, B.**, Ward, C.V. & Kimbel, W.H. 2020. Associated *Australopithecus afarensis* second and third metatarsals (A.L. 333-133) from Hadar, Ethiopia. *Journal of Human Evolution* **146**: 102848-102848. <https://doi.org/10.1016/j.jhevol.2020.102848>
38. Seymour, R.S., Bosiocic, V., Snelling, E.P., Chikezie, P.C., Hu, H., Nelson, T.J., **Zipfel, B.** & Miller, C.V. 2019. Cerebral blood flow rates in recent great apes are greater than occurred in australopithecine human relatives that had equal or larger brains. *Proceedings of the Royal Society B*. Nov 20; 286(1915): 20192208. <https://doi.org/10.1098/rspb.2019.2208>
37. Yelverton, C., Rama, S. & **Zipfel, B.** 2019. Manual therapy interventions in the treatment of plantar fasciitis: a comparison of three approaches. *Health SA Gesondheid* 24(0), a1244. <https://doi.org/10.4102/hsag.v24i0.1244>
36. Thompson, A., **Zipfel, B.**, Muzigaba, C & Aldous, C. 2019. Flexion location of the first

- metatarsophalangeal joint and the location of forefoot bend in general purpose women's footwear. *Foot & Ankle Surgery* **25**: 340-347. <https://doi.org/10.1016/j.fas.2018.01.001>
35. Lombard, M., Malmström, H., Schlebusch, C., Svensson, E.M., Günther, T., Munters, A.R., Coutinho, A., Edlund, H., **Zipfel, B.** & Jakobsson, M. 2019. Genetic data and radiocarbon dating question Plovers Lake as a Middle Stone Age hominin-bearing site. *Journal of Human Evolution* **131**: 203-209. <https://doi.org/10.1016/j.jhevol.2019.03.014>
 34. Bouchet, F., Ribéron, A., Heaton, J.L., de Beer, F., Jakata, K., Tawane, M., Tenailleau, C., **Zipfel, B.** & Beaudet, A. 2019. The inner craniodental anatomy of the *Papio* specimen U.W. 88-886 from the Early Pleistocene site of Malapa, Gauteng, South Africa. *Palaeontologia Africana* **53**: 192-206. <http://hdl.handle.net/2263/76316>
 33. Sewell, L., Merceron, G., Hopley, P., **Zipfel, B.** & Reynolds, S.C., 2019. Using springbok (*Antidorcas*) dietary proxies to reconstruct inferred palaeovegetational changes over 2 million years in southern Africa. *Journal of Archaeological Science: Reports* **23**: 1014-1028. <https://doi.org/10.1016/j.jasrep.2018.02.009>
 32. DeSilva, J., McNutt, E., Benoit, J. & **Zipfel, B.** 2019. One Small Step: A review of Plio-Pleistocene hominin foot evolution. *Yearbook of Physical Anthropology* **S67**: 63-140. <https://doi.org/10.1002/ajpa.23750>
 31. DeSilva, J.M., Carlson, K.J., Claxton, A.G., Harcourt-Smith, W.E.H., McNutt, E.J., Sylvester, A.D., Walker, C.S., **Zipfel, B.**, Churchill, S.E. & Berger, L.R. 2018. Special issue: *Australopithecus sediba* - The Anatomy of the Lower Limb Skeleton of *Australopithecus sediba* *PaleoAnthropology* **357**: 357-405. doi:10.4207/PA.2018.ART117
 30. McNutt, E.J., **Zipfel, B.** & DeSilva, J.M. 2018. The evolution of the human foot. *Evolutionary Anthropology* **27**: 197-217 doi: 10.1002/evan.21713.
 29. Boyle, E.K., McNutt, E.J., Sasaki, T., Suwa, G., **Zipfel, B.** & DeSilva, J.M.A. 2018. A quantification of calcaneal lateral plantar process position with implications for bipedal locomotion in *Australopithecus*. *Journal of Human Evolution* **123**: 24-34. <https://doi.org/10.1016/j.jhevol.2018.05.008>
 28. Maddocks, M., Nalla, S. & **Zipfel, B.** 2017. The relationship between the distal metatarsal articular angle and intersesamoidal crista: an osteological study. *The Foot* **30**: 5-12. <https://doi.org/10.1016/j.foot.2017.01.006>
 27. Odes, E.J., Parkinson, A.H., Randolph-Quinney, P.S., **Zipfel, B.**, Jakata, K., Bonney, H. & Berger, L.R. 2017. Osteopathology and insect traces in the *Australopithecus africanus* skeleton StW 431. *South African Journal of Science* **113**: Art. #2016- 0143, 7 pages. <http://dx.doi.org/10.17159/sajs.2017>.
 26. Rey, K., Amiot, R., Fourel, F., Rigaudier, T., Abdala, F., Day, M., Fernandez, V., Fluteau, F., France-Lanord, C., Rubidge, B., Smith, R., Viglietti, P, **Zipfel, B.** & Lécuyer, C. 2016. Global climate perturbations during the Permo-Triassic mass extinctions recorded by the continental tetrapods from South Africa. *Gondwana Research* **37**: 384–396. <https://doi.org/10.1016/j.gr.2015.09.008>

