

Obituary of Dietrich Kadolsky (04.11.1948 – 07.12.2022)



Portrait (October 2020)

Dietrich (Dieter) Kadolsky – stratigrapher, petroleum geologist and renowned expert in fossil land and freshwater molluscs specialising in the Mainz Tertiary Basin, died on the 7th of December 2022 after a long and serious illness.

Dieter Kadolsky was born in Berlin on November 4th 1948, the eldest of three siblings. His parents were both medical doctors, and the family lived in the Tiergarten district. It was the Tiergarten Park that first sparked Dieter's interest in the natural sciences.

He began collecting and observing molluscs as a young child. The family moved to Lower Saxony in 1963 where his father opened a medical practice in Rastede, and where Dieter graduated from the high school in Oldenburg. Given his deep interest in geology and palaeontology from such an early age, it was only natural for Dieter to study it at university. He began in 1969, after high school graduation and military service, graduating from Bonn University with a "Diplom", a Master's degree equivalent. His thesis in 1974 was dedicated to the profile and molluscan fauna of the Falkenberg Graben in the Mainz Basin, and supervised by Professor Horst Remy.

It was also in Bonn where Dieter met his future wife Sigrid, whom he married in 1973. The couple lived in Neukirchen-Vluyn in the Lower Rhine region. Dieter was initially unsure of which career path to pursue. He would have liked to work as a palaeontologist at a museum or university, but the prospects were rather unpromising at the time. He joined Texaco AG in 1975, where he began work in Hamburg and Wietze. From 1978 to 1988 he worked in London as an exploration geologist and team leader, primarily in the exploration of offshore deposits in the North Sea. Between 1988 and 2002 he moved several times, from London to the Danish Texaco branch in Copenhagen and back to London in order to take on a variety of responsibilities, including risk management.

From 2002 to 2006 he worked at ChevronTexaco Europe in Aberdeen as a project manager and team supervisor. After a series of changes in the work environment including the outsourcing of tasks, Dieter Kadolsky left the company to found his own consulting company, Beneath the Surface Geoconsultants Ltd. He carried out assignments for various companies on exploration, risk evaluation and stratigraphic interpretation, mainly in the area of the North Sea and the North Atlantic, but also in Brazil. In 2014 he dissolved his company and retired.

The family, including his two children, found a permanent home in Greater London after several relocations for work. The family remained in England, despite Brexit, where at the Natural History Museum and the British Library there were plentiful research opportunities for Dieter's passion, namely the palaeontology of molluscs.

In addition to his work in geophysics, the stratigraphy of predominantly Mesozoic rocks and his professional occupation in deposit exploration, Dieter Kadolsky continued his research on the palaeontology of primarily terrestrial-limnic molluscan faunas and the stratigraphy of the Tertiary in the Mainz Basin as a personal passion.

He had originally intended to pursue his doctorate in these topics with Professor Karlheinz Rothausen, an expert on the Mainz Basin, who would have been available as a supervisor. However, his professional commitments left Dieter Kadolsky little time for this pursuit, and after Professor Rothausen retired he finally gave up the plan to do a doctorate. This also left him able to devote more time to research.

Dieter Kadolsky worked on various faunas from the older Tertiary, in particular from the Oligocene of the Mainz Basin, as well as faunas from many regions outside Europe. He sometimes worked alone, but very often together with colleagues. Many of his publications also dealt with living land snails. Among the marine gastropods, he was particularly interested in the families Littorinidae, Lacunidae, and Elachisinidae.

Dieter's meticulous precision, keen power of observation and professional knowledge, that went far beyond the German Tertiary, earned him an excellent reputation as an outstanding expert on limnic and terrestrial mollusc faunas, and especially those of the Mainz Basin. His stratigraphic work, such as that on the biostratigraphic importance of molluscs and the mollusc zoning of the younger Oligocene in the Mainz Basin (1989), is seminal and will retain its importance for a long time to come. Dieter Kadolsky for many years was also a member (since 2012 as Ordinary member) of the German Sub-Commission on Tertiary Stratigraphy, and regularly attended their annual conferences and excursions. In the event of any technical discussions, he impressed with his knowledgeable and reserved contributions. In the frame of the Sub-Commission he contributed to the volume on the Tertiary of the Upper Rhinegraben (2011, in the series "Stratigraphie von Deutschland") as well as to the Stratigraphic Chart of Germany (2016).

He was a long-standing member of various scientific societies including the German Malacozoological Society, the Conchological Society of Great Britain and Ireland, and the Geological Society of London. He was also a long-time member of the Editorial Board of the "Archiv für Molluskenkunde". In 2015 he was appointed an honorary fellow of the Wiesbaden Museum.



In his personal office (April 2013)



On-site on the Isle of Sheppey (September 2017)

Dieter Kadolsky had a keen interest in nomenclatural debate and made some surprising discoveries that had far-reaching consequences. Many of his proposals and comments were published in the *Bulletin of Zoological Nomenclature*. He was also an advocate of a very strict interpretation of the nomenclature rules, which were sometimes formulated ambivalently and provoked quite controversial interpretations. When assessing the conchological characters available to palaeontologists, especially in groups with few characteristics such as the Hydrobioidea, Dieter Kadolsky advocated an approach that was strongly based on the differentiation of morphospecies, in which he also valued small differences in the shell shape. As a matter of principle, he considered attempts to orientate oneself to a living biological species concept when working with fossil forms to be incorrect.

His taxonomic research naturally meant that Dieter Kadolsky also had a broad interest in research-historical contexts and the biographies of important authors. The intensive study of classic collection materials, for example in the museums in Wiesbaden, Frankfurt and Stuttgart, also provided ample motivation and opportunities for that.

