

PERSONAL INFORMATION

Pal NIKOLLI



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Education and Trainings

- 10. 02. 2016 Entitled "Professor" decision no. 5 of Scientific Qualification Committee of the Republic of Albania. Diploma no. 316
- 01. 11. 2008 Entitled "Advocate" Certificate no. 4269
- 2002 Training and exchange of experience at the University of Bucharest, Romania, within the international project "Establishment of GIS management in the Department of Geography"
- 2001 Training and exchange of experience at the Geographical Institute of Potsdam, Germany, in the framework of the international project "Establishment of GIS management in the Department of Geography"
- 2001 Training, qualification, exchange of experience and consulting literature in the field of historical cartography at the University of Bari, Italy.
- 18. 09. 1999 Entitled "Associate Professor" with decision no. 25 of the former National Scientific Committee.
- 14. 10. 1998 (Second degree) Graduated and entitled "Lawyer", University of Tirana, Faculty of Law. (Diploma No. 6004, Registry No. 200).
- 1995 Training, qualification, exchange of experience and literature exploitation in the field of cartography and geodesy at the Polytechnic University of Milan, Italy.
- 1994 "COMETT Post - Graduate Course in GIS", in San Miniato (Italy), organized by the Department of Geoinformation, Technical University of Vienna.
- 04. 06. 1994 Earned the Grade "Doctor" in the field of Geodesy/Cartography. Polytechnic University of Tirana, Department of Geodesy. Dissertation: "Study on the dynamics of the coast in the area Seman - Shkumbin" (Diploma, no in the basic register. 3272).
- 26. 05. 1983 (First degree) Graduated "Geodesy" (Geodesy - Cartography - Photogrammetry). Polytechnic University of Tirana, Department of Geodesy (Diploma no. 6960-B, Registry No. 1425).

Work Experience

- 1994 – to today *Lecturer in the Department of Geography, Faculty of History and Philology of Tirana University, for subjects "Introduction to Cartography", "Thematic Cartography" and "Interpretation of aerial photographs and satellite images" for the geography branch (bachelor system) and "Advanced Thematic Cartography", "GIS - Geographical Analysis" and "Technology of Information and Communication" in the Master system. Head of "Cartography - GIS" Section (1997-1998). External lecturer at the Polytechnic University of Tirana: at the Faculty of Civil Engineering for subjects "Mathematical Cartography", "Compilation and publication of maps", "Cartometry" and "Construction Legislation" (1994 - 2010) and at the Faculty Geology – Mining for subjects "GIS" and "Cartography" at Master's level (2010 – 2014).*
- 1987–1994 *Lecturer in the Department of Geodesy, Faculty of Civil Engineering, Polytechnic University of Tirana for subjects "General geodesy", "Engineering geodesy" in the branch of Civil Engineering and "Hydrographic surveys", "Mathematical cartography", "Compilation and publication of maps" and "Cartometry" in the branch of geodesy.. Head of cartographic subjects in this department (1991 - 1994). External lecturer for the subject "General Geodesy" at the Faculty Geology – Mining (1987 – 1994) and for the subject "Cartography - Topography" in the Department of Geography of the Faculty of History and Philology, University of Tirana (1991-1994).*

1983–1987

At the Institute of Studies and Designs of the Ministry of Construction and Territorial Adjustment, Tirana. Responsible for the geodetic-cartographic group in the design of the railways Pogradec - Korça, Milot - Klos, Lezha – Shengjin, some automobile and railway bridges and some automobile roads (1983 - 1987). External lecturer in the Department of Geodesy of the Polytechnic University of Tirana.

SCIENTIFIC WORKS

PUBLICATIONS

1. Textbooks

1.1. University textbooks

- a) **Pal Nikolli:** Elements of Cartography and Topography (Practical works, assignments and teaching practices). Printed by "Naim Frashëri", Tirana 1998, 220 pages.
- b) *Agim Shehu, Pal Nikolli:* Elements of Cartography. SHBLU, Tirana 2000, 346 pages.
- c) *Agim Shehu, Pal Nikolli:* Elements of Cartography (reprint). SHBLU, Tirana 2005, 346 pages.
- d) **Pal Nikolli:** Cartography (Exercises and tasks). SHBLU, Tirana 2006, 290 pages. ISBN 99927-0-412-8
- e) **Pal Nikolli:** Geographic Information Systems. SHBLU, Tirana 2007, 272 pages. ISBN 978-99927-0-436-3
- f) *Agim Shehu, Pal Nikolli:* Thematic Cartography. Published by "Progres", Tirana 2007, 236 pages. ISBN 978-99943-824-6-0
- g) **Pal Nikolli:** Cartography (Exercises, tasks and teaching practice). Published by "Alba Prim", Tirana 2010, 206 pages. ISBN 978-99956-54-29-0
- h) **Pal Nikolli:** Geographical Information Systems. SHBLU, Tirana 2011, 307 pages. ISBN 978-99927-0-603-9
- i) **Pal Nikolli:** Cartography (Exercises and practice). Published by "Klean", Tirana 2012, pg. 186. ISBN 978-9928-4122-2-5
- j) **Pal Nikolli:** Creation of Thematic Maps using ArcGIS ESRI. Published by "Klean", Tirana 2013, 102 pages. ISBN 978-9928-4122-7-0
- k) **Sabri Laçi, etc.:** History of Geographical Thought. Published by West Print, Tirana, 2013. (Paragraph II.5. "Development of Albanian cartography 1912 - 2012", pp. 258 - 282, written by Pal Nikolli, etc.)
- l) Ferim Gashi, **Pal Nikolli**, Murat Meha: Geographic Information Systems. Published by "Libri Shkollor". Pristina, Kosovo, 2016, 278 pages. ISBN 978-9951-23-071-1
- m) **Pal Nikolli**, Ferim Gashi: Cartography (Exercises, tasks and practices). Published by "Klean", Tirana 2016, 206 pages. ISBN 978 - 9928 - 4303 - 3 - 5
- n) **Pal Nikolli:** Introduction to Cartography. Published by "Flamur", Tirana 2019, 336 pages. ISBN 978-9928-4581-0-0

1.2. Postgraduate Textbooks

- o) **Pal Nikolli:** Capturing and processing satellite images for geographical analysis (textbook for students of Geography - Master of Science). Published by SHBLU, Tirana 2009, 245 pages. ISBN 978-99927-0-500-1
- p) **Pal Nikolli**, Ismail Kabashi: Satellite images and their use (textbook for students of Geography, Professional Master "Applied GIS"). Published by "GEER", Tirana 2018, 252 pages. ISBN 978-9928-07-585-7 (Published in the framework of the GEOWEB project)

2. Books

2.1. Monographs

- a) *Agim Shehu, Pal Nikolli:* History of Albanian Cartography. Published by "Julvin 2", Tirana 2001, 286 pages.

- b) *Sabri Laçi, Pal Nikolli*: Organization and functioning of local government in the Republic of Albania. Published in Albanian and French with funding from the French Government and QSR, Tirana 2000, 120 pages.
- c) **Pal Nikolli**: Mirdita in a geo-cartographic view. Published "Geer", Tirana 2006, 230 pages. ISBN 99943-38-34-x

2.2. Books and Atlases

- a) **Pal Nikolli**, etc.: ECTS information package (Albanian and English). Published by the University of Tirana, Faculty of History and Philology, Tirana 2002, 330 pages.
- b) **Pal Nikolli**, etc.: Geographical atlas of the population of Albania (Albanian and English). Publication of the Department of Geography of the University of Tirana. Published by "ILAR", Tirana 2008, 190 pages.
- c) Murat Meha, **Pal Nikolli**, Ferim Gashi, etc.: Nomenclature, symbols, signs and positioning of the topographic map 1: 25000. Publisher: Kosovo Cadastral Agency. Pristina 2016, pg. 52. ISBN 978-9951-8574-8-2
- d) Skender Sala, Perikli Qiriazi, **Pal Nikolli**: The natural heritage and attractive landscapes of the Municipality of Tirana. Published by the Mediaprint Publishing House, within the project "Natural heritage and attractive landscapes of the Municipality of Tirana (Albanian and English), which was made possible by the Municipality of Tirana and directed by prof. dr. Perikli Qiriazi. Tirana, 2021; page 143+1 map. ISBN 978-9928-08-500-9.
- e) Encyclopedic Dictionary of Mirdita. "EMAL" Publishing House, Tirana 2021. Pg. 690. ISBN: 978-9928-04-832-5. **Member of the General Editorial Board and editor of Geographical and Technical issues.** Compiler of 25 units (35 pages) and of the general map of the province of Mirdita in 1:250000 scale attached to the Encyclopedic Dictionary.