25. Odes, E.J., Randolph-Quinney, P.S., Steyn, M., Throckmorton, Z., Smilg, J., **Zipfel, B.**, Augustine, T.N., de Beer, F., Hoffman, J.M., Franklin, R.D. & Berger, L.R. 2016. Earliest hominin cancer: 1.7 million year old osteosarcoma from Swartkrans Cave, South Africa. *South African Journal of Science* **112**: <http://dx.doi.org/10.17159/sajs.2016/20150471>.
24. Zeininger, A., Patel, B.A., **Zipfel, B.** & Carlson, K.J. 2016. Trabecular architecture in the StW 352 fossil hominin calcaneus. *Journal of Human Evolution* **97**: 145-158. <https://doi.org/10.1016/j.jhevol.2016.05.009>
23. Harcourt-Smith, W.E.H., Throckmorton, Z., Condon, K., **Zipfel, B.**, Dean, A., Drapeau, M., Churchill, S.E., Berger, L.R. & DeSilva, J.M. 2015. The foot of *Homo naledi*. *Nature Communications* **6**: 8432 doi: 10.1038/ncomms9432
22. Berger, L.R., Hawks, J., de Ruiter, D.J., Churchill, S.E. Schmid, P., Williams, S.A., DeSilva, J.M., Kivell, T., Skinner, M., Musiba, C.M., Cameron, N., Holliday, T.W., Harcourt Smith, W., Ackermann, R.R., Bastir, M., Barry Bogin, R.R., Bolter, D., Brophy, J., Cofran, Z.D., Congdon, K.A., Deane, A.S., Delezene, L., Dembo, M., Drapeau, M., Elliott, M., Feuerriegel, E.M., Garcia-Martinez, D., Garvin, H.M., Green, D.J., Gurtov, A., Irish, J.D., Kruger, A., Laird, M.F., Marchi, D., Meyer, M. R., Nalla, S., Negash, E.W., Orr, C.M., Radovic, D., Scott, J.E., Schroeder, L., Throckmorton, Z., Tocheri, M.W., VanSickle, C., Walker, C.S., Wei, P. & **Zipfel, B.** 2015. A New Species of the Genus *Homo* from the Dinaledi Chamber, South Africa. *eLife*: e09560. doi: 10.7554/eLife.09560
21. Kuhn, B.F., Carlson, K., Hopley, P., **Zipfel, B.**, & Berger, L.R. 2015. Fossil bird eggs from Taung hominin locality, Taung, Northwest Province, South Africa. *Palaeontologia Electronica* **18.1.11A**: 1-16. <https://doi.org/10.26879/442>
20. Chirchir, H., Kivell, T.L., Ruff, C.B., Hublin, J., Carlson, K., **Zipfel, B.** & Richmond, B.G. 2015. Recent origin of low trabecular bone density in modern humans. *Proceedings of the National Academy of Sciences* **112**: 366-371. doi:10.1073/pnas.1411696112.
19. DeSilva, J.M., Holt, K.G., Churchill, S., Carlson, K., Walker, C. **Zipfel, B.** & Berger, L. 2013. The lower limb and the mechanics of walking in *Australopithecus sediba*. *Science* **340**: 1232999-1 – 1232999-5. DOI: 10.1126/science.1232999
18. DeSilva, J.M., Proctor, D.J. & **Zipfel, B.** 2012. A complete second metatarsal (StW 89) from Sterkfontein Member 4, South Africa. *Journal of Human Evolution* **63**:487-96.
17. Weiss, E., DeSilva, J. & **Zipfel, B.** 2012. Brief communication: Radiographic study of metatarsal one basal epiphyseal fusion: a note of caution on age determination. *American Journal of Physical Anthropology* **147**: 489-492.
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15. Du Plessis, M., **Zipfel, B.**, Brantingham, J.W., Parkin-Smith, G.F., Birdsey, P., Globe, G. & Cassa, T. 2011. Manual and manipulative therapy compared to night splint for symptomatic hallux abducto valgus: an exploratory randomized clinical trial. *The Foot* **21**: 71-78.

<https://doi.org/10.1016/j.jhevol.2012.05.010>

14. **Zipfel, B.**, Yates, C. & Yates, A.M. 2010. A case of vertebrate fossil forgery from Madagascar. *Palaeontologia africana* **45**: 29-31.
13. Constantino, P.J., Lee, J-W., Chai, H., **Zipfel, B.**, Ziscovici, C., Lawn, B.R. & Lucas, P.W. 2010. Tooth chipping can reveal bite forces and diets of fossil hominins. *Biology Letters* **6**: 826-829. doi: 10.1098/rsbl.2010.0304.
12. DeSilva, J., **Zipfel, B.**, Van Arsdale, A. & Tocheri, M. 2010. The Olduvai Hominid 8 foot: adult or subadult? *Journal of Human Evolution* **58**: 418-423.
11. **Zipfel, B.** & Berger, L.R. 2009. New Cenozoic fossil bearing site abbreviations for the collections of the University of the Witwatersrand. *Palaeontologia africana* **44**: 77-81.
10. **Zipfel, B.** & Berger, L.R. 2009. A partial hominin tibia (Stw 396) from Sterkfontein, South Africa. *Palaeontologia africana* **44**: 71-75.
9. **Zipfel, B.**, De Silva, J.M. & Kidd, R.S. 2009. Earliest complete hominin fifth metatarsal – implications for the evolution of the lateral column of the foot. *American Journal of Physical Anthropology* **140**: 532-545. <https://doi.org/10.1002/ajpa.21103>
8. D’Anastasio, R., **Zipfel, B.**, Moggi-Cecchi, J., Stanyon, R. & Capasso, L. 2009. Possible brucellosis in an early hominin from Sterkfontein, South Africa. *PLoS ONE* **4**: e6439. <https://doi.org/10.1371/journal.pone.0006439>
7. **Zipfel, B.** & Kidd, R.S. 2008. Size and shape in a human foot bone from Klasies River main site, South Africa. *Palaeontologia africana* **43**: 51-56.
6. **Zipfel, B.** & Berger, L.R. 2007. Shod versus unshod: The emergence of forefoot pathology in modern humans? *The Foot* **17**: 205-213.
5. **Zipfel, B.** & Kidd, R. 2006. Hominin first metatarsals (SKX 5017 and SK 1813) from Swartkrans: a morphometric analysis. *HOMO: Journal of Comparative Human Biology* **57**: 117-131.
4. Thompson, A.L.T. & **Zipfel, B.** 2005. The unshod child into womanhood – forefoot morphology in two populations. *The Foot* **15**: 22–28.
3. **Zipfel, B.** & Badenhorst, G. 2001. Attitudes and knowledge about AIDS among podiatry students in South Africa. *Australasian Journal of Podiatric Medicine* **36**: 39-44.
2. **Zipfel, B.** 1997. Forefoot varus and its influence on subtalar joint pronation. *South African Journal of Sports Medicine* **4**: 4-5.
1. **Zipfel, B.** 1993. Iliotibial band friction syndrome - theories of etiology. *Orthopaedics and Podiatry southern Africa* **3**: 28-30.