As far as his professional commitments permitted, Dieter Kadolsky undertook longer annual research trips to the aforementioned museums. He was a regular guest researcher, particularly in Wiesbaden and at the Senckenberg Forschungsinstitut in Frankfurt. The programme of these stays was always well prepared and organised. However, he had to break off his last visit to the Senckenberg Museum in July 2022 after just one day due to illness.

Dieter Kadolsky was highly valued and well-liked among colleagues from Tertiary research and palaeontology because of his modest nature, calm demeanour and aversion to any kind of self-promotion. His contributions to technical discussions were characterised by a wealth of knowledge and objectivity. In personal dealings, Dieter Kadolsky was reserved and it is perhaps due to this calm manner that only a few of his colleagues could call themselves his personal friends. During his visits to the museum, he was very focused on his programme with little room for excessive conversation. If, however, the opportunity for a non-technical conversation arose, both his broad interest in politics and world affairs, and his subtle and often dry sense of humour became apparent.

Dieter was a devoted and sympathetic father to his children, concerned with their education and development, and sharing his interest in the natural sciences. He was a role model and support for his family with his rational thinking and behaviour, even in difficult situations. In his spare time he enjoyed gardening, and not without keeping an eye on the resident mollusc fauna. He took a lively interest in politics and with his wife undertook much long-distance travel. Cultural interests such as classical music and opera also found a place alongside work and science.

By his family Dieter Kadolsky will be remembered as a loving father and husband, and by his friends and colleagues in science as a knowledgeable and well-loved colleague. He resisted his long and serious illness admirably, continuing to work on publications until the end, which unfortunately he did not live to see published. With close to 100 publications, 115 newly described genera and species of mostly fossil molluscs and numerous, valuable contributions to the stratigraphy of the Mainz Tertiary Basin, Dieter Kadolsky will remain unforgotten as a scientist! His rich collection of fossil molluscs and specialist literature will go to the Senckenberg Forschungsinstitut in Frankfurt am Main.

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I would like to thank his wife Sigrid Kadolsky and his brother-in-law Helmut Graf for invaluable biographical information, photos, publication listings and newly described taxa, and Dieter's daughter Anke for the English translation.

APPENDIX 1. Publications by Dietrich Kadolsky

Malacology (recent and Tertiary) and Tertiary stratigraphy

- Kadolsky, D. 1967a. Ein neuer Fundort von *Helicodiscus (Hebetodiscus) singleyanus inermis*. *Mitteilungen der deutschen malakozoologischen Gesellschaft* 9: 163-164. Frankfurt a.M., iv.1967.
- Kadolsky, D. 1967b. Zur Ausbreitung der *Congeria cochleata*. *Mitteilungen der deutschen malakozoologischen Gesellschaft* 10: 206. Frankfurt a.M., ix.1967.
- Kadolsky, D. 1968. Zur Kenntnis der bretonischen Landschnecken. *Mitteilungen der deutschen malakozoologischen Gesellschaft* 1 (11): 237-240, 1 textfig. Frankfurt a.M., iv.1968.
- Kadolsky, D. 1969. Eine subrezente Molluskenfauna aus dem Haarenbett in der Stadt Oldenburg (Old.). *Oldenburger Jahrbuch* 66: 69-74, 1 fig. Oldenburg (Oldb.) ["1967" but published on 15.i.1969].
- Kadolsky, D. 1970. *Littorina* Férussac, 1822: proposed designation of a type species under the Plenary Powers. *Z.N.(S.)* 1909. *Bulletin of Zoological Nomenclature* 27 (1): 51-54. London, 5.vi.1970.
- Kadolsky, D. 1971. Nomenklatorische Bemerkungen. *Archiv für Molluskenkunde* 101 (1/4): 191-193. Frankfurt a.M., 30.vii.1971.
- Kadolsky, D. 1973. Die vorpliozänen Littorinidae und Lacunidae Mitteleuropas (Gastropoda: Prosobranchia). *Archiv für Molluskenkunde* 103 (1/3): 31-62, 30 textfigs. Frankfurt a. M.
- Kadolsky, D. 1974. *Das Tertiärprofil des Falkenberg- Grabens (Hessen, Mainzer Becken) und seine Molluskenfauna (Blatt 5916 Hochheim)*.- 175 pp., 44 figs, 11 enclosures; Diploma-Thesis, Universität Bonn [unpublished].
- Kadolsky, D. 1975. Zur Paläontologie und Biostratigraphie des Tertiärs im Neuwieder Becken, I. Taxonomie und stratigraphische Bedeutung von Mollusken. *Decheniana* 128: 113-137, 15 textfigs. Bonn.
- Kadolsky, D. 1980. On the taxonomic position, the species and the paleoecological significance of the genera *Eubora*, *Toxosoma* and *Littoridina* (?) in the Pliocene Pebas Formation of the Upper Amazon region. *Veliger* 22 (4): 364-375, 17 textfigs. Berkeley, 1.iv.1980.
- Rosewater, J. & Kadolsky, D. 1981. Rectifications in the nomenclature of some Indo-Pacific Littorinidae-II. *Proceedings of the Biological Society of Washington* 94 (4): 1233-1236. Washington, 31.xii.1981.
- Bandel, K. & Kadolsky, D. 1982. Western Atlantic species of *Nodilittorina* (Gastropoda: Prosobranchia): Comparative morphology and its functional, ecological, phylogenetic and taxonomic implications. *Veliger* 25 (1): 1-42, pl. 1-8, 11 textfigs. Berkeley, 1.vii.1982.
- Kadolsky, D., Löhnertz, W. & Soulié-Märsche, I. 1983. Zur Paläontologie und Geologie fossilführender Hornsteine der S-Eifel (Oligozän, Rheinisches Schiefergebirge). *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 166 (2): 191-217, 17 textfigs, 1 tab. Stuttgart, vi.1983.
- Kadolsky, D. 1984. Zur Taxonomie, Nomenklatur und stratigraphischen Bedeutung einiger Mollusken der Inflatenschichten und höchsten Cerithienschichten (Tertiär, Mainzer Becken). *Mainzer geowissenschaftliche Mitteilungen* 13: 195-203, 6 textfigs, 1 tab. Mainz, viii.1984.
- Kadolsky, D. 1989a. Mollusken aus dem Oligozän von Sieblos a.d. Wasserkuppe/ Rhön. *Beiträge zur Naturkunde in Osthessen* 24: 99-129, Abb.1A, 1-52, 2 tabs Fulda [.,xii. 1988“, offprints received 26.v.1989].
- Kadolsky, D. 1989b. Stratigraphie und Molluskenfaunen von „Landschneckenkalk“ und „Cerithienschichten“ im Mainzer Becken (Oberoligozän bis Untermiozän?): Stratigraphische, paläogeographische und paläökologische Ergebnis-

