

Biographic Sketch

Till J.J. Hanebuth, Ph.D.

December 08, 2022

Associate Professor, tenured

Department of Marine Sciences (PhD program of Coastal & Marine Systems Science)
Coastal Carolina University
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Appointments

- Since 2022 Professor, Head of the Coastal Geosystems Research Lab, Dept. of Coastal and Marine System Science, Coastal Carolina University, Conway, SC, U.S.A.
- Fall 2019 Guest Investigator, Department of Marine Chemistry and Geochemistry, Woods Hole Oceanographic Institution, Woods Hole, MA, U.S.A. (2 months)
- 2018 – 2022 Tenured Associate Professor, Head of the Coastal Geosystems Research Lab, Dept. of Coastal and Marine System Science, Coastal Carolina University, Conway, SC, U.S.A.
- 2015 – 2018 Affiliated Scientist, MARUM – Center for Marine Environmental Sciences, University of Bremen, Germany
- 2014 – 2018 Associate Professor, Head of the Coastal Geosystems Research Lab, School of Coastal and Marine System Science, Coastal Carolina University, Conway, SC, U.S.A.
- 2013 – 2014 Guest Investigator, Coastal Systems Group, Dept. of Geology and Geophysics, Woods Hole Oceanographic Institution, Woods Hole, MA, U.S.A. (13 months)
- 2010 – 2014 DFG Heisenberg Fellow, Head of the Marine Sedimentation Systems Group, MARUM – Center for Marine Environmental Sciences, University of Bremen, Germany
- 2008 – 2010 Senior Scientist, Sedimentology/Palaeoceanography Group, Faculty of Geosciences, University of Bremen, Germany
- 2002 – 2008 Assistant Professor (*Wissenschaftlicher Assistent*), Sedimentology/Palaeoceanography Group, Faculty of Geosciences, University of Bremen, Germany
- 2001 – 2002 A.v.Humboldt Fellow (Feodor-Lynen/STA), Urban and Coastal Geology Group, Geological Survey of Japan, Tsukuba, Japan (18 months)
- 2000 – 2001 DFG-Graduate School Dynamics of Global Cycles within the System Earth, GEOMAR, Kiel, Germany (8 months)

Professional Preparation

Ph.D. (D.Sc.)	Chr.-Albrechts-University Kiel, Germany	Geology-Paleontology	1996-2000
M.Sc.	Philipps-University Marburg, Germany	Geology-Paleontology	1993-1996
B.Sc.	University of Hamburg, Germany	Geology-Paleontology	1990-1993

Pre-Academic Preparation

Military service	Radio operator, German Navy	1988-1990
Abitur	Gelehrtenschule des Johanneums, Hamburg, Germany	1988