3. Articles

3.1. Articles in Albanian Scientific Journals

1. **Pal Nikolli**. Increasing the accuracy of the calculation of soil volumes on roads and railways. Published by "The Builder 2", Tirana 1987.
2. **Nikolli, Pal**. Determination of time fluctuation of the Seman estuary coastline using mathematical-statistical methods. Published by "Geographical Studies 4", Tirana 1990.
3. *Boçi, S. & Nikolli, Pal*. Intensification of the coastal plain area can not be separated from the protection of the coast and the profit of new lands in this area. Published in the review of the Academy of Sciences of the Republic of Albania "Rational use of natural resources of the intensified area with priority and its role in the development of the country", Tirana 1990.
4. *Gruda, Gj. & Nikolli, Pal*. Morphotectonic and morphological evolution of the coastal area between Seman and Shkumbin. Published in "Geographical Studies 6", Tirana 1995.
5. **Nikolli, Pal**. Development of cartography and refinement of methods of using maps. Published in "Geographical Studies 7", Tirana 1995.
6. **Nikolli, Pal**. Measuring the length of lines and a system of lines in topographic maps. Published in "Geographical Studies 8", Tirana 1996.
7. **Nikolli, Pal**. National characteristics and modern techniques should accompany Geography. Published in "Geographical Studies 8", Tirana 1996.
8. **Nikolli, Pal**. Measurement of areas, volumes and average relief slopes in topographic maps, using pallets. Published in "Geographical Studies 9", Tirana 1996.
9. *Prenga, Kol & Nikolli, Pal*. Sectoral and geographical aspects of Albanian import-export. Published in "Geographical Studies 10", Tirana 1997.
10. **Nikolli, Pal**. Data sources for GIS. Published in "Geographical Studies 10", Tirana 1997.

11. **Nikolli, Pal** GIS and geographical analysis. Published in "Albanological Studies 2", Tirana 1996.
12. **Qiriazi, P.; Laçi, S. & Nikolli, Pal**. Evolution of the geographical landscape during twentieth century in the lowland area between the lower flow of Mat and Ishmi rivers. Published in the summary "2nd National Conference of Geography", (published by the Academy of Sciences), Tirana 1996.
13. **Nikolli, Pal**. Unification of maps and their use in Geographical Studies. Published in the summary "2nd National Conference of Geography", (published by the Academy of Sciences), Tirana 1996.
14. **Nikolli, Pal**. Mapping of Albanian lands. Published in "Albanological Studies 3", Tirana 1997.
15. **Gruda, Gji; Nikolli, Pal & Qiriazi, P.**: Study on the geographical conditions of the placement of medieval scaffolding (XIII-XVI centuries) on the Adriatic and Ionian Albanian shores. Published in "Geographical Studies 11", Tirana 1998.
16. **Nikolli, Pal**. Digital images and their use. Published in "Geographical Studies 11", Tirana, 1998.
17. **Nikolli, Pal**. Cadaster and land management. Published in "Geodetic Magazine 4", Tirana 1997.
18. **Nikolli, Pal**. Mapping of the Albanians emigrants in the world. "Albanological Studies 4, 1999/1", Tirana 1999.
19. **Gruda, Gji & Nikolli, Pal**. Study of Holocene and historical geomorphological evolution of the Vjosa and Seman deltas, using satellite imagery. Published in "Geographical Studies" Nr. 13, Tirana 2000, p. 20-25.
20. **Nikolli, Pal**. Overview of geographic data and information. Published in "Geographical Studies" Nr. 13, Tirana 2000, p. 131-138.
21. **Nikolli, Pal**. Albanian's migrations. Published in "Geographical Studies", No.13. Tirana 2000, p. 153-155.
22. **Shehu, A. & Nikolli, Pal**: AL Idrizi - prominent Arab scholar. Published in the Universe. - Nr. 1, 2001, p. 199 - 204.
23. **Nikolli, Pal**. State of Geographical Information and its infrastructure in Albania. Published in "Geographical Studies", no. 14, Tirana 2002, p. 391-401.
24. **Gruda, Gji & Nikolli, Pal**. Geomorphology of the Buna-Ishëm coastal sector. Published in "Geographical Studies" Nr. 12, Tirana 2000, p. 72-75.
25. **Nikolli, Pal**. Mirdita in the maps. Published in 'Albanological Studies' No. 7, Tirana 2001, pp. 27-51.
26. **Nikolli, Pal**. Mirdita in the maps (part II). Published in "Albanological Studies", no. 8, Tirana 2002, p. 181-201.
27. **Nikolli, Pal**. Road network in Mirdita and its development perspectives. Published in the collection "Mirdita in History and Ethnoculture", Rrëshen 2001, p. 196-211.
28. **Nikolli, Pal & Gjovalin Gruda**. Shkodra and its surroundings through maps. Published in the collection "Shkodra in centuries", Shkodra 1999, p. 191-202.
29. **Nikolli, Pal & Sheme, S.**: Graphic and cartographic methods, a necessity for the modernization of the teaching process. "Pedagogical Magazine", no. 2, Tirana 2001, p. 63-75.
30. **Nikolli, Pal**. The use of maps, digital aerial photographs and satellite images in the study of the spatial expansion of the city of Tirana. Published in "Albanological Studies" no. 4 Tirana 2008, p. 193-209.
31. **Nikolli, Pal**. "The role of maps and Geographic Information Systems (GIS) in the economic development of the municipality of Tirana". Published in "Albanological Studies", IV, 2009/4, Tirana, p. 398-422.
32. **Nikolli, Pal**. Monitoring of Adriatic coastal erosion (Albania) using GIS. Published in "Albanological Studies", IV, 2010/4, Tirana, p. 149-163.
33. **Idrizi, Bashkim & Nikolli, Pal**: The role of spatial information and GIS in flood management at the local level. Published in "Albanological Studies", IV, 2010/4, Tirana, p. 139-149.
34. **Pal Nikolli**, Bashkim Idrizi: Land cover assessment in Mirdita district. Albanological Studies IV, Tirana, 2011/4, p. 125-139.
35. Ismail Kabashi, Bashkim Idrizi, **Pal Nikolli**, Gani Pllana: Online monitoring of objects using geodetic methods. Published in "Scientific Bulletin" (Natural Sciences Series) (10). XVI year of publication (34), 2012/1. University of Elbasan "Aleksandër Xhuvani", p. 80-90. ISSN 2221-5956.
36. **Pal Nikolli**: Mirdita in the year of Declaration of Independence. Published in the summary "Mirdita", scientific session: 100 years of independence. Tirana, 2012, p. 32 - 46.