- se. *Geologisches Jahrbuch* (A) 110: 69-133, 10 figs, 8 tabs. Hannover [“1988”, offprints received 7.xii.1989].
- Kadolsky, D. & Koch, R. 1989c. Pseudoriffe im Landschneckenkalk und in den tiefen Oberen Cerithienschichten (Oberoligozän) des Mainzer Beckens. *Geologisches Jahrbuch* (A) 110: 135-163, 17 figs, 2 tabs. Hannover [“1988”, offprints received 7.xii.1989].
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- Kadolsky, D. 1990b. *Helix* (*Helicigona*) *barbata* Férussac, 1832 (currently *Lindholmiola barbata*; Mollusca, Gastropoda): proposed confirmation of lectotype designation. *Bulletin of Zoological Nomenclature* 47 (2): 101-103. London, vi.1990.
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- Kadolsky, D. 1993. Der Gattung *Nystia* zugeordnete Arten im Tertiär des mittleren und westlichen Europas (Gastropoda: Risssooidea). *Archiv für Molluskenkunde* 122 (Zilch- Festschrift): 335-402, 2 tabs, 94 figs; Frankfurt a.M. 28.ii.1993 [received 19.iv.1993].
- Kadolsky, D. 1995a. Stratigraphie und Molluskenfaunen von „Landschneckenkalk“ und „Cerithienschichten“ im Mainzer Becken (Oberoligozän bis Untermiozän?), 2: Revision der aquatischen Mollusken des Landschneckenkalkes. *Archiv für Molluskenkunde* 124 (1/2): 1-55, 48 figs, 4 pls; Frankfurt a.M. 31.iii.1995 [received 23.iii.1995].
- Kadolsky, D. 1995b. Comments on the proposed conservation of the specific name of *Xerophila geyeri* Soós, 1926 (Mollusca, Gastropoda). *Bulletin of Zoological Nomenclature* 52 (2): 176-178; London.
- Kadolsky, D. & Schäfer, P. 1995c. „Corbicula-Schichten“ und „Inflata-Schichten“ (Miozän, Mainzer Becken): Zur Begriffsklärung zweier unterschiedlicher stratigraphischer Einheiten. *Mainzer geowissenschaftliche Mitteilungen* 24: 71-86, 1 fig., 2 tabs, 1 pl.; Mainz, xi.1995
- Kadolsky, D. 1995d. Mollusken. In: Mörs, T. 1995d. Die Sedimentationsgeschichte der Fossilagerstätte Rott und ihre Alterseinstufung anhand neuer Säugerfunde (Oberoligozän, Rheinland). *Courier Forschungsinstitut Senckenberg* 187: 49-50. Frankfurt a.M., 12.xii.1995.
- Kadolsky, D. 1996a. Comments on the proposed conservation of the specific name of *Xerophila geyeri* Soós, 1926 (Mollusca, Gastropoda). *Bulletin of Zoological Nomenclature* 53 (1): 43; London, iii.1996.
- Kadolsky, D. 1998a. *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870 (Mollusca, Gastropoda): proposed designation of *Bithinia deschiensiana* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 as the respective type species, with the conservation of *Bania* Brusina, 1896. *Bulletin of Zoological Nomenclature* 55 (2): 82-86. London, vi.1998.
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- Kadolsky, D. 1998c. Molluskenzonierung in den Cerithienschichten des Mainzer Beckens: eine Korrektur. *Mainzer geowissenschaftliche Mitteilungen* 27: 213-216, 1 tab. Mainz, ix.1998.
- Kadolsky, D. 1999a. Comments on the proposed conservation of *Hydrobia* Hartmann, 1821 (Mollusca, Gastropoda) and *Cyclostoma acutum* Draparnaud, 1805 (currently *Hydrobia acuta*) by the replacement of the lectotype of *H. acuta* with a neotype; proposed designation of *Turbo ventrosus* Montagu, 1803 as the type species of *Ventrosia* Radoman, 1977; and proposed emendation of spelling of *Hydrobiina* Mulsant, 1844 (Insecta, Coleoptera) to *Hydrobiusina*, so removing the homonymy with *Hydrobiidae* Troschel, 1857 (Mollusca). *Bulletin of Zoological Nomenclature* 56 (1): 62-63. London, iii.1999.
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APPENDIX 2. New taxa described by Dietrich Kadolsky

(taxa attributed to actual family names according to MolluscaBase)

