

THE FIELD OF SCIENCES: NATURAL SCIENCES

**The list of published scientific papers and information about teaching activities,  
international cooperation and popularization of sciences**

I. The list of papers in the scientific achievement according to art.16 ust. 2

A) Title of scientific achievement:

**A new look at the geological history of the Carpathians - controversial point of few.**

B) The list of publication included in the scientific achievement:

**Jankowski L., *Nowe spojrzenie na budowę geologiczną Karpat - ujęcie dyskusyjne. Prace Naukowe Instytutu Nafty i Gazu - Państwowego Instytutu Badawczego No 202, Instytut Nafty i Gazu - Państwowy Instytut Badawczy, ISBN: ISSN 2353 – 2718.***

As a only author of this paper I have done all works, figures , models and conclusions. My contribution is 100%.

II. The list of other (not included in the list I.) published scientific papers and the scientific achievement indexes

A) The scientific papers included in the Journal Citation Reports (JCR) base:

[1] Mazzoli S., Jankowski L., Szaniawski R., Zattin M., 2010 - Low-T thermochronometric evidence for post-thrusting (< 11 Ma) exhumation in the Western Outer Carpathians, Poland. *Comptes Rendus Geoscience*, 342: 162-169.

My input to this paper included: contribution in collective formulation of research targets and sampling strategy as well as contribution in all stages of fieldworks and sampling. I estimate my contribution as 20%.

[2] Leśniak G., Matyasik I., Such P., Jankowski L., 2010, Outcrops as one of the keys in the reconstruction of the Petroleum System in the Polish Outer Carpathians. *Annales Societatis Geologorum Poloniae* (2010), vol. 80: 105–114.

My input to this publication was contribution to the conception of the research and selection of scientific targets, participation in field works and sampling and tectonic

examinations. I estimate my contribution in this paper as 25%.

[3] Zattin M., Andreucci B., Jankowski L., Mazzoli S., Szaniawski R., 2011, *Neogene exhumation in the Outer Western Carpathians*. Terra Nova, 23, 283–291, 2011.

My input to this publication was contribution to the conception of the research and selection of scientific targets, participation in field works and sampling, moreover tectonic interpretation. I estimate my contribution in this paper as 20%.

[4] Andreucci B., Castelluccio A., Jankowski L., Mazzoli S., Szaniawski R., Zattin M., 2013 - *Burial and exhumation history of the Polish Outer Carpathians: Discriminating the role of thrusting and post-thrusting extension*. Tectonophysics 608: 866-883.

My input to this publication was contribution to the conception of the research and selection of scientific targets, participation in field works and sampling, moreover tectonic interpretation. I estimate my contribution in this paper as 15%.

[5] Malinowski M., Guterch A., Narkiewicz M., Probulski J., Maksym A., Majdański M., Środa P., Czuba W., Gaczyński E., Grad M., Janik T., Jankowski L., Adamczyk A., 2013, *Deep seismic reflection profile in Central Europe reveals complex pattern of Paleozoic and Alpine accretion at the East European Craton margin*. Geophysical Research Letters, 2013, vol. 40, 16. doi:10.1002/grl.50746, 2013.

My input to this publication included discussions of results and tectonic interpretation. I estimate my contribution in this paper as 5%.

[6] Szaniawski R., Mazzoli S., Jankowski L., Zattin M., 2013, *No large-magnitude tectonic rotations of the Subsilesian Unit of the Outer Western Carpathians: Evidence from primary magnetization recorded in hematite-bearing Węglówka Marls (Senonian to Eocene)*. Journal of Geodynamics 71 (2013) 14– 24.

My input to this publication was contribution to the conception of the research and selection of scientific targets, participation in field works and sampling estimate my contribution in this paper as 20%.

[7] Andreucci B., Castelluccio A., Corrado S., Jankowski L., Mazzoli S., Szaniawski R., Zattin M., 2014. *Interplay between the thermal evolution of an orogenic wedge and its retro-wedge basin: An example from the Ukrainian Carpathians*. Geological Society of America Bulletin 127 (3-4). September 2014.

My input to this publication was contribution to the conception of the research and selection of scientific targets, participation in field works and sampling, moreover tectonic interpretation. I estimate my contribution in this paper as 15%.

[8] Narkiewicz M., Maksym A., Malinowski M., Grad M., Guterch A., Petecki Z., Probulski J., Janik T., Majdański M., Środa P., Czuba W., Gaczyński E., Jankowski L., 2014 *Transcurrent nature of the Teisseyre–Tornquist Zone in Central Europe: results of the*

*POLCRUST-01 deep reflection seismic profile*. INTERNATIONAL JOURNAL OF EARTH SCIENCES 104(3) · DECEMBER 2014.

My input to this publication included discussions of results and tectonic interpretation. I estimate my contribution in this paper as 5%.