37. **Pal Nikolli**, Bashkim Idrizi & Ferim Gashi: Developments of Albanian cartography: 1912-2012. "Albanological Studies", IV, 2012/4, Tirana.
38. **Pal Nikolli**, Bilal Draçi & Bashkim Idrizi: Spatial planning in the Republic of Albania and its cartographic basis. "Albanological Studies", IV, 2013/4, Tirana.
39. **Pal Nikolli**, Ismail Kabashi: Assessment of Albanian Territories through old maps. "University Research", no. 37/2014. ISSN: 2226 - 082X. Gjirokastra 2014. p. 7 - 17.
40. **Pal Nikolli**, Ismail Kabashi & Ferim Gashi: The dynamics of the coastline from Shengjin Cape to Drini estuary. "Albanological Studies", IV, 2014/4, Tirana 2014. ISSN: 2304 - 3828. p. 49 - 60.
41. **Pal Nikolli**: Contributions of Prof. Dr. Agim Shehu for the development of Albanian Cartography. "Perla", Scientific - Cultural Magazine, 2014/4, Tirana 2014. ISSN: 2410 - 762X. P. 74 - 83.
42. **Pal Nikolli**: Karl Gega - The great architect of Albanian origin and the constructor of the first mountain railway in the world (about the monograph of Wolfgang Straub: Carl Ritter von Ghega. Der geniale Pionier des Eisenbahnzeitalters im profunden Portrüt; Graz: Styria, 2004, ISBN 3 - 2221 - 3138 - 4). "Perla", Scientific - Cultural Magazine, 2015/2, Tirana 2015. ISSN: 2410 - 762X. P. 148 - 153.
43. **Pal Nikolli**: Mirdita through maps (part I). "Mirdita", Cultural Magazine - Periodical, 2015/8. Publication of the Cultural-Artistic Society "Mirdita". Tirana, Mirgeeralb, 2015. ISSN: 2519 - 7894. Pg. 10 - 17.
44. **Pal Nikolli**: Mirdita through maps (part II). "Mirdita", Cultural Magazine - Periodical, 2016/9. Publication of the Cultural-Artistic Society "Mirdita". Tirana, Mirgeeralb, 2016. ISSN: 2519 - 7894. Pg. 11 - 18.
45. **Pal Nikolli**: Mirdita through maps (part III). "Mirdita", Cultural Magazine - Periodical, 2016/10. Publication of the Cultural-Artistic Society "Mirdita". Tirana, Mirgeeralb, 2016. ISSN: 2519 - 7894. Pg. 21 - 30.
46. **Pal Nikolli**: The different toponyms of Mirdita on maps. "Mirdita", Cultural Magazine - Periodical, 2016/13. Publication of the Cultural - Artistic Society "Mirdita". Tirana, Mirgeeralb, 2016. ISSN: 2519 - 7894. Pg. 43-48.
47. **Pal Nikolli**: Mirdita in the maps. I. From the beginning to the middle of the XIX century. "Perla", scientific-cultural magazine, 2016/2, Tirana 2016. ISSN: 2410 - 762X. P. 39 - 53.
48. **Pal Nikolli**: Mirdita in the maps. II. From the middle of the XIX century to the present days. "Perla", scientific - cultural magazine, 2016 / 3-4, Tirana 2016. ISSN: 2410 - 762X. P. 30 - 48.
49. **Pal Nikolli**: Fortified dwelling of the type "Tower" in Mirdita. "Mirdita", Cultural - Periodical Magazine, 2017/15. Publication of the Cultural - Artistic Society "Mirdita". Tirana, Mirgeeralb, 2017. ISSN: 2519 - 7894. Pg. 21 - 28.
50. **Pal Nikolli**: Academic, Prof.dr. Zef Mirdita - "Father" of ancient Dardania. "Mirdita", Cultural - Periodical Magazine, 2017/16. Publication of the Cultural - Artistic Society "Mirdita". Tirana, Mirgeeralb, 2017. ISSN: 2519 - 7894. Pg. 22 - 28.
51. **Pal Nikolli**: Physical - geographical characteristics of the Fan valley and its environmental issues. "Mirdita", Cultural Magazine - Periodical, 2018/19. Publication of the Cultural - Artistic Society "Mirdita". Tirana, GEER 2018. ISSN: 2519 - 7894. Pg. 5 - 10.
52. **Pal Nikolli**: Study of the geographical distribution of soils and vegetation in the municipality of Mirdita. "Mirdita", Cultural Magazine - Periodical, 2018/20. Publication of the Cultural - Artistic Society "Mirdita". Tirana, GEER 2018. ISSN: 2519 - 7894. Pg. 8 - 14.
53. **Pal Nikolli**, Ferim Gashi & Ismail Kabashi: Differentiation of the administrative units of Albania according to the length and density of the national road network. "GEOGRAPHIC STUDIES 20", Journal of the University of Tirana, Faculty of History and Philology. Tirana, 2019. ISSN: 1562-8183. Pg. 45-71
54. **Pal Nikolli**, Bilal Draci: The impact of immigration on the aging population of Albania after the 90s. "GEOGRAPHICAL STUDIES 22", Journal of the University of Tirana, Faculty of History and Philology. Tirana, 2019. ISSN: 1562-8183. Pg. 21-33
55. **Pal Nikolli**: Review of the monographic study "Skura Province - Nature and People", by prof. Skënder Sala. "Perla", scientific - cultural magazine, 2018/2, Tirana 2018. ISSN: 2410 - 762X. P. 135 - 139.

- 56. Pal Nikolli:** Climatic features of the municipality of Mirdita. "Mirdita", Cultural Magazine - Periodical, 2019/23. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2018. ISSN: 2519 - 7894. Pg. 18 - 24.
- 57. Pal Nikolli,** Luan Arapi: Territorial extension of Mirdita province and its administrative organization (part I). "Mirdita", Cultural Magazine - Periodical, 2019/24. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2018. ISSN: 2519 - 7894. Pg. 6 - 16.
- 58. Pal Nikolli,** Luan Arapi: Territorial extension of Mirdita province and its administrative organization (part II). "Mirdita", Cultural Magazine - Periodical, 2019/25. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2018. ISSN: 2519 - 7894. Pg. 6 - 13.
- 59. Pal Nikolli,** Luan Arapi: Territorial extension of Mirdita province and its administrative organization (part III). "Mirdita", Cultural Magazine - Periodical, 2019/27. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2018. ISSN: 2519 - 7894. Pg. 18 - 24.
- 60. Pal Nikolli,** Bilal Draci, Ferim Gashi. Unification of geo-cartographic materials for inter-regional spatial planning. Scientific yearbook "FEF" - no. 6 (special edition of the scientific bulletin of the University "Fan S. Noli"), ISSN: 2078-7111, Korça, 2020, p. 174 - 186.
- 61. Mark Tirta, Pal Nikolli:** Zef Brozi - guardian of law and truth without looking at the political and interest sides. "Mirdita", Cultural Magazine - Periodical, 2020/28. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2020. ISSN: 2519 - 7894. Pg. 68 - 69.
- 62. Pal Nikolli:** The special role of Gjergj Fishta in the standardization of the Albanian language alphabet and the Albanian language. "Mirdita", Cultural – Periodical Magazine, 2020/29. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2020. ISSN: 2519 - 7894. Pg. 15 – 21.
- 63. Pal Nikolli:** "Mirdita" magazine: in 8 years, 30 issues. "Mirdita", Cultural – Periodical Magazine, 2021/30. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2021. ISSN: 2519 – 7894. Pg. 4 - 29.
- 64. Pal Nikolli,** Marie Brozi: A historical and geostatistical analysis of Mirdita's population and some of its characteristics (from the beginning to our days). (Part I). "Mirdita", Cultural – Periodical Magazine, 2022/36. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER, November 2022. ISSN: 2519 – 7894. Pg. 11 – 17
- 65. Adelajda Halili & Pal Nikolli** - Assessment and analysis of the urban growth of the city of Vlora using GIS/Remote Sensing. The book of proceedings of the Scientific Conference "Populated centers of Albania - the situation and the future (December 17, 2021)". Publication of the Sciences Academy of Albania; University "Aleksandër Xhuvani", Elbasan; University "Eqrem Çabej", Gjirokastër. Tirana, 2023. ISBN: 978-9928-339-91-1. Pg. 567 – 583.
- 66. Pal Nikolli,** Marie Brozi: A historical and geostatistical analysis of Mirdita's population and some of its characteristics (from the beginning to our days). (Part II). "Mirdita", Cultural – Periodical Magazine, 2023/38. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER, May 2023. ISSN: 2519 – 7894. Pg. 18 – 25.
- 67. Pal Nikolli,** Marie Brozi: The english travelers of the century 19th and 20th through the Mirdita. (Part I). "Mirdita", Cultural – Periodical Magazine, 2023/39. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER, September 2023. ISSN: 2519 – 7894. Pg. 20 – 27.
- 68. Pal Nikolli,** Marie Brozi: The english travelers of the century 19th and 20th through the Mirdita. (Part II). "Mirdita", Cultural – Periodical Magazine, 2023/40. Publication of the