- Afrodontops* Kadolsky, 2020 – *Geologica Saxonica* 65/66: 45 (Type species: *Afrodontops europaea* Kadolsky, 2020; Fam. Charopidae or Endodontidae)
- Agalactochilus* Kadolsky, Binder & Neubauer, 2016 – *Archiv für Molluskenkunde* 145 (2): 154 (Type species: *Helix leobersdorfensis* Troll, 1907; Fam. Helicidae)
- Ajanssenium* Kadolsky, 1989, *Lentidium* (*Ajanssenium*) – *Geologisches Jahrbuch A* 110: 125 (Type species: *Corbulomya sphenioides* Sandberger, 1861; Fam. Corbulidae)
- Albinulopsis* Kadolsky, 2020 – *Geologica Saxonica* 65/66: 43 (Type species: *Albinulopsis gibba* Kadolsky, 2020; Fam. Gastrocoptidae)
- annulifer* Kadolsky, 2021, *Annulifer* – *Bionomina* 21: 129, figs 1A-C (Fam. Hydrobiidae s. lat.)
- arabica* Kadolsky, Harzhauser & Neubauer in Harzhauser *et al.*, 2015, *Arabiella* – *Paläontologische Zeitschrift* 90 (1): 72, Figs 4a-d (Fam. ? Hydrobiidae)
- Arabiella* Kadolsky, Harzhauser & Neubauer in Harzhauser *et al.*, 2015 – *Paläontologische Zeitschrift* 90 (1): 71 (Type species: *Arabiella arabica* Kadolsky, Harzhauser & Neubauer in Harzhauser *et al.*, 2015; Fam. ? Hydrobiidae)
- aspis* Kadolsky, 2020, *Acroloxus* – *Geologica Saxonica* 65/66: 35, pl. 2A figs 1-2, pl. 2B figs 1-2 (Fam. Acroloxidae)
- Atopippeutis* Kadolsky, 2014 – *Geologica Saxonica* 61 (1): 58 (Type species: *Atopippeutis muelleri* Kadolsky, 2014; Fam. Planorbidae)
- bachii* Kadolsky, 2020, *Carychium* – *Geologica Saxonica* 65/66: 40, pl. 3A figs 10-11, pl. 3B figs 10-11 (Fam. Ellobiidae)
- belchatovenssis* Kadolsky & Piechocki, 2000, *Belchatovia* – *Archiv für Molluskenkunde* 128 (1/2): 219, figs 1-4, pl. 1 figs 1-2 (Fam. Hydrobiidae)
- Belchatovia* Kadolsky & Piechocki, 2000 – *Archiv für Molluskenkunde* 128 (1/2): 223 (Type species: *Belchatovia hydrobiopsis* Kadolsky & Piechocki, 2000; Fam. Hydrobiidae)
- borealis* Kadolsky, 1995, *Polymesoda* – *Archiv für Molluskenkunde* 124 (1/2): 30, pl. 4 figs 38, 39 (Fam. Cyrenidae)
- Borecphora* Kadolsky, 1989, *Ecphora* (*Borecphora*) – *Geologisches Jahrbuch A* 110: 121 (Type species: *Ecphora koeneni* Görge, 1952; Fam. Muricidae)
- Calculocochlea* Juárez-Ruiz & Matamales-Andreu & Kadolsky, 2020 – *Journal of Iberian Geology* 46 (2): 199 (Type species: *Calculocochlea oliveri* Juárez-Ruiz & Matamales-Andreu & Kadolsky, 2020; Fam. Vidaliellidae)
- Carychiopsina* Kadolsky, 2020 – *Geologica Saxonica* 65/66: 38 (Type species: *Pupa schwageri* Reuss, 1868; Fam. Ellobiidae)
- cauticola* Kadolsky, 1989, *Sphenia* – *Geologisches Jahrbuch A* 110: 125 (Fam. Myidae)
- cinderella* Kadolsky, 1989, *Granulolabium* – *Geologisches Jahrbuch A* 110: 120 (Fam. Batillariidae)
- comes* Kadolsky, 2020, *Afrodontops* – *Geologica Saxonica* 65/66: 46, pl. 5A fig. 11, pl. 5B fig. 11 (Fam. Charopidae or Endodontidae)
- compressoides* Kadolsky, 1995, *Hydrobia* – *Archiv für Molluskenkunde* 124 (1/2): 11, fig. 13 (Fam. Hydrobiidae)
- confusa* Kadolsky, 1973, *Cirsope* (*Pseudocirsope*) – *Archiv für Molluskenkunde* 103 (1/3): 44, fig. 13 (Fam. Lacunidae)
- conoidalis* Kadolsky & Morton, 2022, *Nystia* – *Cainozoic Research* 22 (1): 4, figs 1-3 (Fam. Truncatellidae)
- costellata* Kadolsky, 2020, *Palaeostoa* – *Geologica Saxonica* 65/66: 47, pl. 6 figs 2-3, pl. 7 figs 1-6, pl. 8A fig. 3, pl. 8B fig. 3 (Fam. Palaeostoidae)
- crassiventer* Salvador, Hölftke, Rasser & Kadolsky, 2016, *Granaria* – *Palaeodiversity* 9: 23, 31, 65, pl. 7 fig. 1 (nom. nov. pro *Pupa* (*Torquilla*) *schübleri* var. *pachygastra* Miller, 1900 non *Pupa pachygastra* Rossmässler, 1837; Fam. Chondrinidae; **Note** (RJ): on p. 31 as *crassiventrosa*)
- degrangei* Kadolsky, 1993, *Schuettemmericia* – *Archiv für Molluskenkunde* 122: 354, figs 17-18 (Fam. Emmericiidae)
- diplogrammica* Kadolsky, 1973, *Littorina* (*Melarhapse*) *nodulifera* – *Archiv für Molluskenkunde* 103 (1/3): 36, fig. 4 (Fam. Littorinidae)
- Eubora* Kadolsky, 1980 – *Veliger* 22 (4): 366 (nom. nov. pro *Ebora* Conrad, 1871 non Walker, 1867; Type species: *Ebora crassilabra* Conrad, 1871; Fam. Cochliopidae; = *Sioliella* Haas, 1949)
- Eula* Kadolsky, 1973 – *Archiv für Molluskenkunde* 103 (1/3): 33 (nom. nov. pro *Eulimene* S.V. Wood, 1872 non Risso, 1826; Type species: *Paludestrina pendula* S. V. Wood, 1872; Fam. Littorinidae)
- europaea* Kadolsky, 2020, *Afrodontops* – *Geologica Saxonica* 65/66: 46, pl. 5A figs 7-10, pl. 5B figs 7-10 (Fam. Charopidae or Endodontidae)
- Falsocorbicula* Kadolsky, 1989 – *Geologisches Jahrbuch A* 110: 124 (Type species: *Cyrena faujasii* Deshayes, 1830; Fam. Cyrenidae)
- frater* Kadolsky, 1989, *Omphalosagda* – *Geologisches Jahrbuch A* 110: 123 (Fam. Archaeozonitidae)
- fridolini* Kadolsky, 1995, *Lentidium* (*Ajanssenium*) – *Archiv für Molluskenkunde* 124 (1/2): 31 (nom. nov. pro *Corbulomya nitida* Sandberger, 1861 non *Corbula nitida*, Sowerby 1822 (= *Lentidium*); Fam. Corbulidae)
- fusiforme* Wesselingh & Kadolsky, 2006, *Longosoma* – *Scripta Geologica* 133: 146, figs 185-186 (Fam. Cochliopidae)
- Galactochiloidini* Kadolsky, Binder & Neubauer, 2016 – *Archiv für Molluskenkunde* 145 (2): 153 (Fam. Elonidae; = Eloninae)