Publications in Non-Peer Reviewed Journals and Newsletters

5. **Zipfel, B.** & Dembskey, N. 2020. COVID-19 and the South African Podiatrist. *Preprints*: 2020090425. doi: 10.20944/preprints202009.0425.v1
4. **Zipfel, B.** 2008. High heels may improve sex life – a brief commentary. *South African Podiatry Association Newsletter 2*: 6-7.
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2. **Zipfel, B.** 2002. Review of *Neale’s Disorders of the Foot*. 6th Edition. D Lorimer, G French, M O’Donnell & JG Burrow (Editors). *Podiatry Now 2*: 63.
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Books/Chapters in Books/ Thesis

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73. **Zipfel, B.** 2019. Becoming Human – fossil hominins from Southern Africa. *Africa, the Cradle of Human Diversity: joining cultural and biological approaches to uncover African diversity. International Conference, Uppsala University, May 22nd -25th 2019. Conference Abstracts*: 11.
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51. Maddocks, M. & **Zipfel, B.** 2016. Risk Factors for and General Prevention of Work-Related Upper Limb Disorders in Podiatrists. *International Federation of Podiatrists' World Congress of Podiatry*, Montreal: 77.

50. Maddocks, M., **Zipfel, B.** & Nalla S. 2016. A New Method of Assessing the Intersesamoidal Crista and its Relationship to the Distal Metatarsal Articular Angle: An Osteological Study. *International Federation of Podiatrists' World Congress of Podiatry*, Montreal: 60.
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48. Alexander, S.J., Constantino, D. & **Zipfel, B.** 2015. A review of athletes presenting for medical assistance at the 2011 Ironman South Africa Triathlon Event. *Podiatry Association of South Africa 10th Biennial Congress, Protea Hotel Stellenbosch*: 45.
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46. Maddocks, M. & **Zipfel, B.** 2015. Occupational upper limb disorders in podiatrists: risk factors And general prevention. *Podiatry Association of South Africa 10th Biennial Congress, Protea Hotel Stellenbosch*: 31.
45. **Zipfel, B.**, DeSilva, J.M., Holt, K.G., Churchill, S.E., Carlson, K.J., Walker, C.S., Berger, L.R. 2015. The hyperpronating foot of *Australopithecus sediba* – so what is the big deal? *Palaeontologia africana* 49: 114.
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27. **Zipfel, B.**, Rubidge, B.S., Kemp, C. 2010. Fantastic fossil facilities at the Wits Palaeo-centre – upgrading of research and storage areas. *Proceedings of the 16th Conference of the Palaeontological Society of Southern Africa (Howick, 5-8 August)*. Interpak Books, Pietermaritzburg. pp. 126-127.

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21. Nalla, S., **Zipfel, B.** 2009. Preliminary note on the proximal end of a costal arch – a potential key to the hominin treasure trove. *17th Congress of the International Federation of Associations of Anatomists, 16 – 19 August 2009, Cape Town, Programme*: 111
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12. **Zipfel, B.**, Kidd, R.S. 2007. Patterns of variation in the human metatarsus: a morphometric analysis. Anatomical Society of Southern Africa. 37th Annual Conference, 22-25 April, Magaliesberg [Hosted by the University of Johannesburg]. *Conference Proceedings*: 35.
11. **Zipfel, B.**, Kidd, R.S. 2007. Skeletal evidence for pedal first ray divergence in modern humans: Atavistic or acquired? The Australasian Society for Human Biology 20th Annual Conference, Melbourne. Royal Melbourne Institute of Technology (RMIT) University City Campus, 2006. *HOMO: Journal of Comparative Human Biology*. **58**: 265.
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7. **Zipfel, B.** 2004. Patterns of morphological discrimination in the first metatarsal: a multivariate morphometric approach in selected human subgroups. 18th World Congress of Podiatry, Boston, [hosted by the American Podiatric Medical Association] *Programme Syllabus Tuesday August 24, Medical and Surgical Management of the Foot and Ankle*: 1-18.
6. **Zipfel, B.** 2003. Palaeopathology of the metatarsus: evidence from a pre-historic South African sample. *Proceedings of the South African Podiatry Association 4th Biennial Conference*. Johannesburg: 74-88.
5. **Zipfel, B.**, Kidd, R.S., Berger, L.R. 2003. Morphological variation in the metatarsus of modern and ancient Holocene people from South Africa [abstract]. 72nd Annual Meeting of the American Association of Physical Anthropologists. Tempe, Arizona, USA *American Journal of Physical Anthropology*. **Supplement 36**: 231.
4. **Zipfel, B.** 2002. Variation in the human metatarsus – an evaluation of selected samples from the modern and pre-pastoral Holocene. *Palaeontological Society of Southern Africa Biennial Meeting, Bloemfontein*. *Abstracts*: 30-31.
3. **Zipfel, B.** 2001. The first metatarsal ray: a review of variation in extant and extinct species. *Conference Proceedings of the South African Podiatry Association 3rd Biennial Conference, Durban*: 105-113

2. **Zipfel, B.** 1999. The quantitative and qualitative evaluation of the forefoot to rearfoot relationship – real or imagined? *South African Podiatry Association 2nd Biennial Conference, Cape Town. Book of Abstracts*:
1. **Zipfel, B.** 1998. The state of podiatry in South Africa. *Proceedings of the 18th Australian Podiatry Conference Adelaide 2*: 227–231.