[9] Castelluccio A, Andreucci B., Zattin M., Ketcham R., Jankowski L., Mazzoli S., Szaniawski R., 2015, *Coupling sequential restoration of balanced cross sections and low-temperature thermochronometry. The case study of the Western Carpathians*. Geological Society of America. doi:10.1130/L436.1.

My input to this publication was contribution to the conception of the research and selection of scientific targets, participation in field works and sampling, moreover tectonic interpretation. I estimate my contribution in this paper as 10%.

[10] Margielewski w., Krapiec M., Jankowski L., Urban J., Zernitskaya V., 2015. *Impact of aeolian processes on peat accumulation: Late Glacial - Holocene history of the Hamernia peat bog (Roztocze region, south-eastern Poland)*. Quaternary International. 386:212-225.

My contribution to the study included the field diagnosis and preparing the cartographic presentation, moreover gathering drill material and discussion of results I estimate my contribution in this paper as 20%.

[11] Malinowski M., Guterch A., Narkiewicz M., Petecki Z., Janik T., Środa P., Maksym A., Probulski J., Grad M., Czuba W., Gaczyński E., M. Majdański M., Jankowski L., 2015. *Geophysical constraints on the crustal structure of the East European Platform margin and its foreland based on the POLCRUST-01 deep reflection seismic profile*. Tectonophysics 653:109-126.

My input to this publication included discussions of results and tectonic interpretation. I estimate my contribution in this paper as 5%.

B) International and national patents:

Non

C) Inventions presented at international and national exhibitions:

Non

D) Monograph and scientific publications not mentioned in JCR base (not in IIA):

[1] Opracowania kartograficzne

[1] Jankowski L., 2013, *Szczegółowa Mapa Geologiczna Polski w skali 1:50 000, arkusz Rzepiennik*. PIG - PIB Warszawa. 2013.

The map of the Rzepiennik sheet was based on completely new field data and

observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. As a only author of this map I have done all works, figures and conclusions. My contribution is 100%.

[2] Jankowski L., 2013, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski w skali 1:50 000, arkusz Rzepiennik*. PIB - PIB Warszawa.2013.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as %.90% (additionally results of stratigraphic examinations were used ).

[3] Jankowski L., 2015, *Szczegółowa Mapa Geologiczna Polski w skali 1:50 000, arkusz Łupków Nowy*. PIB PIB-Warszawa, 2015.

The map of the Łupków Nowy sheet was based on completely new field data and observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. As a only author of this map I have done all works, figures and conclusions. My contribution is 100%.

[4] Jankowski L., 2015, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski. 1:50 000, arkusz Łupków Nowy*. Warszawa 2015. Pp. 36.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as 90% (additionally results of stratigraphic examinations were used ).

[5] Jankowski L., Kopciowski R.: 2014, *Szczegółowa Mapa Geologiczna Polski w skali 1:50 000, arkusz Żmigród Nowy*. PIB-PIB. Warszawa, 2014.

The map of the Żmigród Nowy sheet was based on completely new field data and observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. My contribution is 70%.

[6]Jankowski L., Kopciowski R., 2014, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski. 1:50 000, arkusz Żmigród Nowy*. Warszawa 2014.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as 60% (additionally results of stratigraphic examinations were used).

[7] Jankowski L., Ślęczka A., 2015 *Szczegółowa Mapa Geologiczna Polski w skali 1:50 000, arkusz Jabłonki*. Warszawa, 2015

The map of the Jabłonki sheet was based mostly on new field data and observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. My contribution is 60%.

[8] Jankowski L., 2015, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski. 1:50 000, arkusz Jablonki*. Warszawa 2015. Pp. 36.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as 60% (additionally results of stratigraphic examinations were used).

[9] Kopciowski R., Jankowski L., Zimnal Z., 2014, *Szczegółowa Mapa Geologiczna Polski 1:50 000, arkusz Osiek Jasielski*. PIG-PIB. Warszawa. 2014.

The map of the Osiek Jasielski sheet was based mostly on new field data and observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. My contribution is 30%.

[10] Kopciowski R., Jankowski L., Zimnal Z., 2014, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski. 1:50 000, arkusz Osiek Jasielski*. Warszawa 2014. Pp. 36.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as 30% (additionally results of stratigraphic examinations were used).

[11] Kopciowski R., Zimnal Z., Chrzastowski J., Jankowski L., Szymakowska F.: 2014, *Szczegółowa Mapa Geologiczna Polski 1:50 000, arkusz Gorlice*. PIG-PIB. Warszawa. 2014.

The map of the Gorlice sheet was based mostly on new field data and observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. My contribution is 25%.

[12] Kopciowski R., Zimnal Z., Chrzastowski J., Jankowski L., Szymakowska F., 2014, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski 1:50 000, arkusz Gorlice*. PIG-PIB Warszawa. 2014.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as 25% (additionally results of stratigraphic examinations were used).