- gibba** Kadolsky, 2020, *Albinulopsis* – *Geologica Saxonica* 65/66: 43, pl. 5A figs 1-3, pl. 5B figs 1-3 (Fam. Gastrocoptidae)
- giustii** Kadolsky, 2008, “*Pseudamnicola*” – *Courier Forschungs-Institut Senckenberg* 260: 119, figs 18-19, 20, pl. 2 figs 6-10 (Fam. Hydrobiidae)
- glabrum** Wesselingh & Kadolsky, 2006, *Longosoma* – *Scripta Geologica* 133: 143, figs 183-184 (Fam. Cochliopidae)
- grevei** Kadolsky, 1980, *Eubora* – *Veliger* 22 (4): 369, fig. 11 (Fam. Cochliopidae)
- hartkopfi** Kadolsky, 2014, *Lutetiella* – *Geologica Saxonica* 61 (1): 38, figs 1-9 (Fam. Hydrobiidae)
- hawaiiensis** Rosewater & Kadolsky, 1981, *Nodilittorina* (*Granulilittorina*) – *Proceedings of the Biological Society of Washington* 94 (4): 1234 (nom. nov. pro *Littorina picta* Philippi, 1846 non *Littorina obtusata picta* Menke, 1845; Fam. Littorinidae)
- hecki** Kadolsky, 2008, „*Globuliana*“ – *Courier Forschungs-Institut Senckenberg* 260: 118, figs 17, 20, pl. 2 figs 1-5 (Fam. Hydrobiidae)
- heeringi** Kadolsky, 1989, *Falsocorbicula* – *Geologisches Jahrbuch A* 110: 124 (Fam. Cyrenidae)
- hennigeri** Kadolsky, 2020, *Ovicarychium* – *Geologica Saxonica* 65/66: 41, pl. 4A figs 4-5, pl. 4B figs 4-5 (Fam. Ellobiidae)
- hydrobiopsis** Kadolsky & Piechocki, 2000, *Belchatovia* – *Archiv für Molluskenkunde* 128 (1/2): 224, figs 13-14, pl. 1 fig.4 (Fam. Hydrobiidae)
- inexpectata** Kadolsky, 1989, *Prososthenia?* – *Geologisches Jahrbuch A* 110: 120 (Fam. Hydrobiidae)
- integra** Kadolsky, 1993, *Nystia* – *Archiv für Molluskenkunde* 122: 381, figs 84-89 (Fam. Truncatellidae)
- karsdorfensis** Kadolsky, 2020, *Acanthinula* (s.lat.) – *Geologica Saxonica* 65/66: 44, pl. 4A fig. 12, pl. 4B fig. 12 (Fam. Valloniidae)
- Kolporetusa** Försterling, Kadolsky & Morlo, 2002 – *Courier Forschungs-Institut Senckenberg* 237: 282 (Type species: *Kolporetusa martinii* Försterling, Kadolsky & Morlo, 2002; Fam. ? Tornatinidae)
- korys** Kadolsky, 2020, *Acroloxus* – *Geologica Saxonica* 65/66: 36, pl. 2A figs 3-4, pl. 2B figs 3-4 (Fam. Acroloxidae)
- Koskinakra** Kadolsky in Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016 – *Archiv für Molluskenkunde* 145 (1): 35 (Type species: *Koskinakra thracica* Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016; Fam. Rissoidae)
- ligeriana** Kadolsky, 1973, *Littorina* (*Melarhappe*) – *Archiv für Molluskenkunde* 103 (1/3): 57, figs 27, 28, 30 (Fam. Littorinidae)
- limburgicus** Kadolsky, 2022, *Spirobranchus* – *Cenozoic Research* 22 (1): 37, figs 1-6 (Type species: *Spirobranchus limburgicus* Kadolsky, 2022; Annelida: Polychaeta, Fam. Serpulidae)
- Longosoma** Wesselingh & Kadolsky. 2006 – *Scripta Geologica* 133: 142 (nom. nov. pro *Liosoma* Conrad, 1874 non Brandt, 1835 nec Fitzinger, 1843 nec Agassiz, 1846; = *Longosoma* Wesselingh & Kadolsky in Wesselingh, 2006 nom. nov. non Hartmann, 1944 = *Wesselinghia* Kadolsky, 2021 nom. nov.; Type species: *Liosoma curtum* Conrad, 1874; Fam. Cochliopidae)
- Lorus** Kadolsky. 2021 – *Bionomina* 21: 125 (nom. nov. pro *Liris* Conrad in Woodward, 1871 non Fabricius, 1804; Type species: *Liris laqueata* Conrad in Woodward, 1871; Fam. Cochliopidae)
- Lutetiella** Kadolsky. 2014 – *Geologica Saxonica* 61 (1): 36 (Type species: *Lutetiella hartkopfi* Kadolsky, 2014; Fam. Hydrobiidae)
- Maghrebiola** Kadolsky & Hammouda in Hammouda *et al.*. 2017 – *Paläontologische Zeitschrift* 91 (1): 93 (Type species: *Clavator soltenensis* Jodot, 1938; Fam. ? Strophocheilidae)
- Mancosinodia** Kadolsky. 1989 – *Geologisches Jahrbuch A* 110: 124 (Type species: *Venus suborbicularis* Goldfuss, 1841; Fam. Veneridae)
- martinii** Försterling, Kadolsky & Morlo. 2002, *Kolporetusa* – *Courier Forschungs-Institut Senckenberg* 237: 283, figs 5a-e, pl. 1 figs 2a-d (Fam. ? Tornatinidae)
- martinii** Kadolsky, 2008, *Stadtiellopsis* – *Courier Forschungs-Institut Senckenberg* 260: 126, figs 29-31, 32, pl. 1 figs 6-10 (Fam. Emmericiidae)
- Meiopomatias** Kadolsky, 1989, *Pomatias* (*Meiopomatias*) – *Geologisches Jahrbuch A* 110: 122 (Type species: *Cyclostoma bisulcatum* Zieten, 1832; Fam. Pomatiidae)
- meizon** Kadolsky, 2008, *Martinietta* – *Courier Forschungs-Institut Senckenberg* 260: 115, figs 13-15, 16, pl. 1 figs 1-5 (Fam. Hydrobiidae)
- meridjensis** Kadolsky & Hammouda in Hammouda *et al.*, 2017, *Maghrebiola* – *Paläontologische Zeitschrift* 91 (1): 96, figs 14, 15 (Fam. ? Strophocheilidae)
- Microprososthenia** Kadolsky & Piechocki, 2000 – *Archiv für Molluskenkunde* 128 (1/2): 218 (Type species: *Microprososthenia belchatovens* Kadolsky & Piechocki, 2000; Fam. Hydrobiidae)
- moguntina** Kadolsky, 1989, *Neobembridgia* – *Beiträge zur Naturkunde in Osthessen* 24: 112 (Fam. Pomatiidae; **Note** (RJ): this taxon and the new genus name *Neobembridgia* have priority in this publication because of the delay of publication of *Geologisches Jahrbuch A* 110 until December 1989)
- monogrammica** Kadolsky, 1973, *Littorina* (*Melarhappe*) *nodulifera* – *Archiv für Molluskenkunde* 103 (1/3): 36, fig. 3 (Fam. Littorinidae)
- mordax** Bandel & Kadolsky, 1982, *Nodilittorina* (*Nodilittorina*) – *Veliger* 25 (1): 28, figs 5, 9, 37-39 (Fam. Littorinidae)
- muelleri** Kadolsky, 2014, *Atopippeutis* – *Geologica Saxonica* 61 (1): 59, fig. 1, pl. 2 figs 16-23 (Fam. Planorbidae)