Career Achievement and Expertise in Brief

Scientific Interests	Geology, Sedimentology, Geochemistry, Paleoceanography, Stratigraphy. Sediment- and hydrodynamic processes in river, coast, continental shelf and slope systems; Environmental control on sediment dynamics: climate, oceanography, sea level, coastal dynamics; Human impact: coastal modifications, contamination, bottom trawling
Publications	95 international peer-reviewed articles; H-index: 34 (Google Scholar)
Teaching	Since 2002; Bachelor, Master's, and PhD levels Diversity of courses around coastal and marine geological topics and issues; various field trainings (Alps, Denmark, central Germany; coastal Carolinas, Appalachian Mountains/Cumberland Plateau, U.S. east coast)
Thesis Supervision	10 PhD, 16 Diploma/Master's, 12 Bachelor students (in Germany) 2 PhD, 7 Master's, 6 Bachelor students (in the U.S.)
Interdisciplinary Lab	Collaboration with seismo-acoustics, oceanography and hydrodynamics, inorganic/isotopic/organic geochemistry, palaeoceanography, palaeoclimatology, archaeology, geomagnetics, micro-palaeontology and ecology
Int'l Research Cruises	14 extended ship expeditions, 5 of these as PI (South China Sea, NW Spain, Mauritania, Uruguay/Argentina, Brazil, Barents Sea)
Int'l Field Expeditions	5 extended land expeditions, 3 of these as PI (Vietnam, Bangladesh)
Int'l Cooperation	<i>Europe:</i> Uni Vigo, Uni Barcelona, OGS/Trieste, Uni Poznan, Uni Granada, Geol. Survey of Spain/Madrid, Uni Cologne, IFREMER/Brest, Uni Kiel, GEOMAR/Kiel, AWI/Bremerhaven, MARUM/Uni Bremen, HZG/Geesthacht <i>N America:</i> Wood Hole Oceanographic Institution, USGS (San Diego/CA), SC State Geological Survey, Uni North Carolina Wilmington/NC, Uni South Carolina/SC, California Polytechnical/CA, Skidaway/GA <i>S America:</i> Federal University of Parana/Curitiba, Uni Sao Paulo, Uni Montevideo/Rocha, Hydrographic Survey Buenos Aires <i>Asia:</i> Geological Survey of Japan/Tsukuba, Uni Tokyo, Nat'l Uni Taiwan, Vietnamese Acad. Science and Tech., Geol. Survey Bangladesh, Uni Dhaka
Current Res. projects	GEORGETOWN SILTING – <i>Feasibility study addressing the chronic silting and contamination issues around Georgetown harbor and Sampit River</i> NFS RAPID Florence – <i>Collaborative Research: Sediment and pollutant mobilization by extreme flooding associated with Hurricane Florence</i> CAROLINA-RISE – <i>Relative sea level history and subsidence in central South Carolina</i> GALIOMAR & CADISED – <i>Sediment structures and critical ocean interfaces on the Galician margin & the Gulf of Cadiz (Iberian Peninsula)</i> ARGENTINE SLOPE – <i>Interaction of topography and bottom currents in a major contouritic system</i> SUNDARBANS – <i>Sea level and subsidence estimates for SW' coastal Bangladesh</i>
Current CCU Boards	President's Council of Sustainability and Coastal Resilience Graduate Council QEP Writing Committee (SACS)

Current Ext. Boards	<p>SC Floodwater Commission (Governor H. McMaster)</p> <p>SC State Mapping Advisory Board (Department of Natural Resources)</p> <p>Regional Sediment Management Group (US Army Corps of Engineers)</p> <p>Scientific advisor for mayor & administrators (Georgetown City & County)</p> <p>UN Regional Center for Sustainable Education (United Nations)</p> <p>SC Maritime Museum, Georgetown</p> <p>Honors College sustainability advisory board (Coastal Carolina University)</p>
Editorial Boards	<p>Journal of Sedimentary Environments (JSE)</p> <p>Progress in Earth and Planetary Science (PEPS)</p>
Memberships	<p>American Geophysical Union (AGU), Geological Society of America (GSA), International Association of Sedimentologists (IAS), Carolinas Geological Society (CGS), SEPM, Deutscher Hochschullehrer-Verband (DHV), Programa de Desarrollo de las Ciencias Básicas (Pediciba)</p>
Most cited publ's	<p>TJJ Hanebuth, K Stattegger, PM Grootes (2000). Rapid flooding of the Sunda Shelf: a late-glacial sea-level record. <i>Science</i> 288, 1033-1035.</p> <p>TJJ Hanebuth, HK Voris, Y Yokoyama, Y Saito, J Okuno (2011). Formation and fate of sedimentary depocentres on Southeast Asia's Sunda Shelf over the past sea-level cycle and biogeographic implications. <i>Earth-Science Reviews</i> 104 (1-3), 92-110.</p> <p>TJJ Hanebuth, K Stattegger, A Bojanowski (2009). Termination of the Last Glacial Maximum sea-level lowstand: The Sunda-Shelf data revisited. <i>Global and Planetary Change</i> 66 (1-2), 76-84.</p>

List of Peer-Review Publications

Dec 08, 2022

Submitted

1. Shaw TA, Ng T, Li T, Chua S, Majewski J, Nathan Y, Garner G, Cahill N, Kopp R, **Hanebuth TJJ**, Switzer A, Horton BP. Geological Perspectives of Future Sea Levels in Singapore. *Nature Communications*.
1. Long JH, **Hanebuth TJJ**, Durica JT, Hawkes A. Late Holocene stratigraphy and facies distributions within an anthropogenically modified delta plain (Santee Delta, SC, U.S.A.). *The Holocene*.

