

The 50th anniversary of the Department of Geomorphology and Quaternary Geology, Gdańsk University

The history of the Department dates back to 1959, the year when the Department of Geomorphology was established by Professor Kazimierz Łomniewski, Ph. D., the Head of the Department of Physical Geography at the Gdańsk Higher School of Pedagogy¹. The first Head of the Department of Geomorphology was Professor Bolesław Augustowski, Ph. D. The Department was located in the rooms of the building at Sobieskiego Street in the Wrzeszcz district of Gdańsk. In the beginning, its scientific activity focused on the geomorphological mapping of the Kashubian Lake District and on the morphology and origin of ice-marginal valleys in the North Pomeranian slope. Eventually, the scope of works was extended by the study of lake sediments in the Pomeranian valley network. In 1970, the University of Gdańsk was established. The Institute of Geography comprised the Department of Geomorphology and Quaternary Geology. Professor Bogusław Rosa², who moved to Gdańsk from the Nicolaus Copernicus University in Toruń, was appointed the Head of the Department. At first, the Department continued the studies initiated by Professor Augustowski and, in the course of time, extended the scope of its research works by the study of the layered structure of bottom sediments in the Southern Baltic Sea³. The research team had an interdisciplinary composition. In addition to geographers, it included: biologists (Bożena Bogaczewicz-Adamczak, Grażyna Miotk-Szpiganowicz), a physicist (Stanisław Fedorowicz), a chemist (Urszula Kepińska), a geologist (Krzysztof Petelski), and a geophysicist (Wojciech Rossa). The workers carried out numerous research projects at sea in cooperation with, for instance, the Institute of Meteorology and Water Management in Gdynia. The studies were conducted under the Ministry program MRI-15. In 1981, a thermoluminescence (TL) laboratory for Quaternary sediments dating was established. The

Department added to its research profile the Neopleistocene chronostratigraphy issues investigated by the TL method, studies into the structure and age of end moraines, as well as palaeogeographical examination based on palynological and diatomaceous surveys. The Department changed its address three times. Initially, its premises were located in the Gdańsk-Oliwa district, then it moved to Gdynia, to Czołgistów Street, and for several years now it has been situated in the Gdańsk-Wrzeszcz district, at Dmowskiego Street. In 1996, Professor Rosa retired and Professor Roman Gołębiowski Ph. D. was elected the new Head of the Department. The Department continued its studies, placing particular emphasis on TL dating of loess sediments and examination of lake sediments based on multiple proxies. In addition, the Department initiated studies into the petrography of moraine tills of the Kashubian Shoreland. After 12 years, in 2008, Professor Gołębiowski appointed Professor Stanisław Fedorowicz, Ph. D., the fourth Head of the Department.

Within the last 50 years, four workers of the Department were awarded a postdoctoral degree (Bolesław Augustowski, Roman Gołębiowski, Bożena Bogaczewicz-Adamczak, Stanisław Fedorowicz), and 16 graduates obtained a doctoral degree. Professor Bogusław Rosa supervised the doctoral thesis of five researchers (Krzysztof Petelski, Stanisław Fedorowicz, Ireneusz Olszak, Elżbieta Zawadzka, Dorota Pryczkowska), and two researchers were promoted by Professor Roman Gołębiowski (Piotr P. Woźniak, Wojciech Tylmann).

Scientists from the Department closely cooperate with several centers in Europe: Vilnius University (Prof. A. Gaigalas, Ph. D.), Lviv University (Prof. A. Boguckij, Ph. D.), the University of Bremen (Prof. B. Zolitschka, Ph. D.). Great value is attached to the cooperation with the Department of Physical Geography and Palaeography, Maria Curie-Skłodowska University in Lublin, and with the Department of Marine Chemistry and Biochemistry in Sopot, Institute of Oceanology of the Polish Academy of Sciences (Prof. J. Pempkowiak, Ph. D.). The Department's workers held a number of honorable functions at Gdańsk University. The first Dean of the Faculty of Biology and Earth Sciences at Gdańsk University was Professor Bogusław Rosa. In the years 1978–1981 and 1997–1999, the Deputy Dean for Student Affairs of the same department was Professor Roman Gołębiowski. Prof. Rosa is the founder and the first editor of the periodical "Peribalticum". The second editor was Prof. Gołębiowski.

