

Załącznik 4b

List of scientific or artistic achievements which present a major contribution to the development of a specific discipline

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**I. INFORMATION ON SCIENTIFIC OR ARTISTIC ACHIEVEMENTS SET OUT IN ART.
219 PARA 1. POINT 2 OF THE ACT**

I. 1. Cycle of scientific articles related thematically, pursuant to art. 219 para 1. point 2b of the Act;

Title of scientific achievement:

**Biostratigraphy and paleoenvironmental studies of the Polish Basin
based on Lower Cretaceous ammonites**

I.1.1. Publications included in the scientific achievement.

Electronic versions of publications submitted as the scientific achievement are included in **Załącznik 5**, while the co-authors' statements on individual contributions to the publications are provided in **Załącznik 6**.

[A1] **Ploch I.** 2003; Taxonomic interpretation and sexual dimorphism in the Early Cretaceous (Valanginian) ammonite *Valanginites nucleus* (Roemer, 1841). *Acta Geologica Polonica*, vol. 53, no. 3: 201-208.

Indexed in the Journal Citation Report

List MNIŚW, Scoring for the year of publication: 13 points; 2024 Score: 100 pkt.

IF for the year of publication: 0,4; current: 1,1; 5-year IF: 1

Citation count:

Scopus: 8, (excluded autocitations) 6

WoS:-

Google Scholar: 14, (excluded autocitations) 12

My participation in the preparation of the publication consisted: 1) management the research project covering the studies described in the paper, 2) collecting research material and conducting analyses, 3) developing research concepts and methodology, 4) literature studies, 5) compilation and calculation of research results in Tables and Figures 5-11 and the Appendix, 6) taking photos in Figures 5a-d, 7) creation of Figures 1-11, 8) preparation of the manuscript text, 9) preparation of responses to reviews, 10) preparation of the final version of the manuscript.

[A2] Dziadzio P., Gaździcka E., **Ploch I.**, Smoleń J. 2004; Biostratigraphy and sequence stratigraphy of the Lower Cretaceous in Central and SE Poland. *Annales Societatis Geologorum Poloniae*, vol. 74: 125-196.

Indexed in the Journal Citation Report

List MNIŚW, Scoring for the year of publication: 20 points; 2024 Score: 100 pkt.

IF for the year of publication 0,4; current: 1,2; 5-year IF -

Citation count:

Scopus: 23, (excluded autocitations) 19

WoS:-

Google Scholar: 34, (excluded autocitations) 26

My contribution to the preparation of the article included: 1) participation in the scientific project covering the research described in this work, 2) collection of research material on Lower Cretaceous ammonites, 3) development of the concept and methodology of research concerning the chapter on Lower Cretaceous ammonites from the study area, 4) literature studies on Lower Cretaceous ammonites, 5) selection and analysis of ammonites important for stratigraphy and paleogeography, 6) preparation of Figures 2-7, 9) preparation of the part of the manuscript text concerning Lower Cretaceous ammonites, 10) preparation of responses to reviews in the part concerning Lower Cretaceous ammonites, 11) participation in creating the final version of the manuscript of the article – the part concerning Lower Cretaceous ammonites and biostratigraphic conclusions.

[A3] **Ploch I.** 2007; Intraspecific Variability and Problematic Dimorphism in the Early Cretaceous (Valanginian) Ammonite *Saynoceras verrucosum* (d'Orbigny, 1841). *Acta Geologica Sinica* Vol. 81, No 6, pp. 801-806.

Indexed in the Journal Citation Report

List MNiSW, Scoring for the year of publication: 20 points; 2024 Score: 100 pkt.

IF for the year of publication 1,8; current: 3,5; 5-year IF 1,7

Citation count:

Scopus: 4, (excluded autocitations) 1

WoS: 8, (excluded autocitations) 6

Google Scholar: 9, (excluded autocitations) 6

My contribution to the preparation of the article included: 1) management of the research project covering the studies described in this paper, 2) collection of research material, 3) development of the research concept and methodology, 4) literature study, 5) compilation and calculation of research results in Figures 4-7, 6) taking photos for Table 1, Figures 1-11, 7) making Figures 1-7, 8) preparation of the manuscript text, 9) preparation of responses to reviews, 10) creation of the final version of the manuscript.

[A4] **Ploch, I.**, 2018. A discussion about Valanginian Neocomitinae from Central Poland, their ontogeny and possible origin. In: Bengtson, P. (Ed.), *Cretaceous Ammonites: A Volume in Memory of Richard A. Reymont (1926–2016)*, *Cretaceous Research* 88, 123-148.

Indexed in the Journal Citation Report

List MNiSW, Scoring for the year of publication: 100 points; 2024 Score: 70 pkt.

IF for the year of publication 2,1; current: 1,9; 5-year IF 2,2

Citation count:

Scopus: 3, (excluded autocitations) 2

WoS: 3, (excluded autocitations) 2

Google Scholar: 3, (excluded autocitations) 2

My contribution to the preparation of the article included: 1) management of the research project covering the studies described in this work, 2) collection of research material, 3) development of the research concept and methodology, 4) literature studies, 5) selection and processing of ammonites for research, 6) compilation and calculation of research results in graphs 9 A, B, 12 A, B, 15 A, B and

supplementary materials – Figs. 1-8, 7) taking photographs for Figs. 3.1-3, 4.1, 5.1-6, 6.1-5, 7.1-2, 11.1-3, 13-1-4, 14.1-6, 8) making Figs. 1-16, 9) preparation of the manuscript text, 10) preparation of responses to reviews, 11) creation of the final version of the manuscript.

[A5] Grabowski, J., Chmielewski, A., **Ploch, I.**, Rogov, M., Smoleń, J., Wójcik-Tabol, P., Leszczyński, K., Maj-Szeliga, K. 2020. Palaeoclimatic changes and inter-regional correlations in the Jurassic/Cretaceous boundary interval of the Polish Basin: portable XRF and magnetic susceptibility study. *Newsletter on Stratigraphy*, 54 (2). 1-36.

Indexed in the Journal Citation Report

List MNiSW, Scoring for the year of publication: 140 points; 2024 Score: 140 pkt.

IF for the year of publication 2,9; current: 2,1; 5-year IF 3,5

Citation count:

Scopus: 14, (excluded autocitations) 12

WoS: 10, (excluded autocitations) 9

Google Scholar: 13, (excluded autocitations) 11

My contribution to the preparation of the article included: 1) participation in the scientific project covering the research described in this work, 2) collection of research material on Berriasian ammonites, 3) participation in the development of the research concept and methodology, 4) literature studies, 5) selection and development of Berriasian ammonites, 6) co-production of Figures 1-3,12, 9) participation in the preparation of the text of the manuscript – the part concerning Berriasian ammonites and stratigraphic and paleoclimatic conclusions, 10) participation in the preparation of responses to reviews, 11) participation in the creation of the final version of the manuscript of the article.

[A6] Dziadzio P., **Ploch I.**, Smoleń J.,2021. Biostratigraphy and sequence stratigraphy of the Lower Cretaceous in the NW part of the Mid-Polish Trough, *Geological Quarterly*, 65 (4): 1-21.

Indexed in the Journal Citation Report

List MNiSW, Scoring for the year of publication: 100 points; 2024 Score: 100 pkt.

