

## **Kakhaber Bilashvili**



Associated Professor

Department of Hydrology, Oceanology and Meteorology

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### **Education**

- Hydrology, Speciality: Land Hydrology, TSU, 1967
- PhD, Speciality: Hydraulic structures and engineering hydrology, VODGEO, Moscow, 1982
- Teacher of English Language, Ilia Chavchavadze Tbilisi Pedagogical Institute of Foreign Languages, 1983

### **Teaching Courses:**

Regional Oceanography; Integrated Coastal Zone Management; Oceanography of semi-enclosed and shelf seas; Operational Oceanography; Marine ecology.

### **Research Interests**

Marine ecology, Coastal processes, Oceanography, Climate change impact, Oceanographic data management, Monitoring of marine environment.

### **Total number of projects – 21 ( 1997 -2017)**

#### **Ongoing Projects:**

- “SeaDataCloud” - Further developing the pan-European infrastructure for marine and ocean data management, Grant # 730960, “Horizon2020”, Team Leader, 2016-2019
- “EMBLAS II” – Improving Environmental Monitoring in the Black Sea, Phase 2 - UNDP/EU, project # 88460, Team Leader, 2015-2018
- Sea Basin Checkpoints – EU, Team Leader, grant # SI2.709436, 2015-2018;
- EMODNet 3 EU Tender EASME - lot.4, Team Leader, 2016 - 2019
- EMODnet Data Ingestion - EU tender EASME/EMFF/2015/011, Team Leader, 2016 - 2020

### Selected Publications:

1. Bilashvili K.A. An Analysis of the Formation and Development of Avalanches on Submarine Slopes. Intern. Journ., of Sedimentary Petrology, v.48, #1, March, p.p.281-284, 1978, USA.
2. K.Bilashvili, H.Karl, R.Bernkopf. "To the problem of the effective inclusion of science into policy with particular application to post socialist countries (with the Geological Survey of USA)". Proceed. of International Conference "Oceanography of Mediterranean and Black Sea", February 1999, Athens, Greece, p.p.400-402.
3. Bilashvili, K. et.al. "The Black Sea – New Challenges: Complex socio-economic and ecological problems and solutions". Currents, Autumn 1999, ORF, San Francisco, USA, p.11-14
4. Bilashvili K. A., Savaneli Z.," Stability conditions of accumulative forms of sediments on submarine slopes". In Book, paper: Submarine mass movement and their consequences, International Conference, Kluwer Publications., Nice, France, 2003, p.21-27
5. Buachidze N., Bilashvili K. et.al. „Research of pollution by oil products and destruction dynamics of oil contamination by microorganisms in the coastal zone of the Black Sea, Georgia“, Paper: in the book „Problems of Ecology“, v. IV, TEMPUS, Tbilisi Technical University, 2006, pp. 155-163.
6. Metreveli G.S. Bilashvili K.A., Kunchulia Sh.I., Dr. Metreveli M.G. "Global Warming – Present Fluctuation And Current Eustazy." Intern. peer- reviewed Journ. "World Resource Review",v.18, No.4, Miami, USA, 2006, p.677- 685 .
7. C. Maillard (1) and SeaDataNet Consortium. „SeaDataNet – a pan-european infrastructure for ocean and marine data management“, Geophysical Research Abstracts, Vol. 9, 04638, European Geosciences Union 2007, <http://meetings.copernicus.org/egu2007/>
8. Metreveli G. S., Bilashvili K. A., Kunchulia Sh. I., Dr. Metreveli M. G. „Global Warming – Present Fluctuation And Current Eustazy“, Intern. peer- reviewed Journ. „World Resource Review“, v. 18, No. 4, Miami, USA, 2006, p. 677- 685.
9. Kakhaber Bilashvili, Grigol Ruso, Nana Megreli and Zurab Savaneli. „Dynamics of the Deltaic Canyon Area of the Rv. Chorokhi, Georgia“, In Book: „Submarine mass movements and their consequences“ (3rd Int. Symposium), Springer Publ., vol. 27, pp. 251-258, 2007, <http://www.ncmr.gr/submarinemove2007/>),
10. Kakhaber Bilashvili, Zurab Savaneli, Tornike Razmadze. „Creation of E-Catalog of Oceanographic Data in Georgia“, International Conference On Marine Data and Information Systems- IMDIS 2008. Athens (Greece) March 31 - April 2, 2008, <http://hnodc.hcmr.gr/imdis-2008/presentations.htm>, <http://hnodc.hcmr.gr/imdis-2008/conference.htm>, [www.seadatanet.org](http://www.seadatanet.org)
11. Maillard C., Bilashvili K. „SeaDataNet Consortium SeaDataNet – a pan-european infrastructure for ocean and marine data management“, Proc. of EGU General Assembly, Vienna, 2007, <http://meetings.copernicus.org/egu2008/>
12. Anagnostou, Ch., Akoumianaki I., Bilashvili, K., Bologna, A., Kaberi, E., Karageorgis, A., Kholeif, S., Krasakopoulou, E., Shapiro, G. & Papathanassiou E. The natural capacity of the seafloor of the Mediterranean Sea and the Black Sea to absorb and store atmospheric CO2. Proc. of SESAME's 2nd Scientific Workshop, Villefranche, France, 2009.
13. Bilashvili K, Elizbarashvili M, Tsivtsivadze N " Marine ecology" Textbook, TSU, 2009
14. Eliso Kvavadze, Kakha Bilashvili. THE CLIMATIC OPTIMA ASSESSED USING SEDIMENTS OF THE BLACK SEA. Proc. of CIESM 39th Congress, Venice, 2010.
15. KVAVADZE E., BILASHVILI K. PALYNOLOGICAL INVESTIGATION OF MARINE, LAGOON AND OTHER SEDIMENTS FROM THE BLACK SEA AREA IN GEORGIA. Proc. Georgian Acad. Sci., Biol. Ser. B Vol. 8, No. 3-4, 2010, pp. 58-71.