Published

2022

1. Kudrass HR, **Hanebuth TJJ**, Zander AM, Linstädter J, Akther HS, Showrup UM (2022) Architecture and function of salt-producing kilns from the 8th to 18th century in the coastal Sundarbans mangrove forest, Central Ganges-Brahmaputra Delta, Bangladesh. *Archaeological Research in Asia* 32, 100412. 10.1016/j.ara.2022.100412.
2. **Hanebuth TJJ**, Kudrass HR, Zander AM, Akther HS, Neumann-Denzau G, Zahid A (2022) Stepwise, earthquake-driven coastal subsidence in southwestern Bangladesh (Sundarbans) since the eighth century deduced from submerged in situ kiln remnants and mangrove stumps. *Natural Hazards* 111, 163-190. 10.1007/s11069-021-05048-2.

2021

3. Shen Z, Conway N, **Hanebuth TJJ** (2021) A novel binary pipette splitting sediment subsampling method for improving reproducibility in laser-diffraction particle-size analysis. *MethodX* 101493. 10.1016/j.mex.2021.101493
4. Long JH, **Hanebuth TJJ**, Clark A, Wehmiller J (2021) Depositional Environments and Stratigraphy of Quaternary Paleochannel Systems Offshore of the Georgia Bight, Southeastern USA. *Journal of Coastal Research* 37 (5), 883-905. 10.2112/JCOASTRES-D-20-00088.1.
5. **Hanebuth TJJ**, King ML, Lobo FJ, Mendes I (2021) Formation history and material budget of Holocene shelf mud depocenters in the Gulf of Cadiz. *Sedimentary Geology* 421, 105956. 10.1016/j.sedgeo.2021.105956.
6. Porz L, Zhang W, **Hanebuth TJJ**, Schramm C (2021) Physical processes controlling mud depocenter development on continental shelves – Geological, oceanographic, and modeling concepts. *Marine Geology* 432, 106402. 10.1016/j.margeo.2020.106402.

2020

7. Long JH, **Hanebuth TJJ**, Lüdmann T (2020) The Quaternary stratigraphic architecture of a low-accommodation, passive-margin continental shelf (Santee Delta region, South Carolina, U.S.A.). *Journal of Sedimentary Research* 90, 1549-1571. 0.2110/jsr.2020.006.
8. Bozzano G, Ceredo ME, Remesal M, Steinmann L, **Hanebuth TJJ**, Baqués M, Schwenk T, Spoltore D, Spiess V, Acevedo RD, Violante R, Kasten S (2020) Dropstones in the Mar del Plata Canyon area (SW Atlantic): Evidence for provenance, transport, distribution, and oceanographic implications. *Geochemistry, Geophysics, Geosystems (G³)*, GGGE22403. 10.1029/2020GC009333.
9. Mendes I, Lobo FJ, **Hanebuth TJJ**, López-Quirós A, Schönfeld J, Lebreiro S, Reguera MI, Antón L, Ferreira Ó (2020) Temporal variability of flooding events of Guadiana River (Iberian Peninsula) during the middle to late Holocene: Imprints in the shallow-marine sediment record. *Palaeogeography, Palaeoclimatology, Palaeoecology* 556, 109900. 10.1016/j.palaeo.2020.109900.

2019

10. **Hanebuth** TJJ, Bender VB, Nagai, RH (2019) Sediment export dynamics reflecting the Holocene hydrodynamic variability of a high-energy continental shelf system (Southeastern South America). *Journal of Sedimentary Environments* 4 (3), 312-331. 10.12957/jse.2019.45616.
11. Zhang W, Didenkulova I, Kurkina O, Cui Y, **Hanebuth** TJJ, Haberkern J, Santos AI, Aepfler R (2019) Internal solitary waves control offshore extension of mud depocenters on the NW Iberian shelf. *Marine Geology* 409, 15-30. 10.1016/j.margeo.2018.12.008.
12. Petrovic A, Lantzsch H, Schwenk T, Marquardt J, Titschack J, **Hanebuth** TJJ (2019) Post-LGM upward shift of the Mediterranean Outflow Water recorded in a contourite drift off NW Spain. *Marine Geology* 407, 334-349. 10.1016/j.margeo.2018.11.015.