IF for the year of publication 1,51; current: 1,0; 5-year IF 1,3

Citation count:

Scopus: 0

WoS: 0

Google Scholar: 0

My contribution to the preparation of the article included: 1) managing the scientific project covering the research described in this work, 2) collecting part of the research material, 3) participating in the development of the research concept and methodology, 4) literature studies, 5) selecting and processing Lower Cretaceous ammonites from the study area, 6) preparing the results of biostartographic and geophysical studies, 7) taking A-G photos for Figures 2, 8) preparing Table 1 and Figures 1-4, 9) preparing the text of the manuscript (except for the chapters on geophysical studies and foraminifera and ostracods), 10) preparing responses to reviews, 11) creating the entire, final version of the manuscript of the article.

[A7] **Ploch, I.**, 2022. Paleocological implications of stable isotope analyses of the Upper Valanginian ammonites. *Cretaceous Research*, 140, 1-20.

Indexed in the Journal Citation Report

List MNI_{SW}, Scoring for the year of publication: 100 points; 2024 Score: 70 pkt.

IF for the year of publication 1,8; current: 1,9; 5-year IF 1,9

Citation count:

Scopus: 1, (excluded autocitations) 1

WoS: 1, (excluded autocitations) 1

Google Scholar: 1, (excluded autocitations) 1

My contribution to the preparation of the article included: 1) managing the scientific project covering the research described in this work, 2) collecting the research material, 3) developing the research concept and methodology, 4) literature studies, 5) selecting and preparing samples for testing the content of Ca%, Mg, Na, Sr, Fe, Mn, Al, Ni, Cu, Ce, La, Ba, Zn, Pb, U and for analyzing the $\delta^{13}\text{C}$, $\delta^{18}\text{O}$, $^{87}\text{Sr}/^{86}\text{Sr}$, 6) compiling and calculating the research results in Tables 1-2, Graphs 5-11, 7) taking photos for Figure 10, 8) making Figures 1-11, 9) preparing the text of the manuscript, 10) preparing responses to reviews, 11) creating the final version of the manuscript.

II. INFORMATION ON SCIENTIFIC OR ARTISTIC ACTIVITY

Prior to obtaining the PhD degree

II.1. List of published scientific monographs (including the monographs not mentioned in section I.1).

Not applicable

II.2. List of published chapters in scientific monographs.

Not applicable

II.3. Information about membership in editorial boards preparing scientific monographs for publication.

Not applicable

II.4. List of articles published in scientific journals (including the articles not mentioned in section I.2).

Not applicable

II.5. List of project, engineering and design as well as technological achievements (including the achievements not mentioned in section I.3).

Not applicable

II.6. List of public realizations of works of art (including the works not mentioned in section I.3).

Not applicable

II.7. Information on presentations given at national or international scientific or arts conferences, including a list of lectures delivered upon invitation and plenary lectures.

II.7.1 Presentations given at international scientific conferences

[B1] V International Symposium Cephalopoda – Present and Past, Vienna, September 1999

Oral presentation: „Problem of sexual dimorphism in the Valanginian (Lower Cretaceous) ammonites *Valanginites nucleus* and *Saynoceras verrucosum*”–**Ploch I.**, abstract published in the conference volume: 93.

[B2] 3 ème Congrès Francais de Stratigraphie STRATI 2002, Lyon, 8-10 June 2002

Oral presentation: “The palaeoenvironmental/palaeogeographic records in the lower Cretaceous of Poland” Gaździcka E., **Ploch I.**, Smoleń J. abstract published in the conference volume: 116-117.

Poster: “Integrated biostratigraphy of the lower Cretaceous in central and south-eastern Poland” Gaździcka E., **Ploch I.**, Smoleń J. abstract published in the conference volume: 114-115.

II.8. Information on participation in organizational and scientific committees at national or international conferences, including the applicant’s function.

Not applicable

II.9. Information on participation in the works of research teams realizing projects financed through national and international competitions, including the projects which have been completed and projects in progress, and information on the function performed in the team.

[C1] 1999–2000 grant from the Committee for Scientific Research (KBN) for young researchers, title: The problem of sexual dimorphism as a manifestation of intraspecific variability in Valanginian ammonites from Wąwał (Tomaszów Basin); I was the project manager and prime contractor of the project.

[C2] 2000–2003 grant from the Committee for Scientific Research (KBN), no. 6 P04D 066 18, title: Comprehensive and high-resolution stratigraphy of the Lower Cretaceous in the central and southeastern part of the Polish Lowlands in relation to the cyclical development of the sedimentary basin; project manager: Dr E. Gaździcka; I was one of the prime contractors of the project.

II.10. Membership in international or national organizations and scientific societies, including the functions performed by the applicant.

Not applicable

II.11. Information on internships completed in scientific or artistic institutions, also abroad, including the place, time and duration of the internship and its character.

[D1] **August 1999**, University of Tübingen (Germany), duration two weeks; studies of ammonite fauna.

[D2] **February 2000**, University of Bochum (Germany), duration two weeks; studies of ammonite fauna.

[D3] **September - October 2000**, University Claude Bernard in Lyon, Institut Dolomieu in Grenoble (France); duration two weeks; studies of ammonite fauna.

[D4] **January 2001**, Niedersächsisches Landesamt für Bodenforschung in Hannover (Germany); duration two weeks; studies of ammonite fauna.

II.12. Membership in editorial committees and scientific boards of journals, including the functions performed by the applicant (e.g. editor-in-chief, chairman of scientific board etc.).

Not applicable

II.13. Information on scientific or artistic works reviewed, in particular those published in international journals.

Not applicable

II.14. Information on participation in European or other international programmes.

Not applicable

II.15. Information on participation in research teams realizing projects other than those defined in section

[E1] **September-December 1999** – preparation of a collection of Lower Cretaceous ammonites from the Polish Basin for the geological museum of the Polish Geological Institute.

II.16. Information on membership in the teams assessing applications for financing of research projects, applications for scientific awards, applications in other competitions of scientific or didactic character.

Not applicable

After conferring the PhD degree

II.1. List of published scientific monographs (including the monographs not mentioned in section I.1).

Not applicable

II.2. List of published chapters in scientific monographs.

[F1] **Ploch, I.** 2009. Działalność dydaktyczno-popularyzatorska Muzeum Geologicznego Państwowego Instytutu Geologicznego. In: Jakubowski, K. J., Skoczylas, J., Ziomek, J., (eds.), Akademię muzea geologiczne w upowszechnianiu wiedzy o Ziemi. 141-146. ISBN 978-83-7525-293-4

List MNiSW, Scoring for the year of publication: no data; 2024 Score: 20 points

[F2] **Ploch, I.**, 2011, Further Perspectives of the Project “Sustainable Use and Protection of Groundwater Resources-Transboundary Water Management-Belarus Poland-Ukraine. In Grounwater management in the East of the European Union: transboundary strategies for sustainable use and protection of resources. Ed. by Nałęcz, T. Springer in Cooperation with NATO Public Diplomacy Division, Dordrecht: 2011, 15-19.

ISBN 978-90-481-9536-7

List MNiSW, Scoring for the year of publication: no data; 2024 Score: 20 points

[F3] Mitta, V. V., Ploch, I., 2012. Comparative study of the Berriasian ammonites of Poland and Central Russia (preliminary data). Contribution to current cephalopod research: Morphology, Systematics, Evolution, Ecology and Biostratigraphy. Proceeding of conference (Moscow, 9-11 April); Russian Academy of Science, pp. 99-101.