[13] Malata T., Jankowski L., Żytko K., 2015, *Szczegółowa Mapa Geologiczna Polski w skali 1:50 000, arkusz Lutowska*. PIG-PIB. Warszawa. 2015

The map of the Gorlice sheet was based mostly on new field data and observations. The input included cartographic works, collecting samples, discussions of results and drawing the map. My contribution is 30%.

[14] Malata T., Jankowski L., Żytko K., 2015, *Objaśnienia do Szczegółowej Mapy Geologicznej Polski. 1:50 000, arkusz Lutowska*. PIG-PIB. Warszawa 2015. Pp. 36.

My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. I estimate my contribution in this paper as 30% (additionally results of stratigraphic examinations were

[15] Jankowski L., Kopciowski R., Ryłko W. (eds.): 2004, *Geological Map of the Outer Carpathians; Borderlands of*

*Poland, Ukraine and Slovakia, 1:200 000*. Publication Dep. of Polish Geological Institute, Warsaw, 2004.

The field recognizing the facies and tectonic zones was my contribution to preparing the map. Moreover conceptual including the cartographic study as well as preparing sketches, of pictures, graphical putting together the map, correction and preparing explanations. I estimate my contribution in this paper as 30%

[16]Jankowski L., Kopciowski R., Ryłko W., (eds.) 2007 – *Geological Map of the Outer Carpathians; Borderland of Ukraine and Romania, 1 : 200 000*. Publication Dep. of Polish Geological Institute, Warsaw. 2007.

Field recognizing the facies and the course of tectonic zones was my contribution to preparing the map. Moreover conceptual including the cartographic study as well as preparing sketches, of pictures, graphical putting together the map, correction and preparing explanations. I estimate my contribution in this paper as 30%

[1] Jankowski L., 2004, *Rozwój karpackiej przykryty akrecyjnej – ujęcie koncepcyjne*. 75. Zjazd PTG. Iwonicz Zdrój 2004. Mat. Konf. PTG Kraków: 98–99.

The study is one of the first effort of conceptual representation the basinal - tectonic development of the Carpathians, different than accepted in literature. I questioned dogmatically accepted views concerning so-called tectono-facial units closely tied with stabile sedimentary troughs. As a only author my contribution is 100%

[2]Jarmołowicz-Szulc K., Matyasik I., Jankowski L., 2005, Comparative studies of mineral assemblages in the Bieszczady region. Pr. Specjalne PTM 2005 z.25 s.307-312.

The study is one from first papers concerning the characterization of mineralization of tectonic mélangé zones discovered by me in the Bieszczady area. My contribution included discovering zones of mélanges, field observations and taking samples. I estimate my contribution in this paper as 33 %

[3] Jankowski L., *Utwory chaotyczne w Karpatach*, 2006, *Przegląd Geologiczny*. T 54. Nr 10:848-849.

The study is devoted to discussing discovered chaotic complexes of the Jasło-Gorlice region. The geological context of chaotic complexes was discussed. As a only author of this paper I have done all works, conclusions. My contribution is 100%.

[4]Jankowski L., Kopciowski R., Ryłko W., 2006, *Współczesne prace kartograficzne Oddziału Karpackiego PIG*. T 54. Nr 10:844-845.

The study has character of discussing current cartographic studies made in Carpathian Branch of Polish Geological Institute. I estimate my contribution in this paper as 33 %

[5]Jankowski L.: *Kompleksy chaotyczne w rejonie Gorlickim (polskie Karpaty zewnętrzne)*. Biuletyn Państwowego Instytutu Geologicznego, 2007, 426: 27–52.

The work is recapitulating examinations concerning chaotic complexes in

different areas, mainly of area of Gorlice. My input included discussion of results, preparing the text up, collecting literature, preparing graphical attachments and geological interpretation of results. As a only author of this paper I have done all works, figures, models and conclusions. My contribution is 100%.

[6]Jarmołowicz-Szulc K., Jankowski L., Matyasik I., 2007. Wstępne wyniki badań zespołów minerałów i materii organicznej w regionie bieszczadzkim. *Przegląd Geologiczny* 55 (4): 291.

The work is an announcement from mineralogical-geochemical characteristic of rocks regarded as source rocks in the area of the Bieszczady mountains. It is concerning also characteristics of the mineralization of mélanges. My contribution included fieldworks, discovering a mélange zones and discussion of results. I estimate my contribution in this paper as 33 %

[7]Leśniak G., Jankowski L., 2009, Szczegółowe badania petrograficzne skał z melanzu tektonicznego w Jabłonkach (Bieszczady). *Przegląd Geologiczny*. T 57. Nr 4:307.

The work is an announcement from mineralogical-geochemical characteristic mélange zones in the area of the Bieszczady mountains. My contribution included fieldworks, discovering a mélange zones and discussion of results. I estimate my contribution in this paper as 50 %

[8]Jankowski L., Jarmołowicz - Szulc K., 2009, Particular tectonic zones ( the melange zones) as a potential and significant path for fluid migration and mineral formation. *Mineralogical Revue* 59 (1), 31-44. Eng. With Ukr. And Rus.