2018

13. Mourelle D, Pérez L, **Hanebuth** TJJ, Lantzsch H, García-Rodríguez F (2018) Oceanographic changes over the past millennium reconstructed from a palynological record off Uruguay. *Journal of Sedimentary Environments* 3 (4), 234-252. 10.12957/jse.2018.39141.
14. Pérez L, Crisci C, **Hanebuth** TJJ, Lantzsch H, Perera G, Pérez A, Fornaro L, García-Rodríguez F (2018) Climatic oscillations modulating the Late Holocene fluvial discharge and terrigenous material supply of the Río de la Plata into the Southwestern Atlantic Ocean. *Journal of Sedimentary Environments* 3 (4), 205-219. 10.12957/jse.2018.38983.
15. **Hanebuth** TJJ, King ML, Mendes I, Lebreiro S, Lobo FJ, Oberle FK, Antón L, Ferreira PA, Reguera MI (2018) Hazard potential of widespread but hidden historic offshore heavy metal (Pb, Zn) contamination (Gulf of Cadiz, Spain). *Science of the Total Environment* 637-638, 561-576. 10.1016/j.scitotenv.2018.04.352.
16. Mena A, Francés G, Pérez-Arlucea M, **Hanebuth** TJJ, Bender VB, Nombela MÁ (2018) Evolution of the Galicia Interior Basin over the last 60 ka: Sedimentary processes and palaeoceanographic implications. *Journal of Quaternary Science* 33(5), 536-549. 10.1002/jqs.3032.
17. Caricchi C, Lucchi RG, Sagnotti L, Macrì P, Morigi C, Melis R, Caffau M, Rebesco M, **Hanebuth** TJJ (2018) Paleomagnetism and rock magnetism in sediments along a continental shelf-to-slope transect in the NW Barents Sea: implications for geomagnetic and depositional changes during the past 15 thousand years. *Global and Planetary Change* 160, 10-27. 10.1016/j.gloplacha.2017.11.007.

2017

18. Lantzsch H, **Hanebuth** TJJ, Horry J, Grave M, Rebesco M, Schwenk T (2017) Deglacial to Holocene history of ice-sheet retreat and bottom current strength on the western Barents Sea. *Quaternary Science Reviews* 173, 40-57. 10.1016/j.quascirev.2017.08.016.
19. Mahiques MM, **Hanebuth** TJJ, Nagai RN, Bicego MC, Figueira RCL, Sousa SHM, Burone L, Franco-Fraguas P, Taniguchi S, Salaroli AB, Dias GP, Prates DM, Freitas MEF (2017) Inorganic and organic geochemical fingerprinting of sediment sources and ocean circulation on a complex continental margin (São Paulo Bight, Brazil). *Ocean Science* 13, 209-222. 10.5194/os-13-209-2017.
20. Perez L, García-Rodríguez F, **Hanebuth** TJJ (2017) Paleosalinity changes in the Río de la Plata estuary and on adjacent Uruguayan continental shelf during the past 1,200 cal ka BP: an approach using diatoms as proxy. In: Weckström K, Saunders K, Gell P, Skilbeck G (eds) "Applications of paleoenvironmental techniques in estuarine studies". *Developments in Paleoenvironmental Research* 20, 529-549. ISBN: 978-94-024-0990-1. **Book chapter**.

2016

21. Rebesco M, Urgeles R, Özmaral A, and the CORIBAR team: **Hanebuth** TJJ, Caburlotto A, Hörner T, Lantzsch H, Llopart J, Lucchi RG, Nicolaisen LS, Osti G, Sabbatini A (2016) Grounding Zone Wedges, Kveithola Trough (NW' Barents Sea). In: Dowdeswell JA, Canals M, Jakobsson M, Todd BJ, Dowdeswell