Invited Conference Presentations

6. **Zipfel, B.** 2013. Feet, fossils and the future of human bipedalism. *Ludi Blum Memorial Lecture*, Podiatry Association of South Africa 9th Biennial Congress, Premier Hotel, OR Tambo, Johannesburg, 1 September 2013.
5. **Zipfel, B.** 2007. A review of the anthropological origins of human running. South African Sports Medicine Association Biennial Conference, Pretoria, 2007.
4. **Zipfel, B.** 2006. The foot – past and present. Mini Podiatry Conference – a Gauteng Department of Health initiative, Johannesburg .
3. **Zipfel, B.** 2006. The foot and podiatry – where did we come from? Mini Podiatry Conference – a Gauteng Department of Health initiative, Pretoria.
2. **Zipfel, B.** 1996. Illiotibial band Friction Syndrome: theories of aetiology. South African Sports Medicine Association Biennial Conference, Durban, 1996.
1. **Zipfel, B.** 1995. The South African approach to partial nail avulsion (poster presentation). 15th World Congress of Podology, London, UK, 1995 [hosted by the British Society for Podiatrists and Chiropodists]

Public Lectures

7. **Zipfel, B.** 2024. Benaki Museum, Athens, Greece.
6. **Zipfel, B.** 2022. Behind-the-scenes: Curating ancient fossil human ancestors at Wits University. Object 2 – The Taung Child. The Origins Centre & GENUS Centenary 10 Objects Exhibitions 26 March 2022.
5. **Zipfel, B.** 2018. Fossil feet and the evolution of human bipedalism. *Robert Broom Memorial Lecture*. Ditsong Museum of Natural History, 2016.
4. **Zipfel, B.** 2013. Wounded Knee – from massacre (1890) to siege (1973). *Origins Lecture Series*, Origins Centre, University of the Witwatersrand, 27 August 2013.
3. **Zipfel, B.** 2011. Feet, fossils, footwear and finding a mate. *Science Week*, University of the Witwatersrand, 30 July 2013.
2. **Zipfel, B.** 2011. Robert Broom, John Robinson and the curation of fossils. *Robert Broom Colloquium*, Maropeng – November 26, 2011.

1. **Zipfel, B.** 2010. Moderator - "*Creation or Evolution? The debate continues*". Yates, A., Egan, A., Bokema, B., Origins Centre, 28 September, University of the Witwatersrand.

Invited Lectures and Presentations

Key lectures and presentations include:

26. 2022 "*Human combative behaviour – from ancient origins to modern times*". Archaeological Society, Roedene High School, 4 August, 2022
25. 2016 "*Homo naledi and the intriguing chamber of secrets*". Highveld Forum, Randburg, 24 May.
24. "*A journey into the Cradle of Humankind*". Common Purpose Seminar, Magaliesburg, 3 and 10 April.
23. "*Fossil finds and a feeling of time in the Cradle*". BMW launch, Forum homini, Cradle of Humankind, 18 February.
22. "*Homo naledi – the facts*" Archaeological Society, Transvaal Branch, 4 February
21. 2015 "*Wounded Knee – from massacre (1890) to siege (1973)*" Archaeological Society of South Africa, 9 April 2015.
20. 2013 "*The lower limb biomechanics of Australopithecus sediba*" Podiatry Association of South Africa, Branch Meeting, 25 July 2013, Johannesburg.
19. 2012 "*Human origins: what does the fossil evidence tell us?*" Qalehong – In the Beginning. Creation, Evolution and Eco-justice in the Cradle of Humankind. 27 August 2012, Catholic Bible College, Johannesburg.
18. "*The unexpected foot and ankle of Australopithecus sediba*" Research Seminar, The University Museum, The University of Tokyo, 12 June, 2012, Tokyo, Japan.
17. "*Fossil Facilities at the Wits Palaeocentre - upgrading of research and storage areas*" Curator's Forum, Institute for Vertebrate Palaeontology and Palaeoanthropology, 7 June, 2012, Beijing, Peoples Republic of China.
16. 2011 "*Human origins: what does the fossil evidence tell us?*" Qalehong – In the Beginning. Creation, Evolution and Eco-justice in the Cradle of Humankind. 25 November 2008, Catholic Bible College, Johannesburg.
15. 2010 "*Taung Skull - fossil that shook the world*" Heritage Day Celebrations, Cultural Centre, 24 September 2010, Taung.
14. "*How can I get published?*" Podiatry Association of South Africa, Branch Meeting, 8 September, Johannesburg.
13. "*Human Evolution*" Palaeontological Scientific Trust (PAST) Teachers Workshop, 6 July 2010.
12. "*Human Origins*" Palaeontological Scientific Trust (PAST) Teachers Workshop, 6 May 2010. Royal Bafokeng, Rustenburg.
11. 2009 "*Hominin feet: anatomical considerations*" African Footprint Programme, 10 December 2009, Iziko Museum, Cape Town.
10. "*Am Anfang – Erde und Leben in der Urzeit*" Senioren Kreis – Deutsch Lutherische Kirche, Westrand, Wilropark.
9. 2008 "*Quadruped to biped: what does the fossil evidence tell us?*" Qalehong – In the Beginning. Creation, Evolution and Eco-justice in the Cradle of Humankind. 25 November 2008, Catholic Bible College, Johannesburg.
8. 2008 "*Origins of humans*" How to Build a Habitable Planet Winter Workshop 18 – 27th June 2008 Programme, Cape Town.
7. 2007 "*The functional morphology of the hominin first metatarsal and the gait of Paranthropus robustus*". Bernard Price Institute for Palaeontological Research, Colloquia. University of

the Witwatersrand.

6. 2007 “*Fossil collections of the University of the Witwatersrand*”. Institute for Vertebrate Palaeontology and Palaeoanthropology, Beijing, Peoples Republic of China.
5. 2006 “*Metatarsal variation in modern humans – a South African focus*”. School of Biomedical and Health Sciences, University of Western Sydney, Australia.
4. 2005 “*Variation in the human metatarsus – Can different human sub-groups be discriminated?*” Institute for Human Evolution, University of the Witwatersrand Medical School.
3. 2002 “*Public Health in Indian Country – the Arizona experience*”, School of Public Health, Technikon Witwatersrand.
3. 2002 “*Disorders of the Foot*” – Occupational Health Association, Johannesburg.
2. 1995 “*Podiatry in South Africa – an overview*” – Leaf Hospital, Eastbourne, University of Brighton, U.K.
1. 1989 “*Biomechanics of the Foot*”, South African Society of Physiotherapists, University of the Witwatersrand Medical School.