The work is describing zones of mélanges in the context of migration paths for Carpathian oils. My contribution included fieldworks, discovering a mélange zones and discussion of results. I estimate my contribution in this paper as 50 %

[9]Jarmołowicz-Szulc K., Jankowski L., 2011. Analiza geochemiczna i korelacje genetyczne czarnych łupków w jednostkach tektonicznych Karpat Zewnętrznych w południowo-wschodniej Polsce i na obszarze przyległym. *Biuletyn PIG*, 444, 73–98.

The work is describing petrographic-geochemical character of black shales of Carpathian sedimentary sequences. This study recognizing Oligocene Menilite beds as shallow-water deposits. My contribution included fieldworks, discovering a mélange zones and discussion of results. I estimate my contribution in this paper as 50 %

[10]Jankowski L., Probulski J., 2011 – Rozwój tektoniczno-basenowy Karpat zewnętrznych na przykładzie budowy geologicznej złóż Grabownica, Strachocina i Łodyna oraz ich otoczenia. *Kwartalnik AGH, Geologia* 37, 4: 555-583.

The study is discussing geological architecture of the complicated zone of piling Silesian, Węglówka and Skole tectonic units. In this place geometry of the flower structure type of was recognized - is a concrete example for existing of additional stages of tectonic deformations in the Carpathians. My contribution included fieldwork ,

recognizing structures and facies, Developing the concept and hypotheses. I estimate my contribution in this paper as 50%.

[11]Jankowski L., Kopciowski R., Ryłko W., 2012, Stan wiedzy o budowie geologicznej Karpat zewnętrznych pomiędzy rzekami Białą a Rysa- dyskusja. Biuletyn PIG 449: 203-216.

The work is critical discussing the state of knowledge about the Polish-Ukrainian and Romanian section of the Carpathians. My contribution included fieldwork, developing the concepts and hypotheses and conclusions. I estimate my contribution in this paper as 33%.

[12]Jankowski L., Kopciowski R., Ryłko W., Danysz V., Carnenko P., Hnylko O., 2012, Korelacja litostratygraficzna Karpat zewnętrznych na obszarach przygranicznych Polski, Słowacji, Ukrainy i Rumunii. Biuletyn PIG 449:87-98.

The work is an attempt of correlation of tectonic units and the facies appearing on almost entire of carpathians; from Slovak segment of Carpathians to Romanian segment. My contribution included fieldwork, developing the concepts and hypotheses. and conclusions. I estimate my contribution in this paper as 33%.

[13]Krapiec M., Jankowski L., Margielewski W., Krapiec P., 2012. *The stone forest (Kamienny Las) Geopark in Roztocze and its geoturistic values*. Przegląd Geologiczny 60 (9):468-479.

The publication is devoted to reconstructing the process of silification of Miocene petrified remnants of wood in Roztocze region. Moreover the process of geochemical transformations, the diagnosis of wood and conditions of redeposition is described. Research works included the field research, laboratory measurements and preparing geochemical interpretation. I estimate my contribution in this paper as 20%.

[14]Matyasik I., Bieleń W., Janiga M., Jankowski L., 2012, *Geochemiczna charakterystyka naturalnych powierzchniowych wycieków węglowodorowych na podstawie badań GC oraz GC-MS*. Nafta-Gas. Nr 11:788-796.

The study is devoted to characteristics of an natural oil seeps in the area of the Carpathians, peculiarly in the Krosno-Gorlice region. My contribution included the field research and preparing geochemical interpretation. I estimate my contribution in this paper as 20%.

[15]Rauch M., Jankowski L., Probulski J., 2012, *Origin of curved traces of the thrust and fault-related folds in the Polish Outer Carpathians in the light of analogue modelling*. Mineralia Slovaca. 44(2012):102.

The study is regarding the description of the thrusts geometry in Jasło region, Outer Carpathians. The discussed structures were created during the stage of the compression (piggy back mode). My contribution included fieldwork, developing the concepts and hypotheses and conclusions. I estimate my contribution in this paper as 33%.

[16] Jankowski L., Margielewski W., 2014 - *Strukturalne uwarunkowania rozwoju rzeźby Karpat zewnętrznych – nowe spojrzenie*. Przegląd Geologiczny. 62,1: 29-35.



The publication is devoted to discussing completely new hypotheses referring to the image of morphology of the Carpathians. An influence of additional stages of tectonic deformations on morphology of the Carpathians is being discussed, esp. collapse of orogeny stage and strike-slips stage. Moreover zones of mélanges in the morphological image are discussing. My contribution included fieldwork, developing the concepts and hypotheses and conclusions. I estimate my contribution in this paper as 50%.