- EK, Hogan KA (eds) "Atlas of Submarine Glacial Landforms". *Geological Society of London Memoirs* 46, 231-232. 10.1144/M46.32, ISBN 9781786202680. **Book chapter.**
22. Zecchin M, Rebesco M, Lucchi RG, Caffau M, Lantzsch H, **Hanebuth TJJ (2016)** Buried iceberg-keel scouring features in the southern Spitsbergenbanken, NW Barents Sea. *Marine Geology* 382, 68-79. 10.1016/j.margeo.2016.10.005.
23. **Hanebuth TJJ**, Lantzsch H, García-Rodríguez F, Perez Becona L (2016) Currents controlling sedimentation: paleo-hydrodynamic variability inferred from the continental-shelf system off SE South America (Uruguay). In: Muniz P, Conde D, Venturini N, Brugnoli E (eds) "Ciencias Marino Costeras en el Umbral del Siglo XXI: Desafíos en Latinoamérica y el Caribe (XV COLACMAR)", 1-34 (in Spanish). **Book chapter.**
24. Rebesco M, Özmaral A, Urgeles R, Accettella D, Lucchi RG, Rütther D, Winsborrow M, Llopart J, Caburlotto A, Lantzsch H, **Hanebuth TJJ (2016)** Evolution of a high-latitude sediment drift inside a glacially-carved trough based on high-resolution seismic stratigraphy (Kveithola, NW Barents Sea). In: PAST Gateways (Palaeo-Arctic Spatial and Temporal Gateways), Ó Cofaigh C, Briner JP, Kirchner N, Lucchi RG and Meyer H (eds). *Quaternary Science Reviews* 147, 178-193. 10.1016/j.quascirev.2016.02.007.
25. Löwemark LA, Chao WS, Gyllencreutz R, **Hanebuth TJJ**, Chiu PY, Yang TN, Su CC, Chuang CK, León Dominguez DC, Jakobsson M (2016) Variations in glacial and interglacial marine conditions over the last two glacial cycles off northern Greenland. In: PAST Gateways (Palaeo-Arctic Spatial and Temporal Gateways), Ó Cofaigh C, Briner JP, Kirchner N, Lucchi RG and Meyer H (eds). *Quaternary Science Reviews* 147, 164-177. 10.1016/j.quascirev.2015.10.035.
26. Zhang W, Cui Y, Santos A, **Hanebuth TJJ (2016)** Storm-driven bottom sediment transport on a high-energy narrow shelf (NW Iberia) and development of mud depocenters. *Journal of Geophysical Research – Oceans* 121(8), 5751-5772. 10.1002/2015JC011526.
27. Hernández-Molina FJ, Wåhlin A, Bruno M, Ercilla G, Llave E, Serra N, Roson G, Puig P, Rebesco M, Van Rooij D, Roque D, González-Pola C, Sanchéz F, Gómez F, Preu B, Schwenk T, **Hanebuth TJJ**, Sánchez Leal RF, García-Lafuente J, Brackenridge RE, Juan C, Stow DAV, Sánchez-González JM (2016) Oceanographic processes and products around the Iberian margin: a new multidisciplinary approach. In: Van Rooij D, Campbell C, Rueggeberg A, Wåhlin A (eds) "The contourite log-book: significance for palaeoceanography, ecosystems and slope instability". *Marine Geology* 378, 127-156. 10.1016/j.margeo.2015.12.008.
28. Zhang W, **Hanebuth TJJ**, Stöber U (2016) Short-term sediment dynamics on a meso-scale contourite drift (off NW Iberia): impacts of multi-scale oceanographic processes deduced from the analysis of mooring data and numerical modelling. In: Van Rooij D, Campbell C, Rueggeberg A, Wåhlin A (eds) "The contourite log-book: significance for palaeoceanography, ecosystems and slope instability". *Marine Geology* 378, 81-100. 10.1016/j.margeo.2015.12.006.
29. Oberle FKJ, Storlazzi CD, **Hanebuth TJJ (2016)** What a drag: Quantifying the global impact of chronic bottom trawling on continental shelf sediment. *Journal of Marine Sciences* 159, 109-119. 10.1016/j.jmarsys.2015.12.007.
30. Oberle FKJ, Swarzenski P, Reddy C, Nelson B, Baasch B, **Hanebuth TJJ (2016)** Deciphering the lithological consequences of bottom trawling to sedimentary habitats on the shelf. *Journal of Marine Sciences* 159, 120-131. 10.1016/j.jmarsys.2015.12.008.
31. de Mahiques MM, **Hanebuth TJJ**, Martins CC, Montoya-Montes I, Alcántara-Carrío J, Figueria RCL, Bicego MC (2016) Mud depocenters on the continental shelf – a neglected sink for anthropogenic contaminants released in the coastal zone. *Environmental Earth Sciences* 75, 44. 10.1007/s12665-015-4782-z.
32. Perez L, García-Rodríguez F, **Hanebuth TJJ (2016)** Variability in terrigenous sediment supply offshore of the Rio de la Plata (Uruguay) recording the continental climatic history over the past 1200 years. *Climate of the Past* 12, 623-634. 10.5194/cp-12-1-2016.

