REPORT

British Triassic palaeontology: literature supplement 45

Since the completion of the previous supplement on British Triassic palaeontology (No. 44, *Mercian Geologist*, **20**, 216) the following works on or relating to aspects of that subject have appeared or come to the compiler's notice.

Agadzhanyan, A. K. 2022. Origin and early evolution of mammals. *Paleontological Journal*, **56**, 1274–1305.

Beith, S. J., Fox, C. P. *et al*. 2023. Compound-specific carbon isotope evidence that the initial carbon isotope excursion in the end-Triassic strata in northwest Tethys is not the product of CAMP magmatism. *Global & Planetary Change*, **222**, doi.org/10.1016/j.gloplacha.2023.104044. 10 pp.

Bestwick, J., Godoy, P. L. *et al*. 2022. Relative skull size evolution in Mesozoic archosauromorphs: potential drivers and morphological uniqueness of erythrosuchid archosauriforms. *Palaeontology*, **65**, doi.org/10.1111/pala.12599. 23 pp.

Bond, A. D., Dickson, A. J. *et al*. 2022. Marine redox change and extinction in Triassic-Jurassic boundary strata from the Larne Basin, Northern Ireland. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **598**, doi.org/10.1016/j.palaeo.2022.111018. 14 pp.

Burley, S. & Radley, J. 2022. Geoconservation partnerships enable restoration of Arden Sandstone outcrops in the English Midlands. *Earth Heritage*, **57**, 41–44.

Burley, S. D., Radley, J. D. & Coram, R. A. 2023. 'A hard rain's a-gonna fall': torrential rain, flash floods and desert lakes in the Late Triassic Arden Sandstone of Central England. *Geology Today*, **39**, 90–98.

Dawson, G. J., Burley, S. D. *et al*. 2022. A new exposure of the North Curry Sandstone Member (Dunscombe Mudstone Formation, Mercia Mudstone Group: Carnian, Triassic), near Taunton, Somerset (UK): the location of Charles Moore's vertebrate specimens resolved. *Proceedings of the Geologists' Assocciation*, **133**, 526–537.

Edgar, K. M., Haller, L. *et al*. 2023. Stratigraphic and geographic distribution of dinosaur tracks in the UK. *Journal of the Geological Society, London*, **180**, doi.org/10.1144/jgs2023-003. 10 pp.

Foffa, D. 2023. The hidden secrets of Late Triassic Scotland; *Scleromochlus taylori*. *Magazine of the Geologists' Association*, **22**, 44–45.

Gônet. J., Bardin, J. *et al*. 2023. Locomotor and postural diversity among reptiles viewed through the prism of femoral microanatomy: palaeobiological implications for some Permian and Mesozoic taxa. *Journal of Anatomy*, **242**, 891–916.

Gravendyck, J., Coiffard, C. *et al*. 2023. Re-evaluation of *Cerebropollenites thiergartii* Eberh.Schulz 1967 and related taxa: priority of *Sciadopityspollenites* and nomenclatural novelties. *Grana*, **62**, 1–47.

Hounslow, M. W. & Gallois, R. 2003. Magnetostratigraphy of the Mercia Mudstone Group (Devon, UK): implications for regional relationships and chronostratigraphy of the Middle to Late Triassic of western Europe. *Journal of the Geological Society, London*, **180**, doi.org/10.1144/jgs2022-173. 24 pp.

Howson, M. P., Tucker, M. E. & Whitaker, F. F. 2022. Rare preservation of Triassic pedorelicts with biogenic traces from a hot semi-arid upland palaeoenvironment at Portishead, SW England. *Proceedings of the Geologists' Association*, **133**, 572–588.

Jeram, A. J., Simms, M. J. *et al*. 2023. Carbon isotopes, ammonites and earthquakes: key Triassic-Jurassic boundary events in the coastal sections of south-east County Antrim, Northern Ireland, UK. *Proceedings of the Geologists' Association*, **134**, 1–24.

Meiri, S. & Levin, E. 2022. Revisiting life history and morphological proxies for early mammaliaform metabolic rates. *Nature Communications*, **13**, doi.org/10.1038/s41467-022-32715-0. 3 pp.

Mellett, M. P., Kligman, B. T. *et al*. 2023. Masticatory mechanisms, dental function, and diet in Triassic trilophosaurids (Reptilia: Allokotosauria). *Palaeodiversity*, **16**, 99–124.

Mukherjee, D. & Ray, S. 2022. Pachyosteosclerosis, rhamphotheca and enhanced sensory capabilities of the premaxillae of *Hyperodapedon* (Archosauromorpha, Rhynchosauria): implications for foraging at the sediment–water interface. *Palaeontology*, **65**, doi.org/ 10.1111/pala.12626. 28 pp.

Ruban, D. A. 2022. A review of the Late Triassic conodont conundrum: survival beyond biotic perturbations. *Palaeobiodiversity and Palaeoenvironments*, **102**, 373–382.

Salisbury, J., Gröcke, D.R. *et al*. 2022. An 80-million-year sulphur isotope record of pyrite burial over the Permian-Triassic. *Nature Scientific Reports*, **12**, doi.org/10.1038/s41598-022-21542-4. 9 pp.

Scibiorski, J., Peyrot, D. *et al*. 2022. The Triassic pollen genus *Camerosporites*: new morphological and ultrastructural data, revised taxonomy and paleobiogeographical aspects. *Review of Palaeobotany and Palynology*, **305**, doi.org/10.1016/j.revpalbo.2022.104741. 23 pp.

Scibiorski, J., Peyrot, D. *et al*. 2022. The *Enzonalasporites* group of Triassic pollen genera and species: new morphological and ultrastructural data, revised taxonomy and paleobiogeographical aspects. *Review of Palaeobotany and Palynology*, **306**, doi.org/10.1016/j.revpalbo.2022.104744. 34pp.

Sethapanichsakul, T., Coram, R. A. & Benton, M. J. 2023. Unique dentition of rhynchosaurs and their two-phase success as herbivores in the Triassic. *Palaeontology*, **66**, doi.org/10.1111/pala.12654. 16 pp.

Tayler, J., Duffin, C. J. *et al*. 2023. Geology and microvertebrate faunas of the Rhaetian Westbury Formation of Doniford Bay, Somerset. *Proceedings of the Geologists' Association*, **134**, 166–182.

Tianchen He, Wignall, P. B. *et al*. 2022. Extensive marine anoxia in the European epicontinental sea during the end-Triassic mass extinction. *Global and Planetary Change*, **210**, doi.org/10.1016/j.gloplacha.2022.103771. 9 pp.

Turner, M. L. & Gatesby, S. M. 2023. Inner workings of the alligator ankle reveal the mechanistic origins of archosaur locomotor diversity. *Journal of Anatomy*, **242**, 592–606.

Geoffrey Warrington

School of Geography, Geology & the Environment, University of Leicester, Leicester LE1 7RH
gwarrington@btinternet.com