[17]Szydło A., Garecka M., Jankowski L., Malata T., 2014. Paleogene microfossils from the submarine debris flows in the Skole basin. *Geology, Geophysics & Environment*. Vo. 40 (1): 49-65. (DOI: 10.7494/geol.2014.40.1.49-65).

The publication is devoted to discussing facial character and nannoplankton and forams assemblages of the Eocene slope deposits. These facies are characteristic for northern slope of the Carpathian basin. My contribution included fieldwork, developing the concepts and hypotheses and conclusions. I estimate my contribution in this paper as 25%.

[18]Jankowski L., Margielewski W.: 2015, *Pozycja tektoniczna Rostocza w świetle historii rozwoju zapadliska przedkarpacciego*. Biuletyn PIG, 2015, 462:7–28.

The publication is devoted to discussing the current tectonic position of the Rostocze area. Moreover the process of the forming of the morphology and tectonic deformations are described. My contribution included fieldwork, developing the concepts and hypotheses and conclusions. I estimate my contribution in this paper as 50%.

[19]Mroczkowska M., Ziemianin K., Brzuszek P., Matyasik I., Jankowski L., 2015. The organic matter type in the shale rock samples assessed by FTIR-ATR analyses. *Nafta-Gaz* nr 6, 361-369.

The work is devoted to recognizing geochemical character of the organic matter in source rocks of Carpathian oils. My contribution included fieldwork, developing the concepts and conclusions. My contribution in this paper was estimated as 10%.

[20]Ziemianin K., , Brzuszek P., , Słoczyński T., , Jankowski L., 2015, Dispersed organic matter in shales from Menilite Beds within Polish Outer Carpathians – preliminary diagnosis. *Nafta-Gaz* nr. 9, 615-623.

The study is describing geochemical characteristics of the organic matter in Oligocene Menilite beds. The menilite beds are regarded as main source rock of Carpathian oils. My contribution included fieldwork, developing the concepts and conclusions. My contribution was estimated in this paper as 30%.

E) Collective elaborations, catalogues, a field work documentation, expert assessments:

W: Słomka T., (red), 2006, *Katalog obiektów geoturystycznych w Polsce*. - współautor

F) Summarized impact factor according to JCR base including year of publishing: **28,08**.

G) Number of citations according to Web of Science (WoS): **36**.

(Number of citations according to Web of Science in 30.10.2014. The database is updated with delay and does not include several papers from 2015 that cited my publication)

H) Hirsch Index according to Web of Science (WoS): **4**

I) Leading international and national research project and participation in such a project:

1. *Badania tektonogenezy Karpat Zewnętrznych na obszarze Polski południowo-wschodniej i zachodniej Ukrainy w oparciu o metody paleomagnetyzmu i strukturalne*, 2008-2011 - Grant financed by MNiSW nr. N 307 244733, **contractor**
2. *Ewolucja geodynamiczna północno-wschodniej części północnych Karpat Zewnętrznych Nr projektu: N N525 363637* –Grant financed by MNiSW nr. N307 037 31/2527, **contractor**
3. *Biostratygrafia nanoplanktonowa margli frydeckich jednostki podśląskiej* - Grant financed by MNiSW Nr 3 PO4D 054 23nr. 2004, **contractor**.

J) National and international awards for scientific activity:

Non

K) Presentations at international and national conferences:

My oral presentations:

[1]Jugowiec-Nazarkiewicz M., Jankowski L., 2004. *Stratygrafia nanoplanktonowa górnokredowych margli węglowieckich jednostki podśląskiej.*: Pos. Nauk. Państw. Inst. Geol. 2004 nr 60 s.87-89.

[2]Watkinson, M.P., Seymour, M.D.; Jankowski, L.; Kopciowski, R.; Enfield, M.A. *Exploring for Hydrocarbons in Thrust Belts along the Black Sea Margins – examples from the Balkanides and Carpathians*. The 6th international conference, Geodynamics, seismic activity and oil and gas beariness of Black Sea-Caspian region. Ukraine, Crimea. September 12-16, 2005.

[3] Jankowski L., Kopciowski R., Ryłko W., Pavluk M., 2005,- *An Attempt of Correlation of Stratigraphic and Tectonic Units of Polish, Ukrainian and Romanian Outer Carpathians*. Mat. VI Międzynar. Konf. "Krym – 2005" Krym, Gurzuf, 12 – 16 wrzesień 2005. Symferopol 2005 W: GEODINAMIKA, sejsmicność' i

neftegazonosnost' Ćernomorsko-Kaspijskogo regiona. Tezisy dokladov na VI Meždunarodnoj Konferenciji 'Krym 2005', Krym, Gurzuf, 12-16.09.2005. Simferopol: Asociacija geologov, 2005, s.110-111.

[4] Enfield, M.A., Watkinson, M.P., Vangelov, D., Dimov, D., Jankowski, L., Kopciowski, R.. *The Polish Carpathians – old data new ideas*. Tectonic Studies Group Meeting; University of Plymouth, Geological Society of London. January 2005.