Academy of Art, Science and Letters "Mirdita". Tirana, GEER, December 2023. ISSN: 2519 – 7894. Pg. 16 – 21

69. Pal Nikolli, Skender Sala, Adelajda Halili & Sokol Allaraj: State infrastructure of spatial data of Albania and European integration. "Geographic Studies 2023/23". Publication of the Department of Geography, University of Tirana. Tirana, 2023; ISSN: 1562 – 8183; page 72 – 103.

70. Sonila Xhafa Sinjari, Enkela Begu, **Pal Nikolli**, Romeo Hanxhari: Geoinformation and public information during Covid 19. "Geographic Studies 2023/24". Publication of the Department of Geography, University of Tirana. Tirana, 2023; ISSN: 1562 – 8183; page 39-49.

71. Pal NIKOLLI, Anduel CAULI: New concepts about map scale. "Albanological Studies 1/2023". Publication of the Faculty of History and Philology, University of Tirana, Tirana, 2023. ISSN Print 2305-3828 ISSN Online 2959-9695. Pages 7 – 23.

3.2. Articles in scientific journals and in proceedings abroad

1. Agim Shehu, **Pal Nikolli**: Portrait of Ulcinj on old maps. Published in the review "Ulcinj in the course of time". Ulqin 2000, p. 93-103.
2. **Pal Nikolli**, Agim Shehu: University Cartographic Education in Albania. Published in "Cartographic Education". Sofia 2001, pg. 39-45.
3. **Pal Nikolli**: European Credit Transfer System (ECTS) in the Department of Geography, Tirana University. The Cartographic Education & Theoretical or connected with cartographic practice, Sofia 2001-2002.
4. *Pellumb Naipi, Alexandre Rabot, Arian Muçaj, Marie Marquet, Guillaume Derrien, Bep Jubani, Annick Fenet, Jean-Claude Poursat, Vangjel Dimo, Skender Aliu, Lami Koço, Pal Nikolli, Skender Muçaj, Gjovalin Gruda, Éric Fouache, Julien Espagne, Claire Balandier, Philippe Lenhardt, François Quantin, Iris Pojani-Dhamo, Marek Olszowski, Sabine Legerand, Bashkim Labi, Séverine Épelley, Vasil Bereti, Bashkim Vrekaj, Jean-Luc Lamboley, Faik Drini, Pierre Cabanes: Apollonia d'Illyrie (Albanie). In "Bulletin de correspondance hellénique", Vol. 121, N.2, 1997, (Geodynamique des Milles naturels ET de l'environnement - GEONAT), pg. 848-870 (Universite Paris - 12).*
5. *Eric Fouache, Gjovalin Gruda, Skender Muçaj, Pal Nikolli*: Recent geomorphological evolution of deltas of the rivers Seman and Vjosa, Albania. In "Earth Surface Processes and Landforms", 26 (2001) pg. 793-802. (Universite Paris - 12).
6. *Eric Fouache, Gjovalin Gruda, Skender Muçaj, Pal Nikolli, Llazur Dimo*: Dynamique geomorphologique evolution de la navigation maritime depuis L'Antiquite dans les deltas du Seman et de la Vjosë (region d'Apollonia, Albania). In "Antichita altoadriatiche XLVI, Strutture portuali e rotte maritime nell'adriatico di eta Romana, Trieste – Roma 2001. pg 107-120.
7. Agim Shehu, **Pal Nikolli**: The history of cartography in Albania. Proceedings of the 21st International Cartographic Conference (ICC) "Cartographic Renaissance", Durban, South Africa, 10 - 16 August 2003, ISBN: 0-958-46093-0.
8. **Nikolli, Pal**: Cadastration of natural monuments in Albania. Proceedings of Scientific conference with international participation "Establishment of a digital ecological cadaster in Macedonia as a prerequisite for sustainable development", Skopje, 06 November 2007.
9. **Nikolli, Pal**: The development of Spatial Data Infrastructure in Albania. Proceedings of International Scientific Conference "Importance of developing National Spatial Data Infrastructure of the Republic of Macedonia based on INSIPRE directions", Skopje, 27 march 2009.
10. **Pal Nikolli**: GIS roles in emergency management in Albania. Proceedings of Conference "Remote Sensing and Geo-Information for environmental emergencies", February 2-4, 2010, Torino – Italy.
11. **Pal Nikolli**, Bashkim Idrizi: Geodetic and Cartographic Education in Albania. Proceedings of "the 3rd International Conference on Cartography and GIS", 15-20 June, 2010, Nessebar, Bulgaria. ISSN 1314-0604

12. Bashkim Idrizi, **Pal Nikolli**, Demir Hyseni: Kosovo in Global Map. Proceedings of “the 3rd International Conference on Cartography and GIS”, 15-20 June, 2010, Nessebar, Bulgaria. ISSN 1314-0604
13. **Pal Nikolli**: Land Cover Classification in Albania. Vol. XXXVIII, Part 7B of ISPRS TC VII Symposium – 100 Years ISPRS, Vienna, Austria, July 5–7, 2010, IAPRS.
14. Bashkim Idrizi, Murat Meha, **Pal Nikolli**, Ismail Kabashi: Overview on Global Map as Contributor of GSDI. Proceedings of the International Conference SDI 2010 – Skopje; 15-17.09.2010. ISBN 978-9989-936-32-6
15. **Pal Nikolli**, Bashkim Idrizi: The Coordinate Reference Systems of Spatial Data Infrastructures in Albania. Proceedings of the International Conference SDI 2010 – Skopje; 15-17.09.2010. ISBN 978-9989-936-32-6
16. **Pal Nikolli**, Bashkim Idrizi, Ismail Kabashi and Sonila Papathimiu: Multipurpose Land Information Systems - an Albanian perspective. Proceedings of the International Conference SDI 2010 – Skopje; 15-17.09.2010. ISBN 978-9989-936-32-6
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- Sextant instruments. Published on "Horizon", no 12/1984.
- Sliding on railroad tracks. Published on "Horizon", no 10/1985
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- History of traffic in our country. Published on "Horizon", no 8/1986.
- From Rresheni to Sukbull. Published on "Horizon", no 10/1987
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- Popular dwelling, Tower type. Published in "Mirdita", June 25, 1989.
- Mirdita on the pre-liberation maps. Published in the newspaper "Mirdita", August 19th, 1990 and "Ora e Shqipërisë", May 13th, 1994.
- Road Lezhë - Orosh in the Middle Ages time. Published in the newspaper "Mirdita" May 27th, 1990 and "Ora e Shqipërisë" May 20th, 1994.
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- Problems of the Albanian Adriatic coast dynamics. Published in "Rilindja" of Pristina on 12.4.1995.
- He had made the world of the stars his own (from the life of prominent people - Gjon Gazulli). Published in "Rilindja" of Pristina on 7.5.1995.
- Geographical Environment of Shkodra through maps. Published in "Rilindja" of Pristina on 9-15 / 7/1995.
- Medieval Albanian Wharfages. Published in "Rilindja" of Pristina on 22-28 / 10/1995.
- Tourist values of Albanian cities. Published in "Rilindja", 30.01.1997.
- Albanian lands on maps and coats of arms (review of the book of Shyqri Niman). Published in "Rilindja" of Pristina on 4/4/1997.