2015

33. **Hanebuth** TJJ, Lantzsch H, Nizou J (2015) Mud depocenters on continental shelves – appearance, initiation times, and growth dynamics. *Geo-Marine Letters* 35 (6), 487-503. 10.1007/s00367-015-0422-6.
34. Hernández-Molina FJ, Wåhlin A, Bruno M, Ercilla G, Llave E, Serra N, Roson G, Puig P, Rebesco M, Van Rooi D, Roque D, González-Pola C, Sanchéz F, Gómez F, Preu B, Schwenk T, **Hanebuth** TJJ, Sánchez Leal RF, García-Lafuente J, Brackenridge RE, Juan C, Stow DAV, Sánchez-González JM (2015) Oceanographic processes and products around the Iberian margin: a new multidisciplinary approach. In: “Geological processes at the Iberian Continental Margin”. *Boletín Geológico & Minero* 126 (2-3), 279-326. ISSN 0366-0176.
35. Zhang W, Schneider R, Kolb J, Teichmann T, Dudzinska-Nowak J, Harff J, **Hanebuth** TJJ (2015) Land–sea interaction and morphogenesis of coastal foredunes — A modeling case study from the southern Baltic Sea coast. *Coastal Engineering* 99, 148-166. 10.1016/j.coastaleng.2015.03.005.
36. **Hanebuth** TJJ, Zhang W, Hofmann AL, Löwemark LA, Schwenk T (2015) Oceanic density fronts steering bottom-current induced sedimentation deduced from a 50-ka contourite drift record and numerical modelling (off NW Spain). *Quaternary Science Reviews* 112, 207-225. 10.1016/j.quascirev.2015.01.027.
37. Marrero A, Tudurí A, Pérez L, Cuña C, Muniz P, Figueira RCL, de Mahiques MM, Pittauerova D, **Hanebuth** TJJ, García-Rodríguez F (2015) Historical changes in terrigenous river supply from the Rio de la Plata basin to the inner shelf of Uruguay (in Spanish). *Latin American Journal of Sedimentology and Basin Analysis* 21 (2), 166-179. ISSN 1851-4979.

2014

38. Oberle F, Storlazzi C, **Hanebuth** TJJ (2014) Wave-driven sediment mobilization on a storm-controlled continental shelf (Northwest Iberia). *Journal of Marine Sciences* 139, 362-372. 10.1016/j.jmarsys.2014.07.018.
39. Ai F, Preu B, **Hanebuth** TJJ, Krastel-Gudegast S, Strasser M, Kopf A (2014) New constraints on oceanographic vs. seismic control on submarine landslide initiation: a geotechnical approach off Uruguay and northern Argentina. *Geo-Marine Letters* 34, 399-417. 10.1007/s00367-014-0373-3.
40. **Hanebuth** TJJ, Rebesco M, Urgeles U, Lucchi RG, Freudenthal T (2014). Drilling Glacial Deposits in Off-shore Polar Regions. *EOS* 95 (31), 277-278.
41. Lantzsch H, **Hanebuth** TJJ, Chiessi CM, Schwenk T, Violante R (2014) A high-supply sedimentary system controlled by strong hydrodynamic conditions (the continental margin off the Plata Estuary during the late Quaternary). *Quaternary Research* 81, 339-354. 10.1016/j.yqres.2014.01.003.
42. **Hanebuth** TJJ, Kudrass, HR (2014) Historische Salzsiedeöfen und Wurzelhorizonte als Anzeiger für ein rapides Absinken der Küste von Bangladesch. *Spektrum der Wissenschaft*, März, 12-14.
43. Oberle FKJ, **Hanebuth** TJJ, Baasch B, Schwenk T (2014) Volumetric budget calculation of sediment and carbon storage and export for a late Holocene mid-shelf mudbelt system (NW Iberia). *Continental Shelf Research* 76, 12-24. 10.1016/j.csr.2013.12.012.
44. Krastel S, Lehr J, Winkelmann D, Schwenk T, Preu B, Strasser M, Wynn RB, Georgiopoulou A, **Hanebuth** TJJ (2014) Mass wasting along Atlantic continental margins: a comparison between NW-Africa and the de la Plata River region (northern Argentina and Uruguay). In: Krastel S, Behrmann JH, Völker D, Stipp M, Berndt C, Urgeles R, Chaytor J, Huhn K, Strasser M, Harbitz CB et al (eds) “Submarine mass movements and their consequences”. *Advances in Natural and Technological Hazard Research* 37, 459-469. ISBN 978-3-319-00971-1.