[5] Szydło A., Jankowski L. Nescieruk P.2008, *Taphofacies implications of foraminiferal assemblages from slumped and olistostrome series in the Northern Carpathian Basin* / W: 3<sup>rd</sup> Meeting on Taphonomy and Fossilization, Taphos'08 Granada, 12-14 June. Abstract Volume, Granada: Instituto Geologico y Minero de Espana; Universidad de Granada, 2008. S. s 103-104,.

[6] Jarmołowicz-Szulc K., Dudok I. Jankowski L., 2008, *Organic matter in the Carpathian rocks from Poland and Ukraine* / W: The 33rd International Geological Congress. Oslo, Norway, 6 -14 August 2008. Dokument elektroniczny: abstract CD-ROM / under the patronage of UNESCO, Oslo: United Nations Educational, Scientific and Cultural Organization, 2008, file:\33IGC\1323434.html.

[7] Garecka M., Jankowski L., Szydło A., *Spływowe osady paleogenu wschodnich Karpat zewnętrznych w strefie przygranicznej Polski i Ukrainy*. W: Pierwszy Polski Kongres Geologiczny. Kraków 26-28 czerwca 2008: abstrakty, Kraków: Polskie Towarzystwo Geologiczne, 2008

[8] Jankowski L., Kopciowski R., Ryłko W., 2008, *Mapa geologiczna łuku Karpat Zewnętrznych pomiędzy południkiem rzeki Białej w Polsce a równoleżnikami rzeki Rysca w Rumunii w skali 1:200 000*. W: Pierwszy Polski Kongres Geologiczny. Kraków 26-28 czerwca 2008: abstrakty, Kraków: Polskie Towarzystwo Geologiczne, 2008

[9] Jankowski L., 2008, *Rola melanży tektonicznych w Karpatach*. W: Pierwszy Polski Kongres Geologiczny. Kraków 26-28 czerwca 2008: abstrakty, Kraków: Polskie Towarzystwo Geologiczne, 2008

[10] Jarmołowicz-Szulc K., Jankowski L., 2008, *Problematyka mineralizacji w strefie melanżu w Bieszczadach* / W: Pierwszy Polski Kongres Geologiczny. Kraków 26-28 czerwca 2008: abstrakty, Kraków: Polskie Towarzystwo Geologiczne, 2008, s.42

[11] Szaniawski R., Mazzoli S., Jankowski L., Zattin M., 2009. *Integrated paleomagnetic and structural studies of the Polish and Ukrainian Outer Carpathians – current progress of the new scientific project*. THERMO-EUROPE IP8 Workshop, Warszawa. Polska.

[12] Andreucci B., Jankowski L., Mazzoli S., Szaniawski R., Zattin M., 2010. *Two stages*

*Neogene Exhumation of Western Carpathians*. Thermo congress. 16-20 September 2010, Glasgow, Wielka Brytania.

[13] Andreucci B., Jankowski L., Mazzoli S., Szaniawski R., Zattin M., 2010. *An example of two stages exhumation of a thrust and fold belt from the thermochronology of Western Carpathians*. 85 Congresso Nazionale della Società Geologica Italiana. Piza, Włochy.

[14] Jarmołowicz-Szulc K., Jankowski L., 2010, *Results of advanced mineralogical and geochemical studies in the Carpathian mélange zones and units (Polish-Ukrainian-Slovak "triangle")*. Geologia Balcanica 39, 1-2. XIX Congress of the Carpathian-Balkan Geological Association, Thessaloniki, Greece, 23-26 Sept. 2010, 173.

[15] Matyasik I., Jarmołowicz-Szulc K., Jankowski L., 2010, *Analiza charakteru materii organicznej w rejonie przygranicznym Karpat Zachodnich i Wschodnich*. Konferencja Naukowo-Techniczna GEOPETROL 2010 Prace nr 170, 675-680. Instytut Nafty i Gazu. Kraków, Prezentacja, rozszerzony abstrakt Czerwiec- wrzesień 2010.

[16] Andreucci B., Jankowski L., Mazzoli S., Szaniawski R., Zattin M., 2011. *The Neogene Evolution of Polish Outer Carpathians: constraints from low temperature thermochronology*. EGU General Assembly, Wiedeń, Austria.

[17] Jankowski L., Margielewski W., 2011, *Strukturalne uwarunkowania rzeźby Karpat zewnętrznych*. IX Zjazd Geomorfologów Polski. Poznań, 20-22.09. 2011 p65.

[18] Andreucci B., Castelluccio A., Jankowski L., Mazzoli S., Szaniawski R., Zattin M., 2011. *New thermochronological data from the Polish and Ukrainian Outer Carpathians*. Meeting of the Thermo Europe Research team on Carpathian thermochronology, 14-16 September 2011, Kraków, Polska.