- Art Club of the Albanian "Academy" of Ulcinj: Scholars of History and Cultural Tradition of the Albanians in Montenegro. Published in "Shekulli" June 26th, 2000, p. 19.
- Albanians: Why and Where do they emigrate? Published in "Shekulli" June 4th, 2000, p. 18.
- Roads network in Mirdita and its Development Perspective. Published in "Mirdita", March 2000, p. 4.
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- Some other Articles.

PRESENTATIONS
/ CONFERENCES**4. Participation with presentation or poster in International Scientific Activities in Albania and Abroad**

1. Spiro Boçi & **Pal Nikolli**: The intensification of agriculture in the lowland coastal area can not be separated from the protection of the coast and the benefit of new lands in this area. Refer in the scientific seminar, organized by the Academy of Sciences of the Republic of Albania in Lushnja on 29.09.1989
2. Spiro Boçi & **Pal Nikolli**: Dynamics of the Albanian Adriatic coast. Refer in the National Symposium, organized by the Academy of Sciences and the University of Tirana on 4-5 July 1991
3. Spiro Boçi, **Pal Nikolli**: Evolution of the Adriatic coastline in the area between the Shkumbin and Seman rivers. Refer in the international seminar on the administration of lagoons in Albania, organized in Tirana on 30.05.1994-03.06.1994.
4. **Pal Nikolli**, Gjovalin Gruda: Shkodra through maps. Refer in the International Symposium "Shkodra in centuries", organized in Shkodra, June 22, 1995.
5. Perikli Qiriazi, Sabri Laçi & **Pal Nikolli**: The evolution of the geographical landscape of the Mat-Tirana area during XX century. Refer in the 2nd National Conference of Geography, 23-24 November 1995
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7. Gjovalin Gruda, **Pal Nikolli**: The recent geomorphological evolution of rivers Vjose and Seman (Albania). Fourth International Conference on Geomorphology, University of Bolonja, Italy, 28 August - 3 September 1997. (The collection was published in "Supplementi di Geografia Fisica e Dinamica Quaternaria", Supplemento III - 1997, Tomo I).
8. Gjovalin Gruda, **Pal Nikolli**: Geomorphology of the coastal area between the Buna-Ishëm estuaries. Refer in the first National Symposium- Applied Geomorphology. Environment and Coastal Tourism in Albania, organized by the GSC of the Academy of Sciences of the Republic of Albania, on October 16-18, 1998.
9. Perikli Qiriazi, Sabri Laçi & **Pal Nikolli**: The evolution of the geographical landscape during the twentieth century in the lowland area between Drini delta of Lezha and the delta of Mat. Refer in the first National Symposium- Applied Geomorphology. Environment and Coastal Tourism in Albania, organized by the GSC of the Academy of Sciences of the Republic of Albania, on October 16-18, 1998
10. Agim Shehu, **Pal Nikolli**: Portrait of Ulcinj on old maps. Refer in the scientific symposium "Ulcinj in the course of time", organized in Ulcinj on May 26-27, 2000.
11. Sabri Laçi, **Pal Nikolli**: Structure and functioning of local government in Albania. Refer in the International Seminar "Local and rural development in Albania", Tirana on January 14, 2001.

12. **Pal Nikolli**: The old roads of Mirdita and the new road axis crossing it. Refer in the Scientific Conference "Mirdita in History and Ethnoculture", organized in Rrëshen on October 10, 2001.
13. Agim Shehu, **Pal Nikolli**: The history of Cartography in Albania. The 21- st International Cartographic Conference in Durban, South Africa, from 10-16 August 2003.
14. **Pal Nikolli**, Edlira Kola: Cadastration of natural monuments in Albania. Scientific conference with international participation "Establishment of a digital ecological cadastre in Macedonia as a prerequisite for sustainable development", Skopje, 06 November 2007.
15. **Pal Nikolli**, Robert Hykollari: The use of maps, digital aerial photographs and satellite images in the study of the spatial evolution of the city of Tirana. In the international scientific conference "Metamorphosis of cities and industrial areas in the Albanian space since 1945" organized by the Department of Geography of UT on December 5-6, 2008.
16. **Pal Nikolli**, Bashkim Idrizi: The development of Spatial Data Infrastructure in Albania. International Scientific Conference "Importance of developing National Spatial Data Infrastructure of the Republic of Macedonia based on INSIPRE directions" Skopje, 27 march 2009.
17. **Pal Nikolli**, Fran Gjoka: Use of Geographic Information Systems (GIS) in the assessment of the forest area of Mirdita district. Refer in the Scientific Conference with International Participation: "Forestry and Wood Industry in Albania - Challenges of European Integration", organized by the Faculty of Forest Sciences, Agricultural University of Tirana, Tirana, November 5, 2009.
18. **Pal Nikolli**, Robert Hykollari: The role of maps and Geographic Information Systems (GIS) in the economic development of the municipality of Tirana. In the International Scientific Conference "Spatial transformations and the role of the geographer in their management" organized by the Department of Geography of UT and the University "Eqerem Çabej" Gjirokastra, on November 20-21, 2009 in Gjirokastra, Albania.
19. **Pal Nikolli**: GIS roles in emergency management in Albania. The conference with theme "Remote Sensing and Geo-Information for Environmental Emergencies", February 2-4, 2010, Torino – Italy.
20. **Pal Nikolli**, Bashkim Idrizi: The dynamics of Albanian Adriatic coastline in the Mediterranean Sea. The General Assembly 2010 of the European Geosciences Union (EGU), Vienna, Austria, from 02 – 07 May 2010.
21. **Pal Nikolli**, Bashkim Idrizi: Geodetic and Cartographic Education in Albania. The 3rd International Conference on Cartography and GIS, 15-20 June, 2010, Nessebar, Bulgaria.
22. Bashkim Idrizi, **Pal Nikolli**: Kosovo in Global Map. The 3rd International Conference on Cartography and GIS, 15-20 June, 2010, Nessebar, Bulgaria.
23. **Pal Nikolli**, Bashkim Idrizi, Ismail Kabashi and Adelajda Halili: The Implementation of National Spatial Data Infrastructure in Albania. INSPIRE Conference 2010, organized by European Commission, Krakow, Poland, 23-25 June 2010.
24. **Pal Nikolli**, Ismail Kabashi: Land cover classification in Albania. ISPRS TC VII Symposium – 100 Years ISPRS, Vienna, Austria, July 5–7, 2010.
25. **Pal Nikolli**, Bashkim Idrizi: WEB MAPPING/GIS for education in Albanian Universities. 1st International Workshop on Pervasive Web Mapping, Geoprocessing and Services. Como, Italy, August 26 - 27, 2010.
26. **Pal Nikolli**, Bashkim Idrizi, Ismail Kabashi: Dynamics of the Adriatic coastline in the Republic of Albania. The Fifth International Annual Meeting of Alb-Science Institute. Tirana, 02 - 05 September 2010, (abstract published in the summary of works, 2010).