Service

Committee memberships

- 2021- Director (non-executive): Maropeng A’Afrika Leisure (Pty) Ltd Board.
- 2021- Editorial Board: Wound Healing Southern Africa.
- 2018- Faculty Research Committee – Faculty of Science (Wits).
- 2015- Planning Committee – National Scientific Collections Facility (NSCF).
- 2015- Executive Committee – Evolutionary Studies Institute, University of the Witwatersrand.
- 2015- Departmental Research Committee – Department of Podiatry, University of Johannesburg.
- 2012-2016 Micro-focus CT Scanning Committee: University of the Witwatersrand.
- 2011-2021 University Museums Board of Control, University of the Witwatersrand.
- 2011- Anatomy Collections Committee, School of Anatomical sciences, University of the Witwatersrand.
- 2014-2016 Past President: Palaeontological Society of Southern Africa.
- 2012-2014 President: Palaeontological Society of Southern Africa.
- 2010-2012 Vice President: Palaeontological Society of Southern Africa.
- 2009-2014 Advisory Committee: Institute for Human Evolution, University of the Witwatersrand.
- 2008- Board of Control - Wits Art Museum.
- 2008 Interim Management Committee: Institute for Human Evolution, University of the Witwatersrand.
- 2007- Chair: Access Advisory Panel – University Primate Fossil Collections.
- 2007- Chair: Access Advisory Panel – University Faunal Fossil Collections.
- 2007- Research Supervisory Committee – Evolutionary Studies Institute , University of the Witwatersrand.
- 2007-2012 Exhibitions Committee: Maropeng a’Afrika Leisure.
- 2007-2012 International Editorial Board for the *Journal of Foot and Ankle Research*.
- 2005- International Advisory Board for *The Foot* journal.
- 2003-2006 International Education and Research Committee of the *Fédération Internationale des Podologues* (International Federation of Podiatrists).
- 1989- Advisory Committee for Podiatric Education (Chairman, 1995-2002). University of Johannesburg.
- 2000-2006 Faculty Board for Health Sciences - University of Johannesburg.

2000-2006	Executive Committee of the School of Public Health - University of Johannesburg.
2005-2006	Higher Degrees Committee- University of Johannesburg.
2005-2006	Academic Promotions Committee - University of Johannesburg.
2005-2006	Faculty Management Committee - University of Johannesburg.
2005-2006	Member of Senate - University of Johannesburg.
2004-2006	Chair: Standards Generating Body (SGB) for podiatry, South Africa.
2003-2006	Clinic Board for the Faculty of Health Sciences - University of Johannesburg.
2004-2005	International Advisory Board for the e-podiatry website.
1990-1993	Forum for Professional Associations; SA Podiatry Association representative.
1999-2006	Education sub-committee of the Professional Board for Physiotherapy, Podiatry and Biokinetics, Health Professions Council of South Africa.

Grant and Manuscript Peer Reviews

Centre of Excellence (Palaeosciences)(CoE)
 National Research Foundation (NRF)
 Leakey Foundation
 African Sun Media – Book Review (1)

American Journal of Physical Anthropology (6)
Annals of the Ditsong Museum (1)
Collegium Antropologicum (1)
Comptes rendus Palevol (1)
Communications Biology (1)
Evolutionary Anthropology (1)
Evolutionary Human Sciences (1)
Frontiers in Digital Health (1)
HOMO: Journal of Comparative Human Biology (6)
International Journal of the Digital Human (1)
International Journal of Osteoarchaeology (2)
Journal of Anatomy (1)
Journal of the American Podiatric Medical Association (4)
Journal of Foot and Ankle Research (8)
Journal of Human Evolution (5)
Nature Scientific Reports (1)
Palaeontologia africana (3)
PaleoAnthropology (1)
Proceedings of the Geologists' Association (1)
Quaternary Science Reviews (1)
South African Journal of Science (5)
South African Museums Association Bulletin (1)
The Foot (17)
Wound Healing Southern Africa (5)

Service to South African Organisations

2022	Panel Member – National Research Foundation Thutuka applications.
2022	M.Sc Examiner – Department of Podiatry, University of Johannesburg.
2022	PhD Examiner and defence committee – Palaeo-Research Institute, University of