[19] Andreucci B., Zattin M., Mazzoli S., Szaniawski R., Jankowski L., 2012. *Variable thermal histories along the northern Outer Carpathians: new thermochronological and thermal maturity data from Ukraine*. EGU General Assembly, Wiedeń, Austria.

[20] Castelluccio A., Andreucci B., Zattin M., Mazzoli S., Szaniawski R., Jankowski L., 2012. *Tectonothermal evolution of the Polish and Ukrainian Outer Carpathians: interplay between erosion and extensional tectonics within exhumation*. The 13th International Conference on Thermochronology. Guilin, Chiny.

[21] Szaniawski R., Mazzoli S., Jankowski L., Zattin M., 2013. *Kinematic history of the frontal*

*part of the Carpathians fold-and-thrust belt in eastern Poland and origin of its curved shape (so-called 'Przemyśl Sigmoid'): Insights from integrated anisotropy of magnetic susceptibility and structural analyses.* EGU General Assembly, Wiedeń, Austria.

[22]Mazzoli S., Castelluccio A., Andreucci B., Griego D., Jankowski L., Szaniawski R., Zattin M., 2013. *Tectonic evolution of the western carpathians thrust belt–forelandbasin system: new structural and thermochronometric constraints.* GSA Annual Meeting in Denver, USA.

[23] Castelluccio A., Andreucci B., Jankowski L., Ketcham R., Mazzoli S., Szaniawski R., Zattin M., 2013. *Coupling low-temperature thermochronometry and sequential restoration of balanced cross-sections: new constraints on the tectonic evolution of the Western Carpathians (Poland, Slovakia and Ukraine).* GSA Annual Meeting in Denver, USA.

[24]Rauch M., Jankowski L., Probulski J., 2013, *Evolution of the map-scale contractional structures in the eastern part of the Polish Outer Carpathians in light of the field trip investigation and the analogue modelling.* 11<sup>th</sup> Meeting of the CETeG. Vargesztes. 23-27 April 2013. Hungary.

[25]Leśniak G., Matyasik I., Jankowski L., *New approach to hydrocarbon migration in the Polish Carpathians based on outcrops analyses.* Copyright 2014, International Petroleum Technology Conference .Doha, Qatar, 20–22 January 2014 IPTC 17641

[26] Andreucci B., Zattin M., Castelluccio A., Mazzoli S., Szaniawski R., Jankowski L., 2013. *Geodynamics of the Carpathian-Pannonian region: Insights from low temperature thermochronology of the Polish and Ukrainian Carpathians.* EGU General Assembly, Wiedeń, Austria.

III. Teaching and sciences popularization achievements, and an international cooperation

Non

A) Participation in European programs, and other international cooperation:

Cooperation with : Medusa Oil, Aurelian Oil, Amoco, Silurian, PGNIG, Geokrak, Przedsiębiorstwo Geofizyczne Kraków, Geofizyka Kraków, Geofizyka Toruń, AGH, UW, Plymouth University, Uniwersytet w Rzymie, Uniwersytet Padwa. Instytut Nafty i Gazu Kraków, Instytut Ochrony Przyrody PAN, PDF Limited.

B) Active participation in international and national scientific conferences:

[1] Co-organization and co-leading the conference and workshop: Dziadzio P., Jankowski L., Kopciowski R., Matyasik I., Maksym A., 2004. *Elementy systemu naftowego od skały macierzystej do pułapki - wybrane przykłady z obrębu jednostki śląskiej*.

A conference was organized together with PGNIG and INIG employees. In the field session play elements were described. The lithology of source rocks, Carpathian oils and new data concerning Carpathian's geology were described. I estimate my contribution in this organizing of conference as 20%.

[2] Organization and leading the conference and workshop; *Chaotic complexes of polish Carpathians [Kompleksy chaotyczne Karpat Polskich]*. Materiały konferencyjne „Przewodnik sesji terenowej”, Kraków – Polańczyk 2008, 26–88.

The conference was devoted to the genesis and the position of chaotic complexes in structures of Carpathian orogeny. It was the first field conference devoted to this subject. My cartographic materials, the outcrop's acquaintance (mainly of Gorlice and Bieszczady areas) were used. The field session, oral session and conference materials were prepared by me individually, so then my contribution was 100%.

[3] Co-organization and co-leading the conference and workshop: Jankowski L., Margielewski W., Urban J., 2012, III Warsztaty Geomorfologii Strukturalnej. *Strukturalne i litofacjalne uwarunkowania rozwoju rzeźby Karpat zewnętrznych*. Beskid Niski-Beskid Sądecki-Babia Góra. Dukla – Piwniczna - Zawoja. 25-28 września 2012.

A conference was organized together with IOP employees. The aim of the conference was proving the influence of additional stages of tectonic deformations (strike-slips stage or collapse stage) on the image of the morphology of the Carpathians. Additionally some outcrop of tectonic mélanges were presented My participation in preparing the conference included the field recognizing, tectonic measurements, preparing conference materials, preparing the concept and the text, co-guiding the field session and giving the paper. My contribution is estimating..