List MNiSW, Scoring for the year of publication: no data; 2024 Score: 20 points

[F4] Graniczny, M., Ploch, I., 2014, Geoscientific knowledge and skills in the African Geological Surveys. IGCP/SIDA Projects 594 and 606, Closing workshop, Prague, Czech Republic, 2014, Czech Geological Survey, 46-48.

List MNiSW, Scoring for the year of publication: no data; 2024 Score: 20 points

[F5] Ploch, I. 2021. Omówienie fauny amonitowej, jej pozycji stratygraficznej i biogeografii. In: Feldman-Olszewska, A., Massalska, B., (eds.), Profile głębokich otworów wiertniczych Oświno IG 1, 162:83-84. ISBN 978-83-66888-91-3

List MNiSW, Scoring for the year of publication: no data; 2024 Score: 20 points

II.3. Information about membership in editorial boards preparing scientific monographs for publication.

Not applicable

II.4. List of articles published in scientific journals (including the articles not mentioned in section I.2).

[G1] Hoedemaeker, P. J., Reboulet, S., Aguirre-Urreta, M., Alsen, P., Aoutem, M., Atrops, F., Barrangua, R., Company, M., Gonzales, C., Klein, J., Lukeneder, A., Ploch, I., Raisossadat, N., Ropolo, P., Rowson, P., Vašíček, Z., Vermeulen, J., Wippich, M. 2003; Report on the 1st International Workshop of the IUGS Lower Cretaceous Ammonite Working Group, the 'Kilian Group' (Lyon, 11 September 2002). *Cretaceous Research*, 24: 89-94.

List MNiSW, Scoring for the year of publication: 9 points; 2024 Score: 70 points

[G2] Ploch I. 2003; Taxonomic interpretation and sexual dimorphism in the Early Cretaceous (Valanginian) ammonite *Valanginites nucleus* (Roemer, 1841). *Acta Geologica Polonica*, 53(3): 201-208.

List MNiSW, Scoring for the year of publication: 13 points; 2024 Score: 100 points

[G3] Dziadzio P., Gaździcka E., Ploch I., Smoleń J. 2004; Biostratigraphy and sequence stratigraphy of the Lower Cretaceous in Central and SE Poland. *Annales Societatis Geologorum Poloniae*, 74: 125-196.

List MNiSW, Scoring for the year of publication: 20 points; 2024 Score: 100 points

[G4] Gierliński G., Ploch I., Sabath K., Ziaja J. 2006; An Early Jurassic problematical plant from the Holy Cross Mountains, central Poland. Zagadkowa roślina z wczesnej jury Gór Świętokrzyskich. *Przegląd Geologiczny*, 54 (2): 139-141.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G5] Reboulet, S., Hoedemaeker, P. J., Aguirre-Urreta, M., Alsen, P., Atrops, F., Baraboshkin, E. Y., Company, M., Delanoy, G., Dutour, Y., Klein, J., Latil, J-L., Lukeneder, A., Mitta, V., Mourgues, F. A., Ploch, I., Raisossadat, N., Ropolo, P., Sandoval, J., Tavera, J. M., Vasicek, Z., Vermeulen, J. 2006; Report on the 2nd International Meeting of the IUGS Lower Cretaceous Ammonite Working Group, the "Kilian Group" (Neuchâtel, Switzerland, 8 September 2005). *Cretaceous Research*, 27: 712-715.

List MNiSW, Scoring for the year of publication: 15 points; 2024 Score: 70 points

[G6] Gaździcka E., Dziadzio P., Ploch I., & Smoleń J. 2006; Biostratigraphy and sequence stratigraphy of the Lower Cretaceous in Central and SE Poland—Reply. *Annales Societatis Geologorum Poloniae*, 76: 321-325.

List MNiSW, Scoring for the year of publication: 20 points; 2024 Score: 100 points

[G7] Ploch I. 2006. Międzynarodowe badania zmian klimatu prowadzone przez Państwowy Instytut Geologiczny w ramach NATO Science. *Przegląd Geologiczny*, 54 (3): 208.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G8] Ploch I. 2007; Intraspecific Variability and Problematic Dimorphism in the Early Cretaceous (Valanginian) Ammonite *Saynoceras verrucosum* (d'Orbigny, 1841). *Acta Geologica Sinica* 81 (6): 801-806.

List MNiSW, Scoring for the year of publication: 20 points; 2024 Score: 100 points

[G9] Nałęcz T., Ploch I. 2007; Sustainable Use and Protection of Groundwater Resources — Transboundary Water Management — Belarus, Poland, Ukraine — pierwszy etap programu NATO Lwów, Ukraina, 22–23.05.2007. *Przegląd Geologiczny*, 55 (7): 556.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G10] Nałęcz T., Kazimierski B., Ploch I. 2008; Współpraca międzynarodowa łącząca transgraniczną ocenę zagrożeń środowiskowych z zarządzaniem zasobami wód podziemnych. *Przegląd Geologiczny*, 56 (2): 109-110.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G11] Iwańczuk, J., Woroncowa-Marcinowska, T., Ploch, I. 2008. Otwarcie Muzeum Ziemi im. Karola Sabatha — Solec Kujawski, 24.05.2008. *Przegląd Geologiczny*, 56 (08/2): 733-744, 787-788.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G12] Westermann, S., Föllmi, K.B., Adatte, T., Matera, V., Schnyder, J., Fleitmann, D., Fiet, N., Ploch, I., Duchamp-Alphonse, S., 2009, Does the Valanginian positive carbon-isotope excursion correspond to an undercover oceanic anoxic episode? *Earth and Planetary Science Letters*, 290, 118-131.

List MNiSW, Scoring for the year of publication: 32 points; 2024 Score: 140 points

[G13] Graniczny, M., Gogołek, W., Ploch, I., Urban, H. 2011. Fascynująca geologia Tanzanii. *Przegląd Geologiczny*, 59 (8): 561-565, 592.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G14] Kujau, A., Heimhofer, U., Hochuli, P. A., Pauly, S., Morales, Ch., Adatte, T., Föllmi, K., **Ploch, I.**, Mutterlose, J. 2013. Reconstructing Valanginian (Early Cretaceous) mid-latitude vegetation and climate dynamics based on spore–pollen assemblages. *Review of Palaeobotany and Palynology*, 197: 50–69.

List MNiSW, Scoring for the year of publication: 35 points; 2024 Score: 70 points

[G15] Żarski, M., Jakubowski, G., **Ploch, I.**, 2014. Znaleźisko kości ssaków plejstocenijskich w Garwolinie (Nizina Mazowiecka), *Przegląd Geologiczny*, 62(10/1): 525-531.

List MNiSW, Scoring for the year of publication: 7 points; 2024 Score: 40 points

[G16] Morales, C, Kujau, A., Spangenberg, J.E., Mutterlose, J., Heimhofer, U., Adatte, T., **Ploch, I.**, Föllmi, K.B., 2015. Palaeoenvironmental change through the onset of the Valanginian carbon-isotope excursion: evidence from the Polish Basin. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 426. 183–198.

List MNiSW, Scoring for the year of publication: 35 points; 2024 Score: 100 points

[G17] **Ploch, I.**, Kozłowski, A., Kowalski, A., Wojewoda, J. 2017. Terenowe warsztaty „Współczesne problemy kartografii geologicznej w Polsce–postępy w kartografii geologicznej Sudetów” Lewin Kłodzki, 21–23 kwietnia 2017. *Przegląd Geologiczny*, 65 (6): 353-355.