- muelleri** Kadolsky, 2020, *Turricarychium* – *Geologica Saxonica* 65/66: 41, pl. 4A figs 1-3, pl. 4B figs 1-3 (Fam. Ellobiidae)
- nannacus** Kadolsky, 2008, “*Hydrobia*” – *Senckenbergiana lethaea* 88 (2): 233, figs 3-7, pl. 1 figa 1-4 (Fam. Hydrobiidae)
- nanobelone** Kadolsky, 2008, *Acicula* – *Courier Forschungs-Institut Senckenberg* 260: 107, figs 4, 5, 9a-b (Fam. Aciculidae)
- Natuna** Kadolsky, 1973, *Cirsope (Natuna)* – *Archiv für Molluskenkunde* 103 (1/3): 38 (Type species: *Lacuna ovalis* Koenen, 1885; Fam. Lacunidae)
- Neobembridgia** Kadolsky, 1989, *Pomatias (Neobembridgia)* – *Beiträge zur Naturkunde in Osthessen* 24: 112 (Type species: *Neobembridgia moguntinum* Kadolsky, 1989; Fam. Pomatiidae; **Note** (RJ): genus and type species were intended to be described first in the *Geologisches Jahrbuch A 110* but because of the delay of publication of *Geologisches Jahrbuch A 110* both taxa were used and validly introduced in this publication)
- nodulifera** Kadolsky, 1973, *Littorina (Melaraphe)* – *Archiv für Molluskenkunde* 103 (1/3): 35, figs 3-5 (Fam. Littorinidae)
- nodulifera** Kadolsky, 1973, *Littorina (Melaraphe) nodulifera* – *Archiv für Molluskenkunde* 103 (1/3): 36, fig. 5 (Fam. Littorinidae)
- oliveri** Juárez-Ruiz & Matamales-Andreu & Kadolsky, 2020, *Calculocochlea* – *Journal of Iberian Geology* 46 (2): 199, figs 2h-j, m-r, 41 (Fam. Vidaliellidae)
- omnimo** Kadolsky, 1989, *Granulolabium* – *Geologisches Jahrbuch A 110*: 121 (Fam. Batillariidae)
- Ovicarychium** Kadolsky, 2020 – *Geologica Saxonica* 65/66: 38 (Type species: *Ovicarychium ronleideri* Kadolsky, 2020; Fam. Ellobiidae)
- paradoxa** Kadolsky, 1995, *Terebralia* – *Archiv für Molluskenkunde* 124 (1/2): 18, pl. 3 figs 26?, 30, 31 (Potamididae)
- Paramusculus** Kadolsky, 1989 – *Geologisches Jahrbuch A 110*: 123 (Type species: *Modiola brauni* Cossmann & Lambert, 1884; Fam. Mytilidae)
- parva** Harzhauser, Neubauer & Kadolsky in Harzhauser *et al.*, 2015, *Pyrgulella* – *Paläontologische Zeitschrift* 90 (1): 73, fig. 5a (Fam. ? Hydrobiidae)
- peyroti** Kadolsky, 1973, *Littorina (Touzinia)* – *Archiv für Molluskenkunde* 103 (1/3): 59 (nom. nov. pro *Littorina morgani* Cossmann & Peyrot, 1918 non Douvillé, 1904; Fam. Littorinidae)
- praediezi** Kadolsky, 2008, *Acicula* – *Courier Forschungs-Institut Senckenberg* 26: 110, figs 6, 9a-g (Fam. Aciculidae)
- praepusilla** Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016, *Sphenia* – *Archiv für Molluskenkunde* 145 (1): 46, figs 83-86 (Fam. Myidae)
- pseudosturanii** Kadolsky, 2008, *Acicula* – *Courier Forschungs-Institut Senckenberg* 260: 111, figs 7, 8, 9a-g (Fam. Aciculidae)
- pygmaea** Kadolsky, 1980, *Eubora* – *Veliger* 22 (4): 371, fig. 12 (Fam. Cochliopidae)
- Pyrgulella** Harzhauser, Neubauer & Kadolsky in Harzhauser *et al.*, 2015 – *Paläontologische Zeitschrift* 90 (1): 73 (Type species: *Pyrgulella parva* Harzhauser, Neubauer & Kadolsky in Harzhauser *et al.*, 2015; Fam. Hydrobiidae)
- rhoenana** Kadolsky, 2008, *Heleobia (Eupaludestrina)* – *Courier Forschungs-Institut Senckenberg* 260: 121, figs 21-24, 26, 28, pl. 3 figs 1-6 (Fam. Cochliopidae)
- ronleideri** Kadolsky, 2020, *Ovicarychium* – *Geologica Saxonica* 65/66: 42, pl. 4A figs 8-9, pl. 4B figs 8-9 (Fam. Ellobiidae)
- rumeliana** Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016, *Vitta* – *Archiv für Molluskenkunde* 145 (1): 26, figs 4-10 (Fam. Neritidae)
- Salalahia** Kadolsky, Harzhauser & Neubauer in Harzhauser *et al.*, 2015 – *Paläontologische Zeitschrift* 90 (1): 69 (Type species: *Salalahia thaytinitiensis* Kadolsky, Harzhauser & Neubauer in Harzhauser *et al.*, 2015; Fam. ? Hydrobiidae)
- Sandbergerina** Kadolsky, 1993 – *Archiv für Molluskenkunde* 122: 382 (Type species: *Paludina succineiformis* F. Sandberger, 1862; (Fam. Truncatellidae)
- schlickumi** Kadolsky & Piechocki, 2000, *Staadtiellopsis* – *Archiv für Molluskenkunde* 128 (1/2): 225, figs 17-18, pl. 1 fig. 5 (Fam. Emmericiidae)
- Selvovum** Juárez-Ruiz & Matamales-Andreu & Kadolsky, 2020 – *Journal of Iberian Geology* 46 (2): 198 (Type species: *Ampullaria selvensis* L.M. Vidal, 1917; Fam. Vidaliellidae)
- Sengoeria** Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016 – *Archiv für Molluskenkunde* 145 (1): 30 (Type species: *Sengoeria thracica* Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016; Fam. Thiaridae)
- sigridae** Kadolsky, 1973, *Cirsope (Pseudocirsope)* – *Archiv für Molluskenkunde* 103 (1/3): 44, fig. 12 (Fam. Lacunidae)
- sororcula** Kadolsky, 1989, *Omphalosagda* – *Geologisches Jahrbuch A 110*: 123 (Fam. Archaeozonitidae)
- spoliata** Kadolsky, 1993, *Schuettemmericia* – *Archiv für Molluskenkunde* 122: 355, fig. 20 (Fam. Emmericiidae)
- Stenothyropsis** Kadolsky, 1989 – *Geologisches Jahrbuch A 110*: 120 (Type species: *Nematura elongata* Ludwig, 1865; Fam. Stenothyridae)
- steueri** Kadolsky, 1995, *Brotia lauraea* – *Archiv für Molluskenkunde* 124 (1/2): 37, pl. 4 fig. 40 (nom. nov. pro *Melania escheri* var. *tenuicostata* Steuer, 1910 non *Melania tenuicostata* Matheron, 1843; Fam. Pachychilidae)
- tengchieni** Kadolsky, 1995, *Lymnaea* – *Archiv für Molluskenkunde* 124 (1/2): 40 (nom. nov. pro *Lymnaea cretacea* Yen 1951 non *Limnaeus cretaceus* Thomä, 1845; Fam. Lymnaeidae)
- thaytinitiensis** Kadolsky, Harzhauser & Neubauer in Harzhauser *et al.*, 2015, *Salalahia* – *Paläontologische Zeitschrift* 90 (1): 70, figs 3a-d (Fam. ? Hydrobiidae)

