



**POSTER SESSION:
BLACK SEA BIOGEOCHEMISTRY**

THURSDAY, JUNE 9

**FEEDBACK INDICATIONS TO GLOBAL CHANGES AND TO ANTHROPOGENIC
ACTIVITIES IN THE BLACK SEA SYSTEM**

Christos Anagnostou and Aristomenis Karageorgis

ISOTOPE FRACTIONATION IN THE SULFUR CYCLE OF THE WESTERN BLACK SEA

Michael E. Böttcher, Bo Jørgensen, Matthias Gehre, Jens Kallmeyer, and Rolf Wehausen

**STUDY OF ENVIRONMENTAL VULNERABILITY DUE TO ANTHROPOGENIC
ACTIVITIES IN THE BLACK SEA COASTAL AREA, GEORGIA**

Nugzar Buachidze, Khatuna Chikviladze, George Kordzakhia, and Kakhaber Bilashvili

**ANNUAL, INTERANNUAL AND SPATIAL VARIABILITY OF PHYTOPLANKTON
STANDING STOCK IN THE WESTERN BLACK SEA AS DERIVED FROM OCEAN COLOR
SATELLITE REMOTE SENSING**

Alexander Davidov

BLACK SEA NATURAL NITROGEN ISOTOPE AND CONCENTRATION PROFILES

C.A. Fuchsman, J.W. Murray and S.K. Kononov

**RELATIONSHIP BETWEEN THE DYNAMICS OF LATERAL OXYGEN INJECTION AND
Mn/S REDOX CHEMISTRY IN THE OXIC-ANOXIC TRANSITION OF THE BLACK SEA
WATER COLUMN**

Brian Glazer, George Luther III, Robert Trouwborst, Bradley Tebo, Sergey Kononov, Alexander Romanov

**THE BLACK SEA ECOSYSTEM: STUDY OF ITS EVOLUTION AND MODIFICATIONS
USING 3D AND 1D COUPLED PHYSICAL-BIOGEOCHEMICAL MODELS.**

M. Gregoire, J.M. Beckers, J. Friedrich, C. Heip, S. Kononov, N. Nezlin, C. Raick, E. Stanev, and K. Soetaert

BLACK SEA FUTURE NOT SO BLACK

Ulrich Horstmann, Alexander Davidov, Adriana Cosciasu, and Violeta Velikova

BASIC PROCESSES OF THE BLACK SEA BIOGEOCHEMISTRY

Sergey K. Kononov, James W. Murray and George W. Luther

**A THREE-DIMENSIONAL COUPLED PHYSICAL AND BIOLOGICAL MODEL OF THE
NORTHWESTERN BLACK SEA SHELF**

Villy Kourafalou, Konstantinos Tsiras and Joanna Staneva

**RAPIDLY ACCUMULATING BLACK MUDS ON THE ANOXIC BLACK SEA MARGIN: AN
IMPORTANT EXCEPTION TO THE EUXINIC PARADIGM**

Timothy W. Lyons and Michael Kashgarian

**PRELIMINARY RESULTS OF THE ECOSYSTEM MODELING AT THE ROMANIAN
BLACK SEA SHELF USING PRINCETON OCEAN MODEL**

Maria – Emanuela Mihailov, Viorel Malciu and Razvan – Doru Mateescu

NATURAL AND ANTHROPOGENIC TRACE METALS OCCURRENCE IN THE BLACK SEA ECOSYSTEM COMPONENTS

Andra Oros, Jakob Strand, Martin Larsen

A COMPREHENSIVE STUDY OF HORIZONTAL TRANSPORTS BY A MESOSCALE EDDY IN THE NORTH WESTERN PART OF THE BLACK SEA

G.I. Shapiro, L.D. Mee, S.V. Stanychny, E.M. Lemeshko, Yu.N. Goryachkin, A.S.Romanov, C. Enriquez, and D.L.Aleynik

RESPONSE OF THE NORTHWESTERN BLACK SEA SHELF ECOSYSTEM TO NUTRIENT LOAD AND CLIMATE CHANGE

Joanna V. Staneva, Villy Kourafalou, Emil V. Stanev, and Kostas Tsiasaras

SOLUBLE MN(III)COMPLEXES: REDUCTANTS/OXIDANTS IN THE BLACK SEA AND CHESAPEAKE BAY SUBOXIC ZONES.

Robert E. Trouwborst, Greg K. Druschel, Charoenkwan Kraiya, Brian T. Glazer, Rachael Howard, Bradley M. Tebo, Same M. Webb, Brent L. Lewis, and George W. Luther

SEASONAL CHANGES IN HYDROCHEMICAL STRUCTURE OF THE BLACK SEA REDOX ZONE

E.V. Yakushev, O.I. Podymov and V.K. Chasovnikov

PHOTO- AND CHEMO-AUTOTROPHIC ORGANIC CARBON PRODUCTION AND ITS FATE IN THE BLACK SEA

Aysen Yilmaz, and Yesim Yildiz-Coban