



Fulbright International Education Exchange – Fostering Science and Mutual Understanding between Nations and Cultures

**Tatjana Ruskovska, PhD
Goce Delcev University, Stip**

Republic of Macedonia

FULBRIGHT International Education Exchange



**INTERNATIONAL EDUCATION
EXCHANGE IS THE MOST
SIGNIFICANT PROJECT
DESIGNED TO CONTINUE THE
PROCESS OF HUMANIZING
MANKIND TO THE POINT, WE
WOULD HOPE, THAT NATIONS
CAN LEARN TO LIVE IN PEACE.**

**Senator J. William Fulbright
(1905-1995)**



REPUBLIC OF MACEDONIA

Journey through the centuries



SKOPJE – the Capital City



SKOPJE – the Old Bazaar



- 12th Century

- Rapidly
developped
during the
Ottoman rule

The largest bazaar in the Balkans, outside
Istanbul

Protected national landmark

SKOPJE – the Fortress



- First built in 6th century, by Byzantine Emperor Justinian I
- Further constructed in 10th and 11th century
- Part of material originates from the Roman city Skupi, which was destroyed by the earthquake in 518

SKOPJE – Birthplace of Mother Teresa



**Nobel Peace Prize
December 1979**



OHRID – Pearl of the Balkans



OHRID LAKE

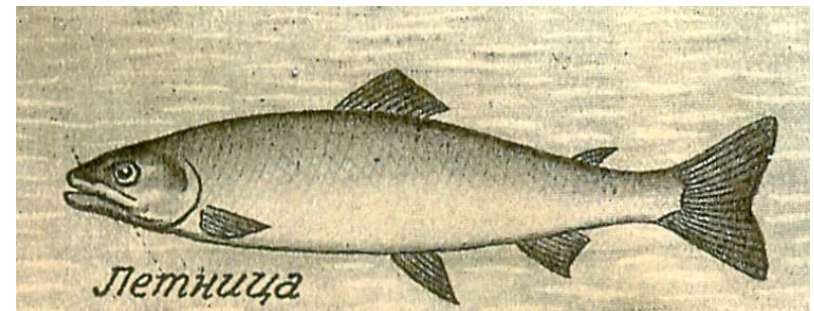
Maximum depth: 288 m (940 ft)

Mean depth: 155 m (508 ft)

Area: 358 km² (138 sq mi)

More than 200 endemic species

UNESCO's World Heritage Site



Salmo letnica

STIP – Goce Delcev University



27 March 2007 - Established by the Assembly of the Republic of Macedonia
28 June 2007 - The first Constitutive Assembly of the University Senate

GOCE DELCEV



I understand the world solely as a field for cultural competition among nations.

1872 - 1903

STIP – Goce Delcev University

CAMPUS 2

Faculty of Natural and Technical Sciences
Faculty of Agriculture
Faculty of Computer Science
Faculty of Electrical Engineering
Faculty of Technology
Faculty of Mechanical Engineering

CAMPUS 3

Faculty of Medical Sciences

CAMPUS 4

Faculty of Educational Sciences
Faculty of Economics
Faculty of Law
Faculty of Tourism and Business Logistics
Faculty of Philology
Music Academy
Art Academy
Film Academy

RECOGNISE YOUR FUTURE



16 000 students
ECTS

Faculty of Medical Sciences

Academic Study Programs

**Integrated Studies of
First and Second Cycle:**
-GENERAL MEDICINE
-DENTAL MEDICINE
-PHARMACY

Medical Specialization and/or
PhD Program

BIOMEDICINE

Translational Medicine
Medical Biotechnology
Regenerative Medicine
Medical Physics

NEUROSCIENCES

DENTAL MEDICINE

Occupational Study Programs

-Nurses
-Physiotherapists
-Medical Laboratory Technicians
-Dental Technicians - Prosthodontics
-Midwives
-Optometrics and Eye Optics

Specialization



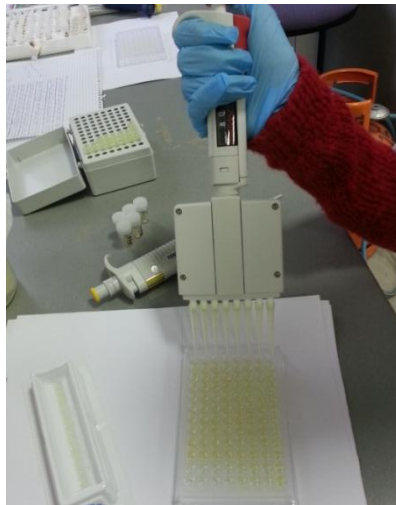
Laboratory of Biochemistry and Clinical Chemistry

Current project: “Oxidized proteins in patients on hemodialysis – influence of the supplementation with vitamin C”

Free Radic Res. 2014 Nov 26:1-38. [Epub ahead of print]

Ankyrin is the major oxidised protein in erythrocyte membranes from end-stage renal disease patients on chronic haemodialysis and oxidation is decreased by dialysis and vitamin C supplementation.

Ruskovska T, Bennett SJ, Brown CR, Dimitrov S, Kamcev N, Griffiths HR.



COST CM1001 Action

Interuniversity Cooperation

► Interuniversity Cooperation Center

- International associations and networks
- Bilateral agreements



► ERASMUS network

- 15 FMS student exchanges
 - Italy
 - Bulgaria
 - Croatia





NAD – A REDISCOVERED ‘OLD’ MOLECULE

*Focus on the white adipose tissue in obesity
induced insulin resistance*

Protein Carbonylation, Sirtuins and NAD

Protein carbonylation and sirtuins in the white adipocytes and their involvement in the pathogenesis of insulin resistance

- ▶ **Protein carbonylation**
- ▶ **Protein acetylation**
- ▶ **Sirtuins – NAD dependent deacetylases / deacylases**
- ▶ **SIRT3 – mitochondrial deacetylase**
- ▶ **NAD – ‘rediscovery’ of this ‘old’ molecule**

ACKNOWLEDGMENTS

The Fulbright logo features the word "FULBRIGHT" in a blue serif font, with a stylized blue globe icon below it.

UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

David Bernlohr
Ann Hertzel
Wendy Hahn
Rocio Foncea



Jovan Kuzmicic
Dalay Olson
Joel Burrill
Hongliang (Arthur) Xu
Amy Hauck
Kaylee Steen
Ajeetha Josephrajan
Cyrus Jahansouz
Ross Conn