27. Ismail Kabashi, **Pal Nikolli**: Online monitoring of buildings with geodetic measurements. The Fifth International Annual Meeting of Alb-Science Institute. Tirana, 02 - 05 September 2010 (abstract published in the summary of works, 2010).
28. Bashkim Idrizi, **Pal Nikolli**: Overview on Global Map as contributor of GSDI. The International Conference SDI 2010. Skopje, 15-17.09.2010.
29. **Pal Nikolli**, Bashkim Idrizi, Ismail Kabashi: The Coordinate Reference Systems of Spatial Data Infrastructures in Albania. The International Conference SDI 2010. Skopje, 15-17.09.2010.
30. **Pal Nikolli**, Bashkim Idrizi, Ismail Kabashi: Multipurpose Land Information Systems - an Albanian perspective. The International Conference SDI 2010. Skopje, 15-17.09.2010.
31. **Pal Nikolli**, Ferim Gashi: Koronel's contribution to Albanology. Refer in the activity "Week of Albanology", organized by the Albanological Institute, Pristina, 25-29 / 10/2010.
32. Bashkim Idrizi, **Pal Nikolli**: Data Quality of Global Map and Some Possibilities/Limitations for Its Wide Utilization for Global Issues. In Joint Meeting of FIG Commission 3 and Commission 7 "Information and Land Management. A Decade after Millennium", 15-17 November 2010, Hotel Hilton, Sofia, Bulgaria.
33. **Pal Nikolli**, Bashkim Idrizi, and Ismail Kabashi: Monitoring of Adriatic coastal erosion (Albania) using GIS. Refer in the International Scientific Conference "The role of the geographer in the management of natural and human hazards", Tirana, 19-20 November 2010
34. Bashkim Idrizi, **Pal Nikolli**: The role of spatial information and GIS in flood management at the local level. Refer in the International Scientific Conference "The role of the geographer in the management of natural and human hazards", Tirana, 19-20 November 2010.
35. **Pal Nikolli**, Bashkim Idrizi: GIS Education in Albania. FIG Working Week 2011, Bridging the Gap between Cultures, Marrakech, Morocco, 18-22 May 2011.
36. **Pal Nikolli**, Bashkim Idrizi: Coordinate Reference Systems Used in Albania to Date. FIG Working Week 2011, Bridging the Gap between Cultures, Marrakech, Morocco, 18-22 May 2011.
37. Bashkim Idrizi, **Pal Nikolli**, Murat Meha: New Topographic Maps of Macedonia in scale 1: 25000. Великотърновски Университет "Св. Св. Кирил и Методий", Исторически Факултет. България, Тъгарите и Европа – Мит, История, Съвремие. Т. IV. Научна Конференция 29 - 31 Октомври 2009. Университетско издателство "Св. Св. Кирил и Методий", Велико Търново, Скопие, 2011.
38. **Pal Nikolli**, Bashkim Idrizi: The history of cartography in Albania. The 25th International Cartographic Conference and the 15th General Assembly of the International Cartographic Association, 3-8 July 2011, Palais des Congres, Paris.
39. **Pal Nikolli**: Mirdita in the year of the Declaration of Independence. Refer in the Scientific-Historical Conference, organized by the "Mirdita Cultural Club" in Tirana on 12.11.2011.
40. **Pal Nikolli**, Bashkim Idrizi: Land cover analysis in Mirdita District. Refer in the International Scientific Conference "Crisis of mountainous areas and opportunities for sustainable development", Tirana, 18-19 November 2011.
41. Agim Sheu, **Pal Nikolli**: The tasks of the Nationwide Association "Karl Gega" in the field of cartography. Professional presentation at the Founding Congress of the nationwide association of Albanian surveyors "Karl Gega", November 19, 2011, Skopje.

42. Bashkim Idrizi, **Pal Nikolli**: Calculation of the national area of the Republic of Kosovo. FIG Working Week 2012 – Territory, environment, and cultural heritage, May, 6-10, 2012, Roma, Italy.
43. Agim Shehu, **Pal Nikolli**: Some characteristics of the development of Albanian cartography. Refer in the first seminar of the nationwide association of Albanian surveyors - Karl Gega "Albanian geodesy at the beginning of the 21st century" 12 May 2012, Tirana.
44. **Pal Nikolli**: Importance of Geographic Information Infrastructure in regional developments. International Conference "Challenge of regional developments in Albania and the German experience", Tirana, 21-22 May 2012.
45. **Pal Nikolli**, Ferim Gashi: Relationship between Cartography and GIS. The 4th International Conference on Cartography and GIS, June, 18-22, 2012, Albena, Bulgaria.
46. **Pal NIKOLLI**, Agim SHEHU, Bashkim IDRIZI, Ismail KABASHI: Development of Cartographic thinking. Refer in the ASSEMBLY 2012 of the Nationwide Association of Albanian Surveyors - Karl Gega followed by activities for the celebration of the 100th anniversary of independence 06 October 2012, Pristina.
47. Ismail Kabashi, Ragossnig Michaela, **Pal Nikolli**, Gëzim Bisha: The role of Engineering Geodesy as an integral part of construction monitoring. Refer in the ASSEMBLY 2012 of the Nationwide Association of Albanian Surveyors - Karl Gega followed by activities for the celebration of the 100th anniversary of independence 06 October 2012, Pristina.
48. Ferim Gashi, **Pal Nikolli**: The role of GIS in forest management. Refer in the ASSEMBLY 2012 of the Nationwide Association of Albanian Surveyors - Karl Gega followed by activities for the celebration of the 100th anniversary of independence 06 October 2012, Pristina.
49. **Pal Nikolli**, Bashkim Idrizi & Ferim Gashi: Developments of Albanian Cartography: 1912-2012. International Scientific Conference of Geography "Geography on the 100th anniversary of Independence" Tirana, November 14, 2012.
50. **Pal Nikolli**, Ferim Gashi, Bashkim Idrizi: Opinions on the development of theoretical mapping. The 26-th International Cartographic Conference, August 25 – 30, 2013, Dresden, Germany.
51. Ferim Gashi, Bashkim Idrizi, **Pal Nikolli**: Environmental soil sensitivity. SDI Days, 2013. Sibenik, Croatia, 26/27 September 2013.
52. **Pal Nikolli**, Bilal Draçi, Bashkim Idrizi: The state of spatial data and geographic information in Albania. International Conference "*Spatial Data Infrastructures & Spatial Information Management 2013*" 13-16 November 2013, FON University, Skopje.
53. Bashkim Idrizi, Subija Izeiroski and Sali Zhaku, **Pal Nikolli**, Ismail Kabashi: Defining Methodology for Selecting of Most Appropriate GIS Software. International Conference "*Spatial Data Infrastructures & Spatial Information Management 2013*" 13-16 November 2013, FON University, Skopje.
54. **Pal Nikolli** & Bashkim Idrizi: Cartographic foundations for Territorial Planning in the Republic of Albania. International Scientific Conference of Geography "Geography and Territory", Tirana, November 22, 2013.
55. **Pal Nikolli**, Ferim Gashi. Situation in Albania Geographic Information. 5th International Conference on Cartography and GIS. June 15 – 20, 2014. Riviera, Bulgaria. Publisher: Bulgarian Cartographic Association. Sofia, Bulgaria 2014.
56. Luan Arapi, **Pal Nikolli**. Spatial data modeling and analysis for dynamic coastline changes and Assessment. CBGA 2014. Geology without boundaries, 24 – 26 September 2014. Tirana, Albania. XX Congress of the Carpathian Balkan Geological Association.