List MNiSW, Scoring for the year of publication: 12 points; 2024 Score: 40 points

[G18] Reboulet, S., Szives, O., Aguirre-Urreta, B., Barragán, R., Company, M., Frau, C., Kakabadze, M. V., Klein, J., Moreno-Bedmar, J. A., Lukeneder, A., Pictet, A., **Ploch, I.**, Raisossadat, S. N., Vašíček, Z., Baraboshkin, E. J., Mitta, V. V. 2018. Report on the 6th International Meeting of the IUGS Lower Cretaceous Ammonite Working Group, the "Kilian Group" (Vienna, Austria, 20 September 2017), *Cretaceous Research*, 91 (4): 100-110.

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 70 points

[G219] **Ploch, I.** 2018. A discussion about Valanginian Neocomitinae from Central Poland, their ontogeny and possible origin. In: Bengtson, P. (Ed.), *Cretaceous Ammonites: A Volume in Memory of Richard A. Reymont (1926–2016)*, *Cretaceous Research*, 88, 123-148.

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 70 points

[G20] Granoszewski, W., Kowalczyk, A., **Ploch, I.**, Rubinkiewicz, J., Uścińowicz, G., Woźnicka, M., Kępińska–Kasprzak, M., Limanówka, D., Doktor, R., Struzik, P., Dubel, A., Skotak, K., Hajto, M., Kozyra, J., Pudełko, R., Żyłowska, K., Jędrejek, A., Łopatka, A., Jadczyzyn, J., Nieróbca, A., Doroszewski, A., Barszczewska, M. 2020. Rola instytutów badawczych we wsparciu działań adaptacyjnych do zmian klimatu. *Przegląd Geologiczny*, 68 (1): 25-44.

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 40 points

[G21] Grabowski, J., Chmielewski, A., **Ploch, I.**, Rogov, M., Smoleń, J., Wójcik-Taboń, P., Leszczyński, K., Maj-Szeliga, K. 2020. Palaeoclimatic changes and inter-regional correlations in the Jurassic/Cretaceous boundary interval of the Polish Basin: portable XRF and magnetic susceptibility study. *Newsletters on Stratigraphy*, 54 (2): 1-36.

List MNiSW, Scoring for the year of publication: 140 points; 2024 Score: 140 points

[G22] Dziadzio, P., **Ploch, I.**, Smoleń, J. 2021. Biostratigraphy and sequence stratigraphy of the Lower Cretaceous in the NW part of the Mid-Polish Trough. *Geological Quarterly*, 65 (4): 1-21.

List MNiSW, Scoring for the year of publication: 100 points; 2024 Score: 100 points

[G23] Šimunek, Z., **Ploch, I.** 2022. The new flora from the Permian of the Intrasudetic Basin, Poland. *Geologia Croatica*, 75 (2): 199–209.

DOI: <https://doi.org/10.4154/gc.2022.18>

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 40 points

[G24] **Ploch, I.** 2022. Paleocological implications of stable isotope analyses of the Upper Valanginian ammonite. *Cretaceous Research*, 140(51): 105322.

DOI: <https://doi.org/10.1016/j.cretres.2022.105322>

List MNiSW, Scoring for the year of publication: 100 points; 2024 Score: 70 points

[G25] **Ploch, I.** 2022. Jubileuszowa sesja obchodów 100lecia Polskiego Towarzystwa Geologicznego. *Przegląd Geologiczny*, 70 (6): 485-488.

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 40 points

[G26] **Ploch, I.** 2022. Z kart historii Oddziału Warszawskiego Polskiego Towarzystwa Geologicznego. *Przegląd Geologiczny*, 70 (4): 300-302.

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 40 points

[G27] Sikora, R., Waśkowska, A., Kowalczyńska, O., Krzywiec, P., **Ploch, I.** 2022. Sto lat Polskiego Towarzystwa Geologicznego (1921–2021). *Przegląd Geologiczny*, 70 (4): 247-266.

List MNiSW, Scoring for the year of publication: 40 points; 2024 Score: 40 points

[G28] **Ploch, I.** Van Loon, A.J. (Tom), Awdankiewicz, M., Voigt, S., Raczyński, P. 2023. First evidence of seismically-induced deformations in fluvial deposits of the Lower Rotliegend in the Intra-Sudetic Basin, SW Poland. *Geological Quarterly*, 67, 52.

DOI: 10.7306/gq.1722

List MNiSW, Scoring for the year of publication: 100 points; 2024 Score: 100 points

[G29] Szives, O., Moreno-Bedmar J., A., Aguirre-Urreta, B., Company, M, Frau, C., Lopez-Horgue, M., Pictet, A., **Ploch, I.**, Salazar, Ch., Barragan, R., Latil, J-L., Lehmann, J., Robert, E., Reboulet, S. 2024. Report on the 7th International Meeting of the IUGS Lower Cretaceous Ammonite Working Group, the Kilian Group (Warsaw, Poland, 21st August 2022): State of the art on the current Standard Ammonite Zonation of the Western Tethyan Mediterranean Province. *Cretaceous Research* 153, 105716.

DOI: [10.1016/j.cretres.2023.105716](https://doi.org/10.1016/j.cretres.2023.105716)

List MNiSW, 2024 Score: 70 points

[G30] Voigt, S., Calábková, G., **Ploch, I.**, Nosek, V., Pawalak, W., Raczyński, P., Spindler, F., Werneburg, R. 2024. A diadectid skin impression and its implications for the evolutionary origin of epidermal scales. *Biology Letters* 20, 20240041.

DOI: <https://doi.org/10.1098/rsbl.2024.0041>

List MNiSW, 2024 Score: 140 points

[G31] Pawlak W., **Ploch, I.**, Raczyński, P., Štamberg, S., Kiersnowski, H. 2024. A new early Permian actinopterygian assemblage shows environmental controls on the distribution of *Paramblypterus* (Intra-Sudetic Basin, Poland). *Geological Quarterly* 68, 12.

DOI: <http://dx.doi.org/10.7306/gq.1741>

List MNiSW, 2024 Score: 100 points

II.5. List of project, engineering and design as well as technological achievements (including the achievements not mentioned in section I.3).

Not applicable

II.6. List of public realizations of works of art (including the works not mentioned in section I.3).

[H1] 2004 – co-authorship and coordination of work on the exhibition title “Sulfur from Hell” at the Geological Museum of the Polish Geological Institute NRI.

[H2] 2007 – co-authorship and coordination of work on the exhibition title “Time of the Mammoth” at the Geological Museum of the Polish Geological Institute NRI.

II.7. Information on presentations given at national or international scientific or arts conferences, including a list of lectures delivered upon invitation and plenary lectures.

II.7.1. Presentations given at national scientific conferences.

[I1] XVII Konferencja Paleontologów PTG, Poznań, 26-28 wrzesień 2002.

Poster: „Kompleksowa stratygrafia kredy dolnej w centralnej i południowo-wschodniej Polsce”. Gaździcka E., **Ploch I.**, Smoleń J. abstract published in the conference volume.

[I2] Konferencja 15 lat Ośrodków Edukacyjnych w Parkach Narodowych, Izabelin 23-24.03.2006.

Oral presentation: „Przyroda nieożywiona jako baza edukacji ekologiczno-geologicznej – możliwości współpracy z Parkami Narodowymi”. **Ploch, I.**, Krzeczyńska, M. abstract published in the conference volume: 17.