- Johannesburg.
- 2022- Maropeng Board – Director.
- 2021 M.Sc Examiner – Palaeo-Research Institute, University of Johannesburg.
- 2020 PhD examiner – School of Anatomical Sciences, University of the Witwatersrand.
- 2014-2015 Past President: Palaeontological Society of Southern Africa (PSSA).
- 2012-2014 President: Palaeontological Society of Southern Africa (PSSA).
- 2010-2012 Vice President: Palaeontological Society of Southern Africa (PSSA).
- 2014 PhD Examiner, School of Anatomical Sciences, University of the Witwatersrand.
- 2010 Facilitator: Scatterlings Project Workshop, Palaeontological Scientific Trust (PAST), Tswalu Kalahari and Plover’s Lake (13-20 March 2010).
- 2010 Co-organiser of *The Sterkfontein Hominin Postcrania Workshop* in honour of Charles Lockwood (with Brian Richmond and Carol Ward), University of the Witwatersrand (5 – 9 January 2010).
- 2009 Internal examiner, M.Sc. Medicine, Medical School, University of the Witwatersrand.
- 2009 Guest lecturer: Foot and Ankle Biomechanics, Department of Chiropractic, University of Johannesburg.
- 2008- 2010 Advisor to the “Taung Skull Consortium”, Taung, North West Province.
- 2007-2009 External examiner for the Department of Podiatry (undergrad programme), University of Johannesburg.
- 2007 Internal examiner, M.Sc. Palaeoanthropology, Bernard Price Institute for Palaeontological Research, University of the Witwatersrand.
- 2006 Panel member; Internal programme review for the Department of Homoeopathy, University of Johannesburg (28 November).
- 2006 Co-presenter: Short course in Foot and Ankle Biomechanics – Department of Sport Science, University of the Witwatersrand (10 November).
- 2006 Panel member; Internal programme review for the Department of Optometry, University of Johannesburg (26-27 August).
- 2006 Panel member; Professional Board accreditation visit to the Department of Physiotherapy, University of Pretoria (27-29 March).
- 2004-2006 Chairman: Standards Generating Body (SGB) for the development of unit standards for podiatric education.
- 2003 Panel member; Professional Board accreditation visit, Department of Physiotherapy at the University of the Orange Free State (1 - 3 September)
- 2003 Editor: Proceedings of the 4th South African Podiatry Association Conference, Johannesburg.
- 2001 Editor: Proceedings of the 3rd South African Podiatry Association Conference, Durban.
- 1999 -2006 Professional Board for Physiotherapy, Podiatry and Biokinetics Education sub-committee: Attendance and participation in meetings and task teams.
- 1998-2004 Consultant podiatrist to the Gateway Village (school for the intellectually challenged).
- 1995-2004 Sometime examiner of foreign podiatry registrants for the Professional Board for Physiotherapy, Podiatry and Biokinetics.
- 1994 & 2004 Advisory board member compiling the essential prescription drug list for podiatry, for approval by the Health Professions Council of South Africa and Medicines Control Council of South Africa (Approved 2006).
- 1994 Assisted MESAB (Medical Education for South African Blacks) in initiating bursaries for podiatry students.
- 1993 Presenter - Podiatric Biomechanics workshop: South African Podiatry Association, Natal branch, Durban.

- 1990 Co-presenter- Short course in Podiatric Biomechanics: Technikon Witwatersrand.
- 1989 Presenter - Foot function workshop: South African Society of Physiotherapists, University of the Witwatersrand Medical School

Service to International Organisations

- 2016 PhD Defence Committee, Dartmouth College, New Hampshire, USA.
- 2010 Facilitation of the hominin post-cranial micro-CT programme for the Max-Planck Institute (Leipzig, Germany) at the University of the Witwatersrand.
- 2007 Delegation to Beijing, Peoples Republic of China, to negotiate and sign an agreement of cooperation promoting the palaeosciences between South Africa and China.
- 2005-2007 Assisted University of Western Sydney undergraduate biology students with human skeletal and fossil access [morphometric studies of foot bones, scapulae, pelves and crania for Dr. Robert Kidd, Department of Anatomy].
- 2005 Member of a panel of judges of the “best student scientific presentation award” for the Australasian Society for Human Biology 19th Annual Conference. University of New South Wales, Australia
- 2005/2007 External examiner: B.Sc. Honours dissertations, University of Western Sydney.
- 2004 Participant and panel member: International Consensus Conference, “Globalizing the Podiatric Profession: Lessons from Dentistry, Pharmacy and Optometry”. Boston, USA, 20–22 August.
- 2004 South African Podiatry Association representative at the *Fédération Internationale des Podologues* (FIP) meeting, Boston, 19 August 2004.
- 2004 Task team member for the international study – “Perceptions on the Practice of Podiatric Medicine in FIP Member Countries - A FIP Report.”
- 2003 Facilitator of the “People to People” programme in which representatives of the American Podiatric Medical Association met with members of the South African podiatry profession and academics for the exchange of ideas.
- 2003-2006 International Education and Research Committee of the *Fédération Internationale des Podologues* (FIP) – regular telephonic conferences with representatives of member countries.
- 2002 Assisted with the Australian National Anthropometric Survey, Sydney, Australia, 1 July [under guidance of Prof. Maciej Henneberg].
- 2001 Participant and session chair - International Consensus Conference, “The Globalization of Podiatry” Paris, France 16 -17 May.
- 2001 South African Podiatry Association representative at the *Fédération Internationale des Podologues* meeting, Paris, France 15 May.
- 2000-2001 Assisted the Society for Chiropodists and Podiatrists (UK) in the evaluation of podiatric education in South Africa; October 2000 – February 2001.
- 1997-1999 Coordinator of the University of Brighton B.Sc. Honours degree in Podiatric Studies in Johannesburg.
- 1995-1996 Collaboration with the University of Brighton, Department of Podiatry; the development of a podiatry degree in South Africa.

Grants and Awards

- 2023 Palaeontological Scientific Trust (PAST), Travel Grant.
Amount: R 38,000
RINC- Publication Award
Amount: R 43,000
- 2022 Natural Science Collections Facility Award “Sterkfontein Collections Curation”
PI: Dominic Stratford; Co-PI: Bernhard Zipfel
Amount: R 250,000
RINC- Publication Award
Amount: R 23,000
- 2021 RINC- Publication Award
Amount: R 49,800
- 2020 RINC Publication Award
Amount: R 7,000
- 2019 National Research Foundation (NRF) Rating C2 [AOP15092914 IFR13022117561]
Amount: R 30,000
RINC Publication Award
Amount: R 7,000
Centre of Excellence (Palaeosciences), “Technical support – curation”
Amount: R 27,000
- 2018 National Research Foundation (NRF) Rating C2 [AOP15092914 IFR13022117561]
Amount: R 31,339
RINC Publication Award
Amount: R 18,530
Centre of Excellence (Palaeosciences), “Technical support – curation”
Amount: R 12,000
- 2017 National Research Foundation (NRF) Rating C2
Amount: R 40,000
African Origins Platform (AOP) PI, K. Carlson; Co-PI, **B. Zipfel**; Co-PI, T. Jashashvili.
Amount: R 230,000
- 2016 National Research Foundation (NRF) Rating C2
Amount: R 40,000
Palaeontological Scientific Trust (PAST), “Technical support – *Massospondylus* display case”
Amount: R 85,000
African Origins Platform (AOP) PI, K. Carlson; Co-PI, **B. Zipfel**; Co-PI, T. Jashashvili.
Amount: R 320,000 (2016-2018)
- 2015 Centre of Excellence – Palaeontology (CoE-Pal) Equipment Funding, Grant No. EQ2015/01BZ
Amount: R 113,000
National Research Foundation (NRF) Rating C2
Amount: R 40,000
RINC Publication Award
Amount: R 3,571
- 2014 Palaeontological Scientific Trust (PAST), “Technical support – Phillip Tobias Primate and Hominid Fossil Laboratory”
Amount: R 200,000
National Research Foundation (NRF) Rating C2