¹ Łomniewski K. 1962. Rozwój nauk geograficznych w Gdańsku w latach 1946–1961. *Zeszyty Geograficzne WSP w Gdańsku* 4: 9–25.

² Gołębiowski R., Fedorowicz S. 2008. In memoriam Professor Bogusław Rosa. *Geologia* 50(2): i–ii.

³ See Szukalski J. 1976. Gdański ośrodek geograficzny w 30-lecie Polskiej Rzeczypospolitej Ludowej. *Zesz. Nauk. Wydz. BiNoZ UG. Geografia* 4: 7–26; Szukalski J. 1991. Geografia w Gdańsku. Jej początki, dorobek naukowy i organizacyjny oraz kierunki rozwoju. In: J. Szukalski (ed.). *Morze Bałtyckie i jego pobrażenie. Materiały 40 Ogólnopolskiego Zjazdu PTG*. Gdańsk: Uniwersytet Gdański, PTG Oddz. Gdański. 13–22; also Gołębiowski R., Fedorowicz S., op. cit.

The current research team includes two associate professors, four assistant professors, three masters of science and one doctoral student. The main research interests are as follows:

Prof. Stanisław Fedorowicz, Ph. D. – luminescence dating of samples from loess profiles in Ukraine and lake sediment profiles in Lithuania;

Prof. Roman Gołębiewski, Ph. D. – palaeogeographical studies;

Wojciech Tylmann, Ph. D. – palaeogeographical record in lake sediments, mechanisms of annually-laminated sediment deposition, ^{210}Pb dating of lake sediments;

Piotr Paweł Woźniak, Ph. D. – petrographic composition and directional properties of moraine tills of Eastern Pomerania;

Radosław Wróblewski, Ph. D. – aeolian and waving processes, sea bottom and seashore dynamics, the nature of sediment transport and deposition in the seashore area, sediment facies and sediment balance;

Elżbieta Zawadzka, Ph. D. – abrasion and accumulation processes in the Southern Baltic coastal zone, morphodynamics and lithodynamics of dune coasts, coastal barriers and their palaeodevelopment, seashore protection;

Karolina Czarniecka, M. Sc. – organic geochemistry of lake sediments, record of anthropogenic changes in lake sediments;

Janusz Dworniczak, M. Sc. – lake sediments, high-resolution seismoacoustic method;

Grażyna Wysiecka, M. Sc. – petrographic composition of glacial tills, Quaternary paleogeography;

Małgorzata Kinder, M. Sc. – geochemical record of environmental changes in lake sediments.

Prof. Stanisław FEDOROWICZ
Head of the Department

GDANSKO UNIVERSITETO GEOMORFOLOGIJOS IR KVARTERO GEOLOGIJOS KATEDRAI – 50

2009 m. Gdansko universiteto Geomorfologijos ir kvartero geologijos katedra švenčia 50-ies metų jubiliejų. Minėtu laikotarpiu katedrai vadovavo keturi vadovai – profesorai Bolesławas Augustowski, Bogusławas Rosa, Romanas Gołębiewskis ir Stanisławas Fedorowiczius. Per penkiasdešimt metų keturi mokslo darbuotojai įgijo

mokslinį laipsnį, 16 absolventų suteiktas mokslo kandidato laipsnis. Dabar katedroje dirba 10 darbuotojų. Čia vykdomi jūros ir ežerų tyrinėjimai, atliekami radiometriniai datavimai (TL ir ^{210}Pb).

Prof. Stanisław FEDOROWICZ
Katedros vedėjas

50-ЛЕТИЕ КАФЕДРЫ ГЕОМОРФОЛОГИИ И ЧЕТВЕРТИЧНОЙ ГЕОЛОГИИ ГДАНЬСКОГО УНИВЕРСИТЕТА

В 2009 году Кафедра геоморфологии и геологии четвертичных отложений Гданьского университета отмечает 50-летний юбилей. За это время кафедру возглавляли четыре руководителя. Это были профессора: Болеслав Августовски, Богуслав Роса, Роман Голембевски и Станислав Федорович. За минувшие 50 лет четверо научных сотрудников удостоились докторской научной степени,

а 16 выпускников получили звание кандидата наук. В настоящее время на кафедре работают 10 человек. Осуществляется ряд актуальных исследований, связанных с морской и озерной средами. Проводится радиометрическое датирование (TL и ^{210}Pb).

Проф. Станислав ФЕДОРОВИЧ
Заведующий Кафедрой