- thracica*** Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016, *Sengoeria – Archiv für Molluskenkunde* 145 (1): 31, figs 16-23 (Fam. Thiaridae)
- thracica*** Harzhauser, Mandic, Büyükmeriç, Neubauer, Kadolsky & Landau, 2016, *Koskinakra – Archiv für Molluskenkunde* 145 (1): 38, figs 39-47, 48 (Fam. Rissoidae)
- tomeringensis*** Kadolsky, 2020, *Triptychia – Palaeodiversity* 13 (1): 14, pl. 1 figs 5-9 (Fam. Filholiidae)
- tumida*** Kadolsky & Piechocki, 2000, *Martinietta – Archiv für Molluskenkunde* 128 (1/2): 221, figs 6-12, pl. 1 fig. 3 (Fam. Hydrobiidae)
- Turricarychium*** Kadolsky, 2020 – *Geologica Saxonica* 65/66: 38 (Type species: *Turricarychium muelleri* Kadolsky, 2020; Fam. Ellobiidae)
- vagum*** Kadolsky, 2020, *Carychium – Geologica Saxonica* 65/66: 40, pl. 3A figs 4, 5, 7, 8, pl. 3B figs 4,5,7,8 (Fam. Ellobiidae)
- venusta*** Kadolsky, 2020, *Zuella – Geologica Saxonica* 65/66: 42, pl. 4A figs 10-11, pl. 4B figs 10-11 (Fam. Ellobiidae)
- vermeiji*** Bandel & Kadolsky, 1982, *Nodilittorina (Nodilittorina) – Veliger* 25 (1): 31, figs 5, 10, 46-48 (Fam. Littorinidae)
- visenoviensis*** Kadolsky, 1989, *Polymesoda (Pseudocyrena) – Geologisches Jahrbuch A* 110: 124 (Fam. Cyrenidae)
- Wesselinghia*** Kadolsky, 2021 – *Bionomina* 21: 126 (nom. nov. pro *Liosoma* Conrad, 1874 non Brandt, 1835 nec Fitzinger, 1843 nec Agassiz, 1846 and pro *Longosoma* Wesselingh & Kadolsky in Wesselingh, 2006 non Hartmann, 1944; Type species: *Liosoma curtum* Conrad, 1874; Fam. Cochliopidae)
- woodwardi*** Kadolsky, 1980, *Eubora – Veliger* 22 (4): 368, figs 6-8 (Fam. Cochliopidae)
- zilchi*** Kadolsky, 1993, *Kuiperia? – Archiv für Molluskenkunde* 122: 347, figs 6-7 (Fam. Emmericiidae)
- Zilchiola*** Kadolsky, 1993 – *Archiv für Molluskenkunde* 122: 356 (Type species: *Euchilus gracile* Sandberger 1872; Fam. Emmericiidae)
- Zuella*** Kadolsky, 2020 – *Geologica Saxonica* 65/66: 39 (Type species: *Zuella venusta* Kadolsky 2020; Fam. Ellobiidae)