57. **Pal Nikolli**, *Ismail Kabashi, Ferim Gashi*. Dynamics of the coastline between Shengjin Cape and Drini estuary. Refer in the International Scientific Conference "The contribution of the geographer in the study of coastal space", organized by the Department of Geography, Faculty of History and Philology, University of Tirana, Tirana, 05.12.2014.
58. Ferim Gashi and **Pal Nikolli**. Dynamics of Shengjini beach (Albania). European Geosciences Union General Assembly 2015. Vienna | Austria | 12 – 17 April 2015.
59. **Pal NIKOLLI**, *Ferim GASHI, Ismail KABASHI*. Differentiation of Administrative Units in Albania according to the length and density of the national road network. Refer in the International Scientific Conference "Infrastructure as a factor of integration and territorial development", organized by the Department of Geography, Faculty of History and Philology, University of Tirana, Tirana, December 4, 2015.
60. **Pal NIKOLLI**. Spatial reference systems of Albania for Archaeological mapping. Refer in the Scientific Conference "From sites to landscapes: Space as a dimension of cultural development", organized by the Department of Archeology and Cultural Heritage, Faculty of History and Philology, University of Tirana, Tirana, December 17, 2015.
61. Luan Arapi, **Pal Nikolli**, and Sander Kovaçi. Spatial data integration for analyzing the dynamics of Albanian Adriatic shoreline. European Geosciences Union General Assembly 2016 Vienna | Austria | 17–22 April 2016.
62. Ismail Kabashi, **Pal Nikolli**, Bashkim Idrizi, Enver Hoxhaj. Automatic geo-monitoring of dams with advanced geodetic methods. Second International Conference of Applied Sciences Tetovo, 13-14 May 2016.
63. Luan Arapi, Sander Kovaçi and **Pal Nikolli**: Evaluation of Shoreline Dynamics Analyzing Spatial Temporal Data. *3rd International Balkans Conference on Challenges of Civil Engineering, 19-21 May 2016, Epoka University, Tirana, Albania.*
64. Ferim Gashi, **Pal Nikolli**, Ismail Kabashi, Bashkim Idrizi. Expert System and GIS Cartographic Generalization. 4th International Geography Symposium May 23 - 26, 2016 Kemer, Antalya, TURKEY.
65. Ferim Gashi, **Pal Nikolli**, Murat Meha, Ismail Kabashi. The cartographic overview about Albanian Territory. 6th International Conference on Cartography and GIS, 13-17 June 2016, Albena, Bulgaria.
66. **Pal Nikolli**, Bashkim Idrizi. The role and contribution of professor Agim Shehu to Albanian Cartography. 6th International Conference on Cartography and GIS, 13-17 June 2016, Albena, Bulgaria.
67. Luan Arapi, Sander Kovaçi and **Pal Nikolli**. Evaluation of the Shoreline Dynamics Using Spatial Temporal Data. The 5th Advanced Research in Scientific Areas. Slovakia. November, 7. - 11. 2016, www.arsa-conf.com. *Earth and related Environmental sciences* 10.18638/arsa.2016.5.1.835
68. **Pal Nikolli**, Bilal Draçi & Ferim Gashi. The impact of migration on the population aging of Albania after 1990. International Scientific Conference on Geography "Migration and geographical space: factors, interactions, challenges", Tirana, 09 December 2016.
69. Luan Arapi, **Pal Nikolli**. Changes in the Albanian Adriatic coastline. Refer in the COD - Center for Openness and Dialogue, Tirana; in front of an audience consisting of specialists from Albanian Institutions and Departments, Professors of the Department of Geography at the University of Tirana and Professors of the Faculty of Geology and Mining at the Polytechnic University of Tirana. Tirana, 12 May 2017.
70. **Pal Nikolli**, Bilal Draçi, Ferim Gashi. *Interregional Spatial Planning and unifying of geo-cartographic materials*. 2017 International Scientific Conference "Interregional developments in

geographical, historical, social, economical and cultural focus”, “Fan S. Noli” University, November 3, 2017. Korçë, Albania.

71. Skender Sala, **Pal Nikolli**. Kelmend’s cross border area has high natural potential for tourism development. International Scientific Conference “Transboundary spaces. Dynamics and Challenges”, Department of Geography, University of Tirana and Department of Geography, University of Gjirokastra “Eqerem Çabej”, Gjirokaster, Albania, 01-02 December 2017.

72. Bilal Draçi, Dhimitër Doka, **Pal Nikolli**, Sokol Allaraj. Euro regions and Albanian boundary zones – a comparative approach. International Scientific Conference “Transboundary spaces. Dynamics and Challenges”, Department of Geography, University of Tirana and Department of Geography, University of Gjirokastra “Eqerem Çabej”, Gjirokaster, Albania, 01-02 December 2017.

73. Ferim Gashi, **Pal Nikolli**, Roland Merxha, Ibrahim Ramadani. Application of the Geographical Information System in the hydrodrin water companies - Peja region (Kosovo). 7-th International Conference on Cartography and GIS. 18 – 23 June 2018, Sozopol, Bulgaria.

74. Ferim Gashi, **Pal Nikolli**, Ibrahim Ramadani. Developments in cartographic generalization. 7-th International Conference on Cartography and GIS. 18 – 23 June 2018, Sozopol, Bulgaria.

75. Ismail Kabashi, **Pal Nikolli**, Bashkim Idrizi, Veton Hamza. Deformation analyses of geodetic network in “Jabllanica” dam, through Hannover method. 1-st Western Balkan Conference on GIS, Mine Surveying, Geodesy, Geomatics. 3 – 4 October 2018, Tirana, Albania.

76. Luan ARAPI, Rrezart BOZO, **Pal NIKOLLI**: Evaluation of coastal erosion along Albanian Adriatic coast. 1-st Western Balkan Conference on GIS, Mine Surveying, Geodesy, Geomatics. 3 – 4 October 2018, Tirana, Albania.

77. **Pal NIKOLLI**, Skënder SALA, Adelajda HALILI: The national spatial data infrastructure of Albania and European Integration. International Scientific Conference “Albania and Albanians in the integration processes”. Tirana, 14-15 February 2020.

78. **Pal NIKOLLI**: "Benefits, advantages and disadvantages of online learning". "Geography Days" workshop, July 12-13, 2021. Tirana.

79. **Pal NIKOLLI**: "Scale in digital maps and GIS". "Geography Days" workshop, July 12-13, 2021. Tirana.

80. **Pal Nikolli**, Sonila Xhafa. Development of GIS in Albania. Workshop - Gis day "GIS in Geosciences". Faculty of History and Philology. November 17, 2021. Tirana.

81. **Pal NIKOLLI**, Bilal DRAÇI. Analysis of spatial-time distribution of COVID-19 in Albania (Analysis of spatial - time distribution of COVID-19 in Albania). International Scientific Conference "Geographical changes during the pandemic COVID-19". Organizer: Department of Geography, Faculty of History and of Philology, University of Tirana. Tirana, December 16-17, 2021.

82. Adelajda Halili, **Pal Nikolli**. Assessment and analysis of the urban growth of the city of Vlora using GIS/Remote Sensing. Scientific Conference "Albanian Settlements - State and Future". Organized by the Academy of Sciences of Albania, "Aleksandër Xhuvani" University Elbasan and "Eqerem Çabej" University Gjirokastër. Elbasan, December 17, 2021.

83. Sonila Xhafa, **Pal Nikolli**, Romeo Hanxhari, Enkela Begu: Geoinformation and public information during the pandemic. Academy of Sciences of Albania. SCIENTIFIC FORUM "Infodemic caused by Covid-19, its consequences and coping", February 16, 2022, Tirana.

84. **Pal Nikolli**. The graphic and cartographic values of the book "The Geography of Albania" by the authors prof. dr. Dhimitër Doka & prof. dr. Perikli Qiriazi, publication of SPRINGER, 2022. Press release at the presentation of this book, organized by the Academy of Sciences of Albania, Tirana 04/30/2022.

85. **Pal Nikolli**, Sonila Xhafa. The use of satellite images as a source of data in some geographical studies in Albania. WORKSHOP: "REMOTE SENSING AND ADVANCED 3D LASER SCANNER TECHNOLOGY (generation of POINT CLOUD data)". Organized by the Department of Geography in cooperation with the companies Vermessung Angst ZTI (Vienna) and ALB MATRIX GROUP Sh.p.k. (Tirana). Tirana, 06.05.2022.

86. **Pal NIKOLLI**, Sonila XHAFI. A quantitative assessment of Albanians territory based on the map of prof. Ahmet Gashi. International Scientific Conference "Geography and Development. 110 years Albanian State". Organizer: Department of Geography/Faculty of History and Philology/University of Tirana. Tirana, November 16-17, 2022.