16. V. Trapaidze, K. Bilashvili, D. Kereselidze, G. Bregvadze. Natural and Anthropogenic Consequences of the Relation between the Black Sea and Lake Paliastomi, Georgia. 10th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2010, Bulgaria, 2010.
17. Bilashvili K., Kekelidze N., Jakhutashvili T., Tulashvili E. Quality control of sampling and measurements at field researches. Abstract Book, International Marine Data and Information Systems conference - IMDIS 2010, Paris, 29-31 march, 2010.
18. David Castilla Espino Juan José García del Hoyo Maya (Spain), Maia Metreveli, Kakhaber Bilashvili (Georgia). Fishing Capacity of Georgian anchovy fishery. Proc. of IIFET 2010 Conference, Montpellie, France, 2010.
19. Grigolia G. Bilashvili K, Kereselidze D, Trapaidze V, Bregvadze G, Savaneli Z 'ASSESSMENT OF THE FLOODING IN THE BLACK SEA COASTAL AREA OF WESTERN GEORGIA - JOURNAL OF ENVIRONMENTAL PROTECTION AND ECOLOGY (JEPE) vol.11.# 4, 2010.
20. Kereselidze D. Bilashvili K, Trapaidze V, Bregvadze G, General oceanography, part I hydrology of the Seas and oceans, Textbook, TSU, 2012.
21. David Castilla Espino Juan José García del Hoyo Maya (Spain), Maia Metreveli, Kakhaber Bilashvili (Georgia). Fishing Capacity of Georgian anchovy fishery. Journal of Marine Systems, Volume 135, July 2014, Pages 160–169.
22. D. Kereselidze, K. Bilashvili, V. Trapaidze. Evaluation of the hydrochemical elements of the water quality in the water reservoirs by using Johnson  $S_B$  distribution. Proc. of 14th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2014, Bulgaria, 2014.
23. Prof. Giorgi Metreveli, Dr. Kakhaber Bilashvili, Dr. Nodar Tsvitivadze, Dr. Marine Goginava, Dr. Rusudan Diasamidze, Dr. Mavile Beridze. Modern approach for determination of absolute climate eustasy. Proc. of 14th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2014, Bulgaria, 2014.
24. M. Golumbeanu, M. Nenciu, M. Teohareva [...] N. Goriup, A. Gilca, K. Bilashvili. ENVIRONMENTAL SUSTAINABLE TOURISM WITHIN THE BLACK SEA REGION Journal of environmental protection and ecology 01/2014; 15(2):574-579.
25. Prof. Dr. Davit Kereselidze, Assoc. Prof. Dr. Kakhaber Bilashvili, Assoc. Prof. Dr. Vazha Trapaidze. ASSESSMENT OF RIVER BANK'S VULNERABILITY BY MATHEMATICAL MODELS. Proc. of 15th International Multidisciplinary Scientific Geo-Conference & EXPO - SGEM 2015, Bulgaria, 2015.
26. Eliso Kvavadze, Kakhaber Bilashvili. Identification of Anthropological Landscapes and Human Activity in Georgia in Correlation with Holocene Black Sea Level Fluctuations, Earth Sciences Volume 4, Issue 5, September 2015, Pages: 120-129, Published: Sep. 17, 2015, <http://www.sciencepublishinggroup.com>
27. Gvakharia V, Bilashvili K, Machitadze N, Gelashvili N, Adamia T, , Khukhunia Ts. "Precondition of the development of Black Sea Environmental National Monitoring Programs and Subprograms", Proceedings of A. Janelidze Institute of Geology, TSU, 2015.
28. Baramidze I., Gvarishvili Ts., Mikashavidze E., Makharadze G., Bilashvili K., Varshanidze M. Hydrobiota of the Georgian Black Sea coastal zone. Proceedings of EU funded project PERSEUS Final Scientific workshop, Brussels, 2015.
29. Melikidze V., Bilashvili K. Potential application of the AMP Toolbox for designing and implementing adaptive policies in the Eastern Black Sea in the light of EU-Georgia Association Agreement. Proceedings of EU funded project PERSEUS Final Scientific workshop, Brussels, 2015.
30. K. Bilashvili, V. Gvakharia, N. Machitadze, Z. Savaneli, V. Trapaidz. CREATION OF THE END PRODUCT OF OCEANOGRAPHIC DATA OF THE GEORGIAN BLACK SEA AREA Proceed. of SGEM-2017, 17th Intern. GeoConference, Bulgaria, 2017.