- Amount: R 40,000
- 2013 National Research Foundation (NRF) Rating C2
Amount: R 40,000
- 2013 National Research Foundation (NRF), Rating Award, University of the Witwatersrand
Amount: R 22,500
- 2013 National Research Foundation (NRF), “Research Incentive Funding”
Amount: R 8,000
- 2012 Sino-African Collaborative Programme, National Research Foundation (NRF)
Amount: R 37,000
Palaeontological Scientific Trust (PAST), Travel Grant. “Calcaneal variation, The University Museum, The University of Tokyo.”
Amount: R 9,700
National Research Foundation (NRF), “Research Incentive Funding”
Amount: R 8,000
- 2011 Palaeontological Scientific Trust (PAST), Travel Grant. “Tip-toeing into the Pleistocene: the foot and ankle of *Australopithecus sediba*.” Podium presentation at the East African Association for Palaeoanthropology and Palaeontology (EAAPP) 3rd Biennial Conference, Addis Ababa, Ethiopia. PI, **B. Zipfel**.
African Curators Forum. National Museum of Ethiopia, Addis Ababa.
Amount: R 25,000
National Research Foundation (NRF), “Research Incentive Funding”
Amount: R 8,000
- 2010 National Environmental Research Council (NERC), “Dating the ‘Taung Child’ *Australopithecus africanus* type specimen through U-Pb measurements of associated calcite crystals” PI, R. Parrish, PP, P. Hopley, PP, C. Menter and PP, **B. Zipfel**
Amount: £ 26,096.61
- 2009 Palaeontological Scientific Trust (PAST), Travel Grant. “Towards a developed Taung – implications for fossils, scientists and curators.” Podium presentation at the East African Association for Palaeoanthropology and Palaeontology (EAAPP) 2nd Biennial Conference, Arusha, Tanzania. PI, **B. Zipfel**.
Amount: R 25,000
- 2009-2010 Palaeontological Scientific Trust (PAST), “Legolo Fossil Site Project.” PI, **B. Zipfel**; Co-PI, L.R. Berger.
Amount: R 50,000.
- 2008-2010 Ford Foundation, “Description and Interpretation of Hominin Postcranial Remains from Sterkfontein.” PI, **B. Zipfel**.
Amount: R 235,000
Ford Foundation, “Cataloguing and fossil preparation.” PI, **B. Zipfel**.
Amount: R 57,650
The Wenner Gren Foundation for Anthropological Research, “Description and Interpretation of Hominin Postcranial Remains from Sterkfontein.” PI, B.G. Richmond, C.V. Ward, **B. Zipfel**.
Amount: U.S. \$ 15,000
- 2008 Palaeontological Scientific Trust (PAST), Travel Grant. “Morphological variation in the metatarsus of recent and early Holocene humans.” PI, **B. Zipfel**.
Amount: R 6,000.
- 2007 Paul & Stella Loewenstein Educational Trust, “Curatorial equipment and support.” PI, **B. Zipfel**.
Amount: R 50,000

- 1999-2004 Palaeontological Scientific Trust (PAST), “Doctoral Thesis Research: Morphological variation in the metatarsal bones of selected recent and pre-pastoral humans from South Africa.” PI, **B. Zipfel**.
Amount: R 65,000
- 2003-2005 University of Johannesburg, “Merit Awards.”
Amount: R 20,000
- 1995-2005 Paul & Stella Loewenstein Educational Trust, “Podiatry Clinic Development.”
PI, **B. Zipfel**.
Amount: R 1,000,000

Field Experience

- 2022: Fieldwork at Kromdraai, Cradle of Humankind, Gauteng, 16 May-3 June 2022.
2021: Fieldwork at Kromdraai, Cradle of Humankind, Gauteng, 15-26 November 2021.
2021: Fieldwork at Stillbay, Western Cape, South Africa (human trackways).
2019: Co-permit holder for Kromdraai, Gauteng, South Africa (PI: Jose Braga, Co-permit holder: Francis Thackeray).
2013: Fieldwork at Rising Star Expedition, Cradle of Humankind, Gauteng, 6-22 November 2013.
2011: Fieldwork at Olduvai Gorge, Tanzania, 29 July-5 August 2011.
2010: Fieldwork at Heelbo, Orange Free State, South Africa (Jurassic dinosaurs).
2008: Fieldwork at Klipplaat, Karoo, South Africa (Tapinocephalus Biozone).

Field visits to:

Makapansgat, Limpopo Province (2007); Nihewan, Hebei Province and Zhoukoudian, Fangshanxian County, China (2007); Taung, North-West Province (2008-10); Olduvai Gorge, Tanzania (2009, 2011); Langebaan and Elandsfontein, Western Cape (2009); Boulwer (fossil plants), Loskop (Permian vertebrates) and Escourt (amphibian trackway) (2010); Melka Kunture (MSA) and Thie (Early Iron Age), Ethiopia (2011); Zhoukoudian (Peking Man Site), Fangshanxian County and Lantian (*Homo erectus* Site), Shaanxi County, China (2012); Badlands National Park, South Dakota, USA (2013); Hot Springs National Park (Mammoth site), South Dakota, USA (2013); Selonskraal (early iron age), Northwest Province (2016); Itchitucknee Springs State Park and Thomas Farm Miocene locality, Florida, USA (2015); Golden Gate National Park (*Massospondylus*) and surrounds (2017); “People, fossils, rocks”, Denver, Co, USA (2017); Gamla Uppsala (Viking archaeological site), Sweden (2019).