APPENDIX 3. Taxa named in honour of Dietrich Kadolsky

- kadolskyi*** Reichenbacher, 2000, *Prolebias – Courier Forschungsinstitut Senckenberg* 222: 72, pl. 9 figs 1-6 (Fishes, Fam. Cyprinodontidae)
- kadolskyi*** Wesselingh, 2006, *Sioliella – Scripta Geologica*.133: 154, figs 16a, c, 17k, 193, 194 (Fam. Cochliopidae)
- kadolskyi*** Schnabel, 2007, *Triptychia (Triptychia) – Archiv für Molluskenkunde* 136 (1): 30, pl. 1 figs 10-13 (Fam. Filholiidae)
- kadolskyi*** Marquet, Lenaerts, Karnekamp & Smith, 2008, *Pomatias – Palaeontos* 12: 43, pl. 6 fig. 4 (Fam. Pomatiidae)
- kadolskyi*** Manganelli, Cianfanelli, Barbato & Benocci, 2014, *Acicula – Bollettino della Società Paleontologica Italiana* 53 (2): 5, pl. 1 figs 2-3 (Fam. Aciculidae)
- Kadolskya*** Neubauer & Harzhauser, 2016 – *Austrian Journal of Earth Sciences*. 108 (2): 38 (Type species: *Lithoglyphus panicum* Neumayr, 1869; Fam. Hydrobiidae)
- kadolskyi*** Harzhauser & Neubauer, 2018, *Martinietta – Bulletin of Geosciences* 93 (1): 79, figs 3H-K (Fam. Hydrobiidae)
- kadolskyi*** Neubauer & Harzhauser, 2023, *Helix – Archiv für Molluskenkunde* 152 (2): 153 (nom. nov. pro *Helix toulai* Kojumdjieva, 1969 non *Helix (Campylaea) toulai* Schlosser, 1907; Fam. Helicidae)