[I3] Konferencja Naukowa-Ochrona przyrody w parkach krajobrazowych, Barzkowice, 19-20 września 2006.

Oral presentation: “Ochrona przyrody nieożywionej – programy i ich perspektywy”. **Ploch, I.**, Krzeczyńska, M. Abstract published in the conference volume: 95.

[I4] Konferencja Biologia Raf Koralowych: 13-14.10.2007 Warszawa,

Oral presentation: „Dawne rafy koralowe”. **Ploch I.** Abstract published in the conference volume.

[I5] Konferencja Akademickie Muzea Geologiczne – zadania badawcze, dydaktyczne i popularyzatorskie, Łódź, 17-18 czerwca 2008.

Oral presentation: „Działalność badawczo popularyzatorska Muzeum Geologicznego PiG i Muzeum Geologiczne Państwowego Instytutu Geologicznego w Warszawie”. **Ploch I.**

[I6] Konferencja Naukowa Zmiany paleoklimatyczne w przeszłości geologicznej 23-24 listopada 2011 Warszawa.

Oral presentation: „Zapis zmian paleośrodowiskowych w dolnej kredzie na niżu polskim nawiązujący do globalnych cykli klimatycznych”. **Ploch, I.**, Rosowiecka, O. Abstract published in the conference volume: 44

[I7] II Polski Kongres Geologiczny, 17-19 wrzesień 2012, Warszawa.

Poster: „Geologia w praktyce – projektowany transgraniczny Geopark Niecki Śródsudeckiej – Skalne Krajobrazy”. Koźma, J., **Ploch, I.**, Steyer, S. Abstract published in the conference volume.

[I8] 82 Zjazd Naukowy Polskiego Towarzystwa Geologicznego, 19-21 IX 2013 r. Ustroń.

Poster: „Dolno permskie tropy gadów i płazów–najciekawsze tego typu stanowisk na Dolnym Śląsku”. Koźma, J., **Ploch, I.** Abstract published in the conference volume.

[I9] 84 Zjazd Naukowy Polskiego Towarzystwa Geologicznego, Chęciny, 9-11 września 2015.

Poster: „Badania dolnej kredy północnego obrzeżenia Gór Świętokrzyskich dotychczasowe wyniki i nowe perspektywy”. Grabowski, J., **Ploch, I.** Abstract published in the conference volume: 91.

[I10] Konferencja Naukowa Zmiany klimatyczne w przeszłości geologicznej, Warszawa, 24-25 listopada 2015.

Oral presentation: „Basen Polski jako przykład zapisu zmian paleośrodowiska we wczesnej kredzie”. **Ploch, I.** Abstract published in the conference volume: 71.

[I11] III Polski Kongres Geologiczny, 15.09.2016.

Oral presentation: „Europa dla Afryki–System Obserwacji Zasobów Geologicznych–AEGOS, Wyzwania Polskiej Geologii”. Graniczny, M., **Ploch, I.** Abstract published in the conference volume: 314.

Oral presentation: „Problematyka rozwoju ontogenetycznego w analizie porównawczej amonitów z podrodziny Neocomitinae”. **Ploch, I.** Abstract published in the conference volume: 313.

[I12] Konferencja Naukowa Zmiany klimatyczne w przeszłości geologicznej 9 -11 grudnia 2020 r.

Oral presentation: „Gdzie powinna być geologia–pokłosie Konferencji Stron Ramowej konwencji Narodów Zjednoczonych dotyczącej zmian klimatu”. **Ploch, I.** Abstract published in the conference volume.

[I13] Sympozjum Historyczne Polskiego Towarzystwa Geologicznego, 21 stycznia 2022.

Oral presentation: „Historia Oddziału Warszawskiego Polskiego Towarzystwa Geologicznego”. **Ploch, I.**

[I14] 88 Zjazd naukowy Polskiego Towarzystwa Geologicznego, Dobczyce, 18-20.05.2023 r.

Poster: „Bogate znaleziska tropów permskich czworonogów w dolnopermskim piaskowcu budowlanym synklinorium śródsudeckiego”. **Ploch, I.**, Voigt, S., Raczyński, P. Abstract published in the conference volume: 34.

[I15] IV Polski Kongres Geologiczny Poznań, 10–14 czerwca 2024 r.

Oral presentation: „Paleośrodowisko dolnego permu (formacja ze Słupca) w świetle najnowszych wyników badań prowadzonych przez PIG-PIB w basenie śródsudeckim”. **Ploch, I.**, Wojciech Pawlak, W., Voigt, S., Paweł Raczyński, P. Abstract published in the conference volume: 130.

II.7.2. Presentations given at international scientific conferences.

[J1] VI International Symposium-Cephalopods Present & Past, Fayetteville, 16-19 September 2004.

Oral presentation: „Results of stable isotope analyses of the Valanginian ammonites from Central Poland: implication of paleoecology”. **Ploch, I.** Abstract published in: Abstract volume VI

International Symposium-Cephalopods Present & Past, Fayetteville, 16-19 September 2004, p. 133-134.

[J2] 7th International Symposium on the Cretaceous, Neuchâte, 5-9 September 2005.

Referat: pt. Record of the global environmental changes in the epicratonic Polish Basin. **Ploch, I.** Abstract published in: Abstract volume 7th International Symposium on the Cretaceous, Neuchâte, 5-9 September 2005, p. 174.

[J3] European Geosciences Union, General Assembly, Vienna, 15-20 April 2007.

Oral presentation: „Lower Cretaceous paleoenvironmental changes in the Polish Basin—possible information from various fossil groups associated with depositional sequences”. Gaździcka, E., **Ploch, I.**, Smoleń, J. Abstract published in: Geophysical Research Abstracts, European Geosciences Union, General Assembly, Vienna, 15-20 April 2007, Vol. 9, 11691.

[J4] 8 Paleontologická konferencja, jún 2007, Bratislava.

Poster: „Tropy dinozaurów w kolekcjach Muzeum Geologicznego PIG”. Gierliński, G., Mizerski, W., **Ploch, I.** Abstract published in: Streszczenie referatów. 8 Paleontologická konferencja, jún 2007, Bratislava.p. 43.

[J5] ICDP workshop on “Deep Terrestrial Scientific Drilling Project of the Cretaceous Songliao Basin” & “Rapid Environmental/Climate Change in the Cretaceous Greenhouse World: Ocean-Land Interactions” August 28-30, 2007 Daqing, China.

Oral presentation: „Record of the Valanginian global pattern of environmental change in the Polish basin”. **Ploch, I.** Abstract published in: Abstract volume ICDP workshop on “Deep Terrestrial Scientific Drilling Project of the Cretaceous Songliao Basin” & “Rapid Environmental/Climate Change in the Cretaceous Greenhouse World: Ocean-Land Interactions” August 28-30, 2007 Daqing, China.

[J6] 7th International Symposium Cephalopds—Present and Past, September 14-16, 2007, Sapporo, Japan.

Oral presentation: „New approach on the late Valanginian ammonite habitat in the Polish basin”. **Ploch, I.** Abstract published in: Abstract volume 7th International Symposium Cephalopds—Present and Past, September 14-16, 2007, Sapporo, Japan. p.74.

[J7] Second International Congress on Ichnology, Cracow, Poland, September 1-5, 2008.

Oral presentation: „Dinosaur footprints in Poland—developing educational and geodiversity conservation programs”. **Ploch, I.** Abstract published in: Abstract book, Second International Congress on Ichnology, Cracow, Poland, September 1-5, 2008. p. 107.