87. **Pal Nikolli**, Bashkim Idrizi. Neogeography [New Geography] and its applications in Albania. International Scientific Conference "Geography, Innovation, Education". Organizer: Department of Geography/Faculty of History and Philology/University of Tirana. Tirana, December 15, 2023.

SCIENTIFIC
DISCUSSIONS AND
PAPERS

1. Photogrammetric methods in the projection of roads works. Refer in the scientific session of the former Institute of Studies and Design of Roads - Railways, Ministry of Construction (ISP. No. 2), Tirana, November 1983.
2. Comparison of transient curves. Referring to the scientific session of the former ISP. No.2, April 1984.
3. Definition of the collecting constant of EEC-2000 and its use in bridge marking. Refer in the scientific session of the former ISP. no.2, February 1985.
4. EEC-2000 applications in the projection of railways and railway tunnels. Refer in the scientific session of the former ISP no.2, November 1986
5. Use of mathematical statistics apparatus in the study of coastline movement. Refer in the scientific session, organized by FIN of UPT on 26.11.1990.
6. GIS and its applications in Geographical Studies. Refer in the Scientific Session of the Department of Geography on 30.10.1995
7. On Geographical Information in the Department of Geography of UT. Discussion at the seminar "On the infrastructure of geographical information in Albania", Tirana 10-11 March 1998.

PROJECTS

1. The Project: Publication no. 23, 24 and 25 of the journal "Geographical Studies" - provided by the Department of Geography, Faculty of History and Philology, University of Tirana. July – December 2023.
2. The project "Geographic Changes during the Covid 19 Pandemic", made possible by the Department of Geography, Faculty of History and Philology, University of Tirana. October – December 2021.
3. The project "Natural heritage and attractive landscapes of the Municipality of Tirana (Albanian and English), enabled by the Municipality of Tirana and directed by prof. dr. Perikli Qiriazi. October – December 2021.
4. GEOWEB project: Modernization of geodesy teaching in the Western Balkans with a focus on competencies and learning outcomes (2015 - 2018). Compiler of curricula and other documentation of the Professional Master "Applied GIS", which was opened at the Department of Geography in the academic year 2018-2019.
5. INSPIRATION - Spatial Data Infrastructure in the Western Balkans (2012 - 2013).
6. On changes in the Adriatic coastline (2004-2005). At the Hydrometeorological Institute of ASH (b / author).

7. Compilation and publication of the atlas of the population of Albania” (2004-2007) (b / author).
8. Establishment of teaching-scientific direction of geoinformatics in the Department of Geography of the Faculty of History and Philology of the University of Tirana - an international project in cooperation with the Geographical Institute of Potsdam, Germany (2000-2003) (b / author).
9. Compilation of the ECTS information package (Albanian and English) for the Faculty of History and Philology, with the support of the “SOROS” Foundation (2000-2002) (b / author).
10. Automatic compilation of cadastral maps (1996-1999), b / author (about 25 cadastral maps in PMU for SRPP).
11. Cadastre and registration of immovable property (comparative view) - for the former NMP at the former SRPP - Tirana (1998).
12. Study on the dynamics of the Adriatic coast (1987-1994), coauthor (in the Department of Geodesy).
13. Study and design of geodetic works in:
 - Milot-Klos Railway, coauthor (1985-1987).
 - Tarazh Bridge, coauthor (1986).
 - The Tunnel of Prosek, coauthor (1986).
 - The bridge over Lake Ulza, coauthor (1986).
 - Pretushë Tunnel, coauthor (1984).
 - Some roads in the districts of Mirdita, Përmet, Tropojë, Puka, Mat, etc., (1983-1987).
 - Pogradec-Korça railway, coauthor (1983-1985).
 - Lezha-Shengjin railway, coauthor (1985).

Member of
the Editorial
Board
of Scientific
Journals
and Scientific
Conferences
Committees

1. Member and reviewer of articles in the proceedings of the International Scientific Conference "Importance of developing National Spatial Data Infrastructure of the Republic of Macedonia based on INSIPRE directions" Skopje, March 27, 2009.
2. Member of the Organizing Committee of the International Conference entitled "International Conference on Spatial Data Infrastructures 2010" (15th to 17th September 2010 at FON University in Skopje, Republic of Macedonia) and reviewer of the proceedings of this conference.
3. Reviewer of the article "The Development of a Property Market in Albania" prepared by Edison Bregu and Chryssy Potsiou. South-Eastern European Journal of Earth Observation and Geomatics” Vol 1, No 2s (2012).
4. Member of the VLBI European Group for Geodesy and Astrometry.
5. Member of the "Association for Geospatial Information in South-East Europe".
6. Member of the editorial board of the magazine "Geomatics" - publication of the Military Geographical Institute of Albania.
7. Deputy Editor-in-Chief of the magazine "Geoinformatics & Geomatics" - body of the Nationwide Association of Albanian Surveyors "Karl Gega".
8. Member of the International Organizing Committee of the International Conference "Spatial Data Infrastructures and Spatial Information Management 2013" (13-16 November 2013).
9. Member of the Editorial Board of the scientific journal: Micro Macro & Mezzo Geo Information. Publisher: Geo-SEE Institute, Skopje, Macedonia;
10. Member of the International Scientific Committee of the Scientific Conference entitled: "1st Western Balkan Conference on GIS, Mine Surveying, Geodesy, and Geomatics". 3 - 4 October 2018, Tirana, Albania.
11. Member of the Executive Committee of The International Scientific Conference "Albania and Albanians in the integration processes". Tirana, February 14-15, 2020.
12. Member of the Executive Committee of Intercontinental Geoinformation Days (IGD), May 5-6, 2021, Mersin, Turkey. The 2-day conference offered online technical sessions and

seminars. The technical program consisted of dozens of presentations within the fields of surveying, distance measurement, photogrammetry, land administration, cartography, GIS and geodesy, including best practices and new research.

<http://igd.mersin.edu.tr/2020/?fbclid=IwAR21j9MB6R2b9M9LXkfWHD9axRrvHOMayLXQF88J84glygoSELjjfwWlw#executivecommittee>

13. Member of the Scientific Committee in Workshops and Scientific Conferences organized by the Department of Geography, Faculty of History and Philology, University of Tirana (2019 – 2021)

14. Reviewer of the text "Geoinformatics and Geoinformation", prepared by dr. Edon Maliqi, UBT University College, Pristina, 2021

MEMBERSHIPS

1. Association for Geospatial Information in South East Europe (AGISEE)
2. VLBI European Group for Geodesy and Astronomy.
3. Association of Albanian Surveyors, Tirana,
4. Nationwide Association "Karl Gega" of Albanian Surveyors and Cartographers
5. National Committee of Geographers, Tirana.

TRANSLATIONS AND ADAPTATIONS

1. Robert Elsie. Gjergj Fishta and the Albanian National Epic (Part I). Published in "Mirdita", Cultural – Periodical Magazine, 2021/32. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2021. ISSN: 2519 – 7894. Pg. 5 - 10. **(Translated and adapted by Pal NIKOLLI)**

2. Robert Elsie. Gjergj Fishta and the Albanian National Epic (Part II). Published in "Mirdita", Cultural Magazine – Periodical, 2022/35. Publication of the Academy of Art, Science and Letters "Mirdita". Tirana, GEER 2022. ISSN: 2519 – 7894. Pg. 3 - 10. **(Translated and adapted by Pal NIKOLLI)**

PERSONAL SKILLS

Mother tongue Albanian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	B2
Faculty of Foreigner Languages, Tirana, Albania, Level C1					
Russian	B1	B2	B1	B1	B2
Faculty of Foreigner Languages, Tirana, Albania, Level: B2					

Communication skills I have participated and worked in several research - scientific and projection groups, in national and international projects, etc.

Organization skills I have led groups of researching and studying in the projection of several railway and road works (1983 - 1987), the design of projects for the compilation of various maps and atlases, etc.

Other skills Knowledge and use of cartographic software and GIS / Remote Sensing