Classroom Teaching Experience

University of the Witwatersrand

- 2016- Hominin Evolution and Osteology (PALP 4013)(BSc (Hons) Palaeontology)
2018-2019 World Hunter Gatherers: Voices of Wounded Knee - then and now (1st year Archaeology)
2013 Bipedalism, biomechanics and locomotor efficiency: APES
2012 The human foot and ankle: function and evolution: BSc Biology

University of Johannesburg (Department of Podiatry)

- 2005-2006 Regional Anatomy, lower limb (form & function, evolution & functional clinical anatomy)
1998-2006 Research project tutor (final year honours projects)

1995-2006	Clinical Studies IV (skin & nail surgery, applied pharmacotherapeutics & clinical emergencies)
1989-2006	Clinical Studies III (biomechanics & radiology)
1995-2000	Podopaediatrics
1992-1995	Practice Management and Ethics
1989-1992	Podiatric Orthoses (theory & practical fabrication techniques)
1989-1995	Podiatric Medicine I (fundamentals of podiatry)

Post-graduate supervision/co-supervision

Nyagwaya, M. “Interpretation of Images of Human Evolution.” Ph.D. (Paleontology)[Current]. University of the Witwatersrand.

Co-supervisor Allison Kearney

Babutsi, M. “Reconstructing locomotor behaviour of southern African Plio-Pleistocene cercopithecoids: evidence from functionally-related inner structural arrangement of the trabecular bone.” MSc. (Palaeontology)[Current]. University of the Witwatersrand.

Co-supervisor: Amelie Beaudet

Tommy, K. “A comparative study of trabecular structure of the patellofemoral joint: evolutionary and biomechanical perspectives”. Ph.D. (Anatomy) [Current]. University of the Witwatersrand.

Co-supervisor: Kristian Carlson

Reyneker, M. “An investigation into high gear and low gear propulsion in human gait and its relation to metatarsal cortical bone thickness.” M.Sc. (Palaeoanthropology) [Current]. University of the Witwatersrand.

Co-supervisor: Kristian Carlson

Hunter, L. “Extending the assemblage: networks, data access, and epistemic consequences.” Ph.D. (Archaeology) [Current]. University of the Witwatersrand.

Supervisor: Amanda Estherhuizen

Yelverton, C. “A comparative functional analysis of spinous process, transverse process and articular facet morphology of the upper thoracic spine, in extant hominid and fossil hominins.” PhD [Completed 2023]. University of the Witwatersrand.

Co-supervisor: Scott Williams

Jenkins, G. “The usefulness of the GALLOP Assessment Tool to assist podiatrists in determining developmental milestones in paediatric patients”. M.Sc. (Podiatry) [Completed 2021]. University of Johannesburg.

Co-supervisor: Meesha Purboo

Thompson, A. “A comparison of foot measurements with footwear design parameters: should the shoe change?” Ph.D. [Completed 2021]. University of the Kwazulu-Natal.

Supervisor: Colleen Aldous

Tommy, K. “A comparative study of the trabecular architecture in the distal tibia of humans, hominoids and australopiths from South Africa.” M.Sc. (Palaeoanthropology) [Completed with distinction 2018]. University of the Witwatersrand.

Co-supervisor: Kristian Carlson

Dykes, S. “A morphometric analysis of hominin teeth attributed to different species of *Australopithecus*, *Paranthropus* and *Homo*.” M.Sc. (Palaeoanthropology) [Completed with distinction 2014]. University of the Witwatersrand.

Supervisor: Francis Thackeray

Alexander, H. “The inter-rater and intra-rater reliability of capturing foot parameters utilising computerised scanning and neutral foam box impression technique.” M.Sc. (Med) [Completed 2014]. University of the Witwatersrand.

Supervisor: Demitri Constantino

Alexander, S. “A review of athletes presenting for medical assistance at the 2011 Ironman South Africa triathlon event.” M.Sc. (Med) [Completed 2014]. University of the Witwatersrand.

Supervisor: Demitri Constantino

Nalla, S. “Axial morphology of hominidae and homininae ribs.” Ph.D. (Palaeoanthropology) [Completed 2013], University of the Witwatersrand.

Supervisor: Lee R. Berger

McClymont, J. “An analysis of the relationship between cortical bone thickness and diaphyseal curvature in the metatarsals of *Pan* and *Homo*.” M.Sc. (Palaeoanthropology) [Completed 2012], University of the Witwatersrand.

Co-supervisor: Kristian Carlson

Smilkstein, S. “The effect of chiropractic adjustment of the temporomandibular joint in those with chronic neck pain.” M. Tech. Chiropractic [Completed 2010], University of Johannesburg.

Rama, S. “Management of plantar fasciitis.” M. Tech. Chiropractic [Completed 2010], University of Johannesburg.

Supervisor: Christopher Yelverston

Kruger, K. “A comparison of *Magnetis polus australis* 30cH to 2M on the symptoms of onychocryptosis of the hallux.” M. Tech. Homeopathy [completed 2008], University of Johannesburg.

Thompson, A.L.T. “A South African podometric study: Does the shoe fit the foot?” M.Tech. Podiatry [completed 2007], University of Johannesburg.

Du Plessis, M. “A randomised clinical trial investigating the efficacy of the use of the Brantingham protocol versus hallux abducto valgus night splint, in the treatment of painful hallux abducto valgus”. M. Tech. Chiropractic [completed 2005], University of Johannesburg.

Rohl, A. “The efficacy of *Magnetis Polus Australis* 7CH and 30CH in the treatment of onychocryptosis of the hallux.” M. Tech. Homeopathy [completed 2003], University of Johannesburg.

Kapp, C. “The efficacy of Chiropractic care in the treatment of chronic low back pain utilizing spinal manipulation and manipulation of the foot.” M. Tech. Chiropractic [completed 2003], University of Johannesburg.

Honours project supervision

2015- 2 honours projects supervised (Evolutionary Studies Institute, University of the Witwaterarnd).

1998- 2017 41 honours projects supervised (Department of Podiatry, University of Johannesburg).