[J8] 9 Czesko-Polsko-Słowacka Konferencję Paleontologiczną, 10-11 October 2008, Warszawa, Polska.

Oral presentation: „The Berriasian ammonite Riasanites from the Polish basin and the Russian Platform—implication of palaeobiogeography”. Mitta, V. V., **Ploch, I.** Abstract published in: Abstracts, 9th Paleontological Conference, 10-11 October 2008, Warszawa, 61.

[J9] AEGOS Workshop 3a Brussels—May 18th – 20th, 2009.

Oral presentation: „Work pack 4-Preparation of innovative projects based on AEGOS”. **Ploch, I.**

[J10] AEGOS Workshop 4a, Lusaka, Zambia–24th-29th August, 2009.

Oral presentation: „WP4 questionnaire’s results”. Graniczny, M., Gogołek, W., **Ploch, I.**

[J9] 10th Anniversary Conference of the Czech, Polish and Slovak Paleontologists, 11-15 October 2009, Banská Bystrica, Słowacja.

Oral presentation: „Paleoecology of some Valanginian ammonoids: evidence from their abundance variations and isotopic data of the shells”. Reboulet, S., **Ploch, I.**, Rard, A. Abstract published in: Abstracts and Guide of Excursion, 10th Anniversary Conference of The Czech, Polish and Slovak Paleontologists, 11-15 October 2009, Banská Bystrica, Słowacja, 44-45.

[J10] 8th International Symposium on the Cretaceous System, 07-11 September 2009, Plymouth, Anglia.

Oral presentation: „The ammonite migrations in the Tethyan and Sub-Boreal basins during Rjasanensis Chron (Berriasian)”, Mitta, V., **Ploch, I.** Abstract published in: Abstract Volume. 8th International Symposium on the Cretaceous System, 07-11 września 2009, Plymouth, Anglia, p. 176-177.

[J11] ProGeo International Conference, 6-10 września 2010, Gdańsk.

Oral presentation: „Selected examples of geodiversity protection in Poland”, Graniczny, M., **Ploch, I.** Abstract published in: Book of Abstracts. ProGeo International Conference, 6-10 September 2010, Gdańsk, p. 10-11.

[J12] AEGOS Workshop 3b/4b Dakar, Senegal–11th-13th October, 2010.

Oral presentation: „Preparation of road map”. Dusart J., **Ploch, I.**

[J13] AEGOS Final Conference–19 April, 2011–Dakar, Senegal.

Oral presentation: „Innovative spin-off projects based on AEGOS”. Graniczny M., Gogołek W., **Ploch I.**

[J14] AEGOS Workshop-Sustainable management of mineral resources, environmental issues and geoturistic potential in Central African Copperbelt (D. R. Congo and Zambia), Lubumbashi, DR Congo–28th-30th March, 2011.

Oral presentation: „Presentation of AEGOS ideas”. Urvois M., **Ploch I.**

Oral presentation: „Objectives, tasks, generic approach for the generation of user –oriented products and services dedicated to georesources”. Graniczny, M., Gogołek, W., **Ploch, I.**

[J15] EGS–OAGS Workshop, Accra, Ghana, September 2013.

Oral presentation: „Introduction to the Geoscientific knowledge and skills in the African Geological Surveys Feasibility Study”. Graniczny, M., **Ploch, I.**

[J16] OAGS-EGS Workshop-Europe-Africa geoscientific cooperation 27th March 2014 Royal Belgian Institute of Natural Sciences, Brussels.

Oral presentation: „Road map of the PAP project”. Graniczny, M., **Ploch, I.**

[J17] 6th International Meeting of the IUGS Lower Cretaceous Ammonite Working Group, the "Kilian Group" (Vienna, Austria, 20 September 2017).

Oral presentation: „Berriasian ammonite of the Polish Basin and their migrations during rjasanensis Chron”. **Ploch, I.**

[J18] DEEP DUST: Probing Continental Climate of the Late Paleozoic Icehouse-Greenhouse Transition, ICDP Workshop 2.0, Paris, France, January 27-28, 2020.

Referat: pt. Polish Permian basins—short introduction. **Ploch, I.**

[J19] 35th IAS Meeting of Sedimentology: Prague, Czech Republic 21-25 June 2021.

Oral presentation: „Early Permian-Rotliegend ichnofossil assemblage from Bieganów quarry and surrounding localities, Słupiec Fm—Intrasudetic Basin”. Kiersnowski, H., Kowalski, A., **Ploch, I.**, Raczyński, P. Abstract published in: Book of abstracts.

[J20] 11th International Cretaceous Symposium, Warsaw, Poland 2022.

Oral presentation: „Palaeoenvironmental and palaeogeographic implications of the Valanginian in the Polish Basin based on ammonites and Dinoflagellate cysts”. **Ploch, I.**, Barski, M., Duxbury, S., Fenton, J. Abstract published in: Abstract volume 11th International Cretaceous Symposium, Warsaw Poland 2022, 299-300.

[J21] 21. Slovak–Czech–Polish Palaeontological Conference, May 23–25, 2022.

Poster: “Initial results of the unification of Lower Permian stratigraphic schemes of the Intra-Sudetic Basin across the Poland–Czech Republic boundary”. **Ploch, I.**, Pawlak, W., Raczyński, P., Voigt, S., Šimůnek, Z., Awdankiewicz, M., Štamberg, S. Abstract published in: Field trip guide and abstracts book, 176-177.

[J22] EGU General Assembly 2023, Vienna, Austria, 24–28 Apr 2023.

Oral presentation: „Problematic age and stratigraphic position of the volcano-sedimentary Słupiec/Broumov formation in the Permian of the Intrasudetic Basin”. **Ploch, I.**, Awdankiewicz, M., Pawlak, W., Peryt, T., Raczyński, P., Voigt, S., Pańczyk, M.
<https://doi.org/10.5194/egusphere-egu23-5168>, 2023.

II.8. Information on participation in organizational and scientific committees at national or international conferences, including the applicant’s function.

[K1] Preparation and organization of the 2nd Polish Geological Congress, 17-19 September 2012, Warsaw; member of the Organizing Committee, participation in the organization of the Congress at all stages of its preparations.

[K2] Preparation and organization of the 83rd Scientific Congress of the Polish Geological Society in Biała Podlaska, 29-31 May 2014; chairwoman of the Organizing Committee, organization of the Congress at all stages of its preparations.

[K3] Preparation and organization of the 84th Scientific Congress of the Polish Geological Society, Chęciny, 9-11 September 2015; chairwoman of the Organizing Committee, organization of the Congress at all stages of its preparations.

[K4] Preparation and organization of the 3rd Polish Geological Congress, Wrocław, 14-18 September 2016; member of the Scientific Committee and Organizing Committee, participation in the organization of financing of all stages of its preparations and settlement of the funds obtained, and substantive support of the activities.

[K5] Preparation and organization of the 86th Scientific Congress of the Polish Geological Society, Łuków, September 2-5, 2018; Chairwoman of the Organizing Committee, organization and preparation of the Congress.

[K6] Preparation and organization of the celebrations of the 100th anniversary of the Polish Geological Society, including the ceremonial jubilee session on the occasion of the centenary of the Polish Geological Society in 2023; member of the Organizing Committee, co-organization and preparation of materials for the sessions and accompanying events.