2013

45. Szcuzciński W, Jagodziński R, **Hanebuth** TJJ, Stattegger K, Wetzel, A., Mitreğa M, Unverricht D, Phung Van Phach (2013) Modern sedimentation and sediment dispersal pattern on the continental shelf off the Mekong River delta, South China Sea. *Global and Planetary Change* 110, 195-213. 10.1016/j.gloplacha.2013.08.019.

46. **Hanebuth** TJJ, Mersmeyer H, Kudrass, HR, Westphal H (2013) Aeolian to shallow-marine shelf architecture off a major desert since the Late Pleistocene (Northern Mauritania). *Geomorphology* 203, 132-147. 10.1016/j.geomorph.2013.08.031.
47. Preu B, Schwenk T, Hernández-Molina FJ, Strasser M, Huppertz T, **Hanebuth** T, Violante R, Krastel-Gudegast S, Henrich R, Lindhorst K, Meyer M, Spiess V (2013) Interaction between a contourite depositional system and the Mar del Plata canyon off Argentina and Uruguay. *Geo-Temas* 11, 139-140.
48. Bender VB, **Hanebuth** TJJ, Chiessi CM (2013) Holocene shifts of the Subtropical Shelf Front off southeastern South America controlled by high and low latitude forcing. *Paleoceanography* 28, 1-10. 10.1002/palo.20044.
49. **Hanebuth** TJJ, Kudrass HR, Linstädter J, Islam B, Zander AM (2013) Rapid coastal subsidence in the central Ganges-Brahmaputra Delta (Bangladesh) since the 17th century deduced from submerged salt-producing kilns. *Geology* 41 (9), 987-990. 10.1130/G34646.1.
50. Voigt I, Henrich R, Preu B, Piola AR, **Hanebuth** TJJ, Schwenk T, Chiessi CM (2013) A submarine canyon as climatic archive – Interaction of the Antarctic Intermediate Water with the Mar del Plata Canyon (Southwest Atlantic). *Marine Geology* 341, 46-57. 10.1016/j.margeo.2013.05.002.

2012

51. Löwemark L, O'Regan M, **Hanebuth** TJJ, Jakobsson M (2012) Late Quaternary spatial and temporal variability in Arctic deep-sea bioturbation and its relation to Mn cycles. *Palaeogeography, Palaeoclimatology, Palaeoecology* 365-366, 192-208. 10.1016/j.palaeo.2012.09.028.
52. Wilhelms-Dick D, Westerhold T, Röhl U, Vogt C, **Hanebuth** TJJ, Römmermann R, Kriews M, Kasten S (2012) A comparison of mm scale resolution techniques for element analysis in sediment cores. *Journal of Analytical Atomic Spectrometry* 9, 1574-1584. 10.1039/C2JA30148B.
53. **Hanebuth** TJJ, Proske U, Saito Y, Nguyen VL, Ta, TKO (2012). Early growth stage of a large delta – transformation from estuarine-platform to deltaic-progradational conditions (the northeastern Mekong River Delta, Vietnam). *Sedimentary Geology* 261-262, 108-119. 10.1016/j.sedgeo.2012.03.014.
54. Bender VB, **Hanebuth** TJJ, Mena A, Baumann KH, Frances G, v Dobeneck T (2012) Control of sediment supply, palaeoceanography and morphology on late Quaternary sediment dynamics at the Galician continental slope. *Geo-Marine Letters* 32 (1), 313-335. 10.1007/s00367-012-0282-2.
55. Henkel S, Schwenk T, **Hanebuth** TJJ, Strasser M, Riedinger N, Formolo M, Arnold GL, Tomasini J, Krastel S, Kasten S (2012) Pore water geochemistry as a tool for identifying and dating mass-transport deposits. In: Yamada Y, Kawamura K, Ikehara K, Ogawa Y, Urgeles R, Mosher D, Chaytor J, Strasser M (eds) "Submarine Mass Movements and Their Consequences". *Advances in Natural and Technological Hazards Research* 31, 87-97. Springer, Dordrecht. ISBN 978-94-007-2161-6. **Book chapter.**

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