[4] Co-organization and co-leading the conference and workshop: IGCP 574 (Bending and Bent Orogens, and Continental Ribbons) oraz IGCP 597 (Amalgamation and Breakup of Pangaea) w dniach 13-17.04.2013. Workshop was held on 13-17.04.2013 in the Inner Carpathians (Mała Fatra - Slovakia), Pieniny and Outer Carpathians (Poland). (Mała Fatra - Słowacja) oraz Pienin i Karpat Zewnętrznych (Polska). <http://meetingorganizer.copernicus.org/EGU2013/session/12076>  
<http://igcp.info/meeting/vienna2013/final>

The conference was prepared together with R. Szaniawski and S., Mazzoli.

The conference concerned the problems geological structure of the Carpathians; among others for results of balancing cross sections, termochronometric examinations. The process of orogenic collapse was discussed. The field session and guide book were prepared together. So then my contribution was 33%.

[5] Co-organization and co-leading the conference and workshop: Margielewski W., Urban J., Jankowski L., Buczek K., 2014, V Warsztaty Geomorfologii Strukturalnej. *Strukturalne i litofacjalne uwarunkowania rozwoju rzeźby Roztocza w aspekcie historii tektoniczno-basenowej Karpat i zapadliska przedkarpackiego*. Zwierzyniec-Józefów-Horyniec. 24-26 września 2014.

The conference was prepared together with IOP PAN employees. A purpose was a review a new concepts of the basinal - tectonic development of the Carpathians and Carpathian foredeep. Moreover an new concepts concerning of the morphology of Roztocze region. My participation in preparing the conference included the field recognizing, tectonic measurements, recognizing facies, collecting samples for stratigraphic investigations, preparing conference materials taking samples, preparing the concept and the text, co-guiding the field session and giving the paper. My contribution is estimating..

[6] Co-organization and co-leading the conference and workshop: Jankowski L., Leśniak G., - *Wybrane aspekty systemu naftowego a nowe spojrzenie na geologię Karpat*. Kraków – Polańczyk. Wrzesień 2015.

The conference concerned of the genesis and the position mélangé type chaotic complexes. The was devoted to a new views about the oil system of the Carpathians, peculiarly for migration paths. My cartographic materials and the outcrops acquaintance of Grybów, Gorlice, Węglówka and Bieszczady area were used. The field session, oral session and guidebook were prepared together with INIG employees. I estimate my contribution in this organizing of conference as 40%.

C) Participation in organizational comity of international and national conferences:

Non

D) Awards different then mentioned in II J:

Medal “Zasłużony dla polskiej  
geologii”

E) Participation in research consortia and networks:

Non

F) Leading international and national research project and participation in such a projects:

Non

G) Participation in editorial committee and scientific council of journals:

Non

H) Membership in international and national organisations and scientific societies:

Non

I) Teaching achievements in popularization of science and

art:

Non

J) Scientific supervision of undergraduate students:

Supervision (together with prof. M.A. Gasiński) of the master thesis carried out in Institute of Geological Sciences Jagiellonian University. mgr Lucyna Miszczyk pt „*Biostratygrafia oraz paleośrodowisko depozycji jednostki skolskiej okolicy Cisowej (jednostka skolska Karpat zewnętrznych) na podstawie zespołów otwornic*”. 2009

Supervision (together with dr hab. Anna Wysocka, dr .....) of the master thesis carried out in Department of Geology, University of Warsaw. mgr Aleksandra Stachowska pt. „*Analiza kierunków paleotransportu z zastosowaniem anizotropii podatności magnetycznej oraz klasycznych badań sedymentologicznych w warstwach krośnieńskich (Bieszczady Zachodnie)* . 2013

K) Scientific supervision of PhD students:

Non

L) Training and temporary stay in foreign and national scientific

centers:

1998- – University of Vienna

M) Expert assessments and other requested study:



Krapiec M., Baniak J., Buraczyński J., Danek M., Jankowski L., Kopciowski R., Matyszkiewicz J., Margielewski W., Wysocka A., Zielski A., 2007, *Dokumentacja wynikowa projektu „Kamienny las na Roztoczu – opis koncepcji badań naukowych wraz z wykonaniem dokumentacji tego stanowiska i określenie sposobów ochrony*. Requested study for Ministry of Environment.

N) Participation in expert

teams:

Non

O) Reviews of international and national projects:

Non

P) Reviews in international and national journals:

Geological Quarterly, 2 review

Przegląd Geologiczny, 1 review

Q) Other achievements not mentioned in III A – III

Non

Leszek Jankowski

A handwritten signature in blue ink that reads "Leszek Jankowski". The signature is written in a cursive style with a large, stylized initial 'L'.