[K7] Preparation and organization of the 88th Scientific Congress of PTGeol, Perspektywy badań geologicznych, hydrogeologicznych i poszukiwań złóż w Małopolsce w 120-lecie teorii płaszczowinowej w Karpatach, Dobczyce, May 18-20, 2023, member of the Organizing Committee, participation in the preparation of the program and materials.

II.9. Information on participation in the works of research teams realizing projects financed through national and international competitions, including the projects which have been completed and projects in progress, and information on the function performed in the team.

[L1] **2003 – 2004** grant from the National Fund for Environmental Protection and Water Management, no. 159/2003/Wn-50/EE-BS/B, title: Ecological education on the Internet. Using the resources of the PIG Geological Museum for educational purposes. I was the grant manager and one of the prime contractors. In 2005, an application was submitted to the Ministry of the Environment for the minister's award for the aforementioned innovative online lessons.

[L2] **2004 - 2006** grant from the National Fund for Environmental Protection and Water Management, title: Stratigraphic table of Poland. Manager: Prof. Ryszard Wagner; I was responsible for managing the preparation of the educational stratigraphic table.

[L3] **2005 – 2007** grant from the Voivodeship Fund for Environmental Protection and Water Management in Kielce, no. 105/05, title: Ecological education based on dinosaur footprint sites in the Świętokrzyskie region. I was the grant manager and one of the prime contractors.

[L4] **2005 - 2008** international research grant from NATO Science, CLG, title: Strategic understanding of security threats caused by global climate change. I was the grant manager and one of the prime contractors.

[L5] **2006 - 2010** international research grant from NATO SPS, title: Sustainable Use and Protection of Groundwater Resources - Transboundary Water Management - Belarus, Poland, Ukraine. Head of grant: Dr. Tomasz Nałęcz; I was the prime contractors of the grant.

[L6] **2007 - 2010** research grant from the Ministry of Science and Higher Education, no. N525 032 32/3063, title: Scientific research and popularization of knowledge about the abiotic environment based on dinosaur footprint sites. I was the grant manager and one of the prime contractors.

[L7] **2009 - 2011** international research grant from FP7, no. 212545, title: African-European Geological Resources Observing System (AEGOS), run by Bureau de Recherches Géologiques et Minières (BRGM), I was the prime contractors and support Technical Coordinator.

[L8] **2010** international research grant from FP7-SPACE-2009-1 / 04.12.2008, title: Ground Deformation Risk Scenarios: An Advanced Assessment Service (DORIS), run by Consiglio Nazionale delle Ricerche (CNR), I was one of the contractors.

[L9] **2010 - 2012** international research grant from FP7-SPACE-2009-1.1.01/ Stimulating the development of downstream GMES services, title: GMES-service for monitoring and forecasting subsidence hazards in coastal areas around Europe (SubCoast), conducted by Geological Survey of the Netherlands (TNO), I was one of the contractors.

[L10] **2013 - 2014** international research grant from EUROPEAN UNION EXTERNAL ACTIONS (European Commission DG Development and Cooperation – EuropeAid), no. FED 2013 323-534, title: Geoscientific knowledge and skills in African Geological Surveys, conducted by EuroGeoSurveys (EGS) and the Polish Geological Institute PIB, I was the one of prime contractors and support of the Polish Coordinator.

[L11] **2014 - 2015** conducting a research grant from the Ministry of Science and Higher Education, no. 9020/R14/R15, title: Geopark Niecki Śródsudeckiej - a transboundary area of Polish-Czech cooperation. I was the grant manager and one of the prime contractors.

[L12] **2016 - 2017** participating in the grant from the National Fund for Environmental Protection and Water Management, no. 116/2016/Wn50/EE-se/D, title: III Polish Geological Congress. Head of the project: Dr. Jurand Wojewoda, I was one of the contractor.

[L13] **2018 – 2019** grant from the National Fund for Environmental Protection and Water Management, no. 133/2019/Wn-07/FG-SM-DN/D, title: High-resolution record of climate changes over the past millennia based on biogenic sediment analysis, dendrochronology and isotopic studies. Head of the project: Dr. Wojciech Granoszewski, I was leading the task no. 2: Organization of a special session during COP 24.

[L14] **2020 – 2022** international research grant from the Polish Ministry of Science and Higher Education, no. PPN/BFR/2020/1/00050/U/00001, title: Holostratigraphy and palaeoenvironmental changes of around the Berriasian-Valanginian boundary (140-135 Ma) in France and Poland. Head of the project: Prof. Jacek Grabowski, I was one of the prime contractors.

[L15] **2018 - 2023** international research grant from the National Science Centre, no. 2017/26/M/ST10/00646, title: Palaeogeographic maps of the Permian non-marine basins of the Central Europe. Head of the project: Prof. Tadeusz Peryt; I was the prime contractor responsible for conducting field work and substantive supervision of the research conducted.

II.10. Membership in international or national organizations and scientific societies, including the functions performed by the applicant.

[Ł1] **2003 – present** Member of the “Kilian Group” international working group of Lower Cretaceous ammonites within the IUGS Cretaceous stratigraphy subcommission.

[Ł2] **2006 – 2013** Member of the board of the Warsaw Branch of the Polish Geological Society.

[Ł3] **2013 – present** Chairwoman of the Warsaw Branch of the Polish Geological Society.

II.11. Information on internships completed in scientific or artistic institutions, also abroad, including the place, time and duration of the internship and its character.

[M1] **November 2003**, University Claude Bernard in Lyon (France), duration two weeks; studies of ammonite fauna.

[M2] **May-July 2011**, postdoctoral fellowship from the Kościuszko Foundation at the American Museum of Natural History (USA), duration three months; studies of ammonite fauna.

[M3] **August 2012**, MNHN - Département Histoire de la Terre - France, duration two weeks; participation in the research of Permian outcrops in France.

II.12. Membership in editorial committees and scientific boards of journals, including the functions performed by the applicant (e.g. editor-in-chief, chairman of scientific board etc.).

[N1] **2006–2011** Editor in chief of the Editorial Committee of the Bulletin of the Polish Geological Institute.

[N2] **2014** Member of the Editorial Committee of the conference materials of the 83rd Scientific Congress of the Polish Geological Society in Biała Podlaska, May 29–31, 2014.

[N3] **2015** Member of the Editorial Committee of the conference materials of the 84th Scientific Congress of the Polish Geological Society, Chęciny, September 9–11, 2015.

[N4] **2018** Member of the Editorial Committee of the conference materials of the 86th Scientific Congress of the Polish Geological Society, Łuków, September 2–5, 2018.

II.13. Information on scientific or artistic works reviewed, in particular those published in international journals.

[O1] **2011** Review of a scientific article for *Cretaceous Research*

[O2] **2014** Review of a chapter for the new edition *Ammonoid Paleobiology*

[O3] **2023** Review of a scientific article for *Cretaceous Research*

[O4] **2023** Review of a scientific article for *Cretaceous Research*

[O5] **2024** Review of a scientific article for *Palaeogeography, Palaeoclimatology, Palaeoecology*

II.14. Information on participation in European or other international programmes.

[P1] **2006-2008 NATO Science International Programme**, title: Strategic understanding of security threats posed by global climate change; cooperation between Poland, Switzerland, Israel and the USA.

[P2] **2006-2011 NATO Programme Security Through Science International Programme**, title: Sustainable use and protection of groundwater resources – transboundary water management – Belarus - Poland - Ukraine - pilot study proposal; cooperation between Poland, Belarus, Ukraine and Israel.

