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## ▼ Publication list

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### *Contributions in Journal*

**Pepkolaj, L.**, Arnal-Palacián, M., Begué, N., & Prahmana, R. C. I. (2024). Demotivating factors in teaching mathematics: A study of Albanian teachers. *Infinity*, 13(1), 27-44.

**Pepkolaj, L.**, Koçi, E., Limaj, E. (2023). "Motivations for the correct use of errors in mathematics in pre-university education". *Journal of Natural Sciences*. University of Tirana. ISSN 2305-882X nr. 34, 77-96.

**Pepkolaj, L.**, Dhimitri, J. (2023). "Advancing education in Albania towards effective ICT integration, teacher preparation, and Future-Ready Classrooms". *Education, Journal of Educational Research*. ISSN 2671 – 3276. Vol. 5 | No. 9-10, 99 – 109.

Agaj, D., Tufina, S., **Pepkolaj, L.**, Arnal-Palacián, M., & Dibra, E. (2023). "Motives that Drive Young People to Pursue a Teaching Career: Case of Albania Using the Fit Choice Scale". *Journal of Educational and Social Research*. Vol 13 No 5, 67-76. <https://doi.org/10.36941/jesr-2023-0121>

**Pepkolaj, L.** (2023). "The pedagogical thought of Hannah Arendt". *Kyrias*. Tirana, nr.1, 66-71.

**Pepkolaj L.**, Duraj, S. Hoxha, V. (2022). "Some aspects in the implementation of mathematical tests." *Science Bulletin, Natural Science Series, Shkodra*, nr. 72, ISSN 2221-6847, 15-30.

Dhimitri, J., **Pepkolaj, L.**, Avdia, B. (2021). "Geography and math teachers in distance learning education amid covid-19 pandemic in Albania". *Dela* 56, 175 – 191. <https://doi.org/10.4312/dela.56.175-191>.

**Pepkolaj, L.**, Duraj, S. (2021). "How substantial and efficacious is the learning of linear algebra at undergraduate level?". *Mathematics Teaching Research Journal*. Vol 13, no 3. New York. ISSN#2573-4377.

**Pepkolaj, L.**, Duraj, S. (2020). "The value of error in the construction of mathematics learning." *Science Bulletin, Natural Science Series, Shkodra*, nr. 70, ISSN 2221-6847, 32-46.

**Pepkolaj L.**, Duraj, S. (2019). "Representation systems in mathematics teaching, university level." *Science Bulletin, Natural Science Series, Shkodra*, nr. 69, ISSN 2221-6847, 31-41.

**Pepkolaj, L.**, Koçi, E. (2018). "Moodle platform: LO training unit." *Natural Science Bulletin*. Tirana. ISSN 2305-882X nr. 26, 281-292.

**Pepkolaj, L.**, Rexha, G. (2018). "Representations and communications in mathematics: the possibilities offered by Moodle." *Optime*, Tirana. seria e IX nr. 2, ISSN 2220-461X, 175-181.

**Pepkolaj, L.**, Rexha, G. (2017). "The development of e-learning: scientific research in technology and education". *Optime*, Tirana, seria e VIII nr.1 ISSN 2220-461X, 151-159.

Albano, G., **Pepkolaj, L.** (2014). "Formative Self-Assessment to Support Self-driven Mathematics Education at University level". *Lecture Notes in Computer Science series*, Vol. 8699, pp. 82-91, "New Horizons in Web Based Learning", ICWL, International Workshops, revised Selected Papers.

Coppola, C., Pacelli, T., **Pepkolaj, L.** (2013). "E-learning e matematica: stato dell'arte tra ricerca in tecnologia e didattica". L'Educazione Matematica. Cagliari Itali, serie X, Vol. 3, n. 1, ISSN 1120-4850, 9-44.

*Contributions to symposiums, conferences, congresses, and workshops*

**Pepkolaj, L.** Zekaj, Xh. Luma, M. (2023). "Multiple Intelligences In Mathematics: A Personalized Approach To Optimize Learning". The Third International Conference "Globalisation and Integration in Contemporary Education" December 1<sup>st</sup> 2023. Conference venue University of Elbasan "Aleksandër Xhuvani.

**Pepkolaj, L.** "Technology and the role of language in mathematics learning." Workshop: "The challenge of the new mathematics curriculum in pre-university education and its impact on university education" organized by the Department of Mathematics, Faculty of Natural Sciences, University of Tirana. December 17, 2022.

Harizaj, H. **Pepkolaj, L.** "The Equating of Test Scores of Common Subjects from Matura Exams to Improve the Comparability of Admission of Students in Universities". The 2nd International Conference on Intelligence-based Transformations of Technology and Business held by Canadian Institute of Technology (CIT) on October 14-15, 2022, Tirana, Albania. pp.122-127. ISBN: 978-9928-4680-0-0.

**Pepkolaj, L.**; Rama, D.; Lleshi, M. "The main areas of the European digital agenda - the case of Albania". Konferenca "Hyrja e Shqipërisë në Komunitetin European" organizuar nga Kolegji Universitar "Qiriazi" for academic staff and students of the University College (IPE), Poggiorevante Bari, Italy. May 13, 2022.

**Pepkolaj, L.**; Bekolli, A.; Gjini, V. "Some aspects of addition and subtraction of fractions in secondary school". International Academic Institute. International Virtual Academic Conference