[P3] **2009-2012 European 7th Framework Programme**:
title: Geoscientific knowledge and skills in the African Geological Surveys (AEGOS),
title: Ground Deformation Risk Scenarios: An Advanced Assessment Service (DORIS),
title: GMES-service for monitoring and forecasting subsidence hazards in coastal areas around Europe (SubCoast).

[P4] **2013-2014 European Union External Actions** (European Commission DG Development and Cooperation–EuropeAid), title: Geoscientific knowledge and skills in African Geological Surveys.

[P5] **2014-2015, 2020-2022** program from the **Ministry of Science and Higher Education** regarding bilateral international cooperation:

title: Geopark Niecki Śródsudeckiej-cross-border area of Polish-Czech cooperation; cooperation between Poland and the Czech Republic.

title: Holostratigraphy and palaeoenvironmental changes of around the Berriasian-Valanginian boundary (140-135 Ma) in France and Poland; cooperation between Poland and France.

[P7] **2018-2023 National Science Centre, Harmonia program**, title Palaeogeographic maps of the Permian non-marine basins of the Central Europe; cooperation between Poland, the Czech Republic and Germany.

II.15. Information on participation in research teams realizing projects other than those defined in section

[R1] **2004** project title: Geological education at the PIG Geological Museum in Warsaw and its branches in regional branches.

[R2] **2004** project title: Educational materials of the PGI Geological Museum and its branches in regional branches and promotion of earth sciences.

[R3] **2004-2005** project title: Organization of a new exhibition of the PGI Geological Museum, stage V.

[R4] **2004-2010** project title: Activities of the PGI Geological Museum in Warsaw and its branches in regional branches for the dissemination of knowledge about the Earth.

[R5] **2005** project title: Preparation of a museum exhibition devoted to stegosaurus title: Tropami spiczatych dinosaurów.

[R6] **2005-2006** project title: Editing and expansion of the PGI website.

[R7] **2006-2005** scientific research project title: High-resolution stratigraphy of the Lower Cretaceous in the north-western part of the Polish lowlands.

[R8] **2006-2008** scientific research project title: Predicting climate change and its consequences – building a program and international cooperation.

[R9] **2006-2007** project title: Exhibition activity of the Geological Museum of the Polish Geological Institute.

[R10] **2006** scientific research project title: Preparation of a project on climate change within the framework of the 6th EU Framework Program.

[R11] **2006-2007** scientific research project title: Documentation of new sites with dinosaur traces in the Świętokrzyskie Jurassic and Roztocze Cretaceous in order to protect them and include them in an educational program.

[R12] **2006-2007** scientific research project title: Revision and scientific development of geological information gathered in the collections of the Geological Museum of the Polish Geological Institute.

[R13] **2007** scientific research project title: Ecological education based on dinosaur footprint sites in the Świętokrzyskie region.

[R14] **2008** project title: Preparation of an album on the collections of the PGI Geological Museum.

[R15] **2010** scientific research project title: Revision and scientific development of geological information gathered in the collection of the PGI Geological Museum.

[R16] **2007-2011** scientific research project title: Global climate change in the record of the Lower Cretaceous paleoenvironment.

[R17] **2015-2016** project title: Popularization of knowledge in the field of Earth sciences and promotion of research of the Polish Geological Institute-National Research Institute

[R18] **2016-2017** scientific research project title: Development of unique traces of early Permian tetrapods, their taxonomy and paleoenvironment.

[R19] **2019** scientific research project title: Paleoecological implications of stable isotope analyses of the Valanginian ammonites.

[R20] **2019** scientific research project title: Biostratigraphy and stratigraphy of the Lower Cretaceous sequence of the northwestern part of the Central Polish Trough.

[R21] **2020-2021** scientific research project title: Detailed paleoenvironmental and sedimentological studies in the Lower Permian outcrop in Tłumaczów.

[R22] **2020-2024** scientific research project title: Development of deep borehole profiles.

[R23] **2020-present** project title: Updating, verifying and sharing information resources of the Central Hydrogeological Data Bank.

II.16. Information on membership in the teams assessing applications for financing of research projects, applications for scientific awards, applications in other competitions of scientific or didactic character.

[S1] **2005** Participation in the work of the team assessing works submitted to the national competition under the slogan "Natural Disasters" organized in the Geological Museum of PGI in

Warsaw and its regional branches of the Polish Geological Institute. The competition had an educational character aimed at raising the ecological awareness of children and youth.

[S2] **2006** Assessment of the application for funding of scientific research from the Swiss National Science Foundation.

[S3] **2009** Assessment of the application for funding of scientific research from the Operational Program Innovative Economy 2007-2013.

III. INFORMATION ON COOPERATION WITH SOCIAL AND ECONOMIC ENVIRONMENT

Prior to obtaining the PhD degree

III.1. List of technological works.

Not applicable

III.2. Information on cooperation with economic sector.

Not applicable

III.3. Obtaining the right of industrial property, including the national or international patents granted.

Not applicable

III.4. Information on implemented technologies.

Not applicable

III.5. Information on performed expert analyses or other studies prepared on request of public institutions or entrepreneurs.

Not applicable

III.6. Information on participation in expert and competition teams.

Not applicable

III.7. Information on artistic projects realized in non-artistic environment.

Not applicable

After conferring the PhD degree

III.1. List of technological works.

Not applicable

III.2. Information on cooperation with economic sector.

Not applicable

III.3. Obtaining the right of industrial property, including the national or international patents granted.

Not applicable

III.4. Information on implemented technologies.

Not applicable

III.5. Information on performed expert analyses or other studies prepared on request of public institutions or entrepreneurs.

Not applicable

III.6. Information on participation in expert and competition teams.

[T1] **2005** Member of the competition committee for children under the slogan "Natural Disasters".

[T2] **2006–2010** Member of the Council of the Museum of Nature and Technology Ecomuseum of Jan Pazardur in Starachowice.

[T2] **2018-2019** Member of the Committee for the assessment of works subject to the provisions of the Copyright Act.

III.7. Information on artistic projects realized in non-artistic environment.

[U1] **2004** Co-authorship and coordination of work on the exhibition entitled "Sulfur from Hell" at the Geological Museum of the National Geological Institute.

[U2] **2007** Co-authorship and coordination of work on the exhibition entitled "Time of the Mammoth" at the Geological Museum of the National Geological Institute.

IV. SCIENTOMETRIC INFORMATION

IV.1. Information on the Impact Factor (in the fields and disciplines in which this parameter is commonly used as a scientometric index).

The total, current impact factor of thematically related articles described in section I.2. is:

IF = 12.7.

While the 5-year impact factor is: **IF = 11.7.**

IV.2. Information on the number of citations of the a applicant's publications, including a separate list of self-citations.

Database	Citation (excluded autocitations in brackets)
Web of Science	398 (382)
Scopus	577 (554)
Google Scholar	646

IV.3. Information on *h*-index held.

Database	H-index
Web of Science	8
Scopus	8
Google Scholar	9

IV.4. Information on the number of the points awarded by the Ministry of Science and Higher Education.

	Publications in the Web of Science database	Publication (others) – not indexed in the Web of Science database	Total
Papers published after obtaining a PhD degree			
Points MNiSW: in the year of publication/current)	975/1260	315/1070	1290/2330

.....*Izabela Ploch*.....

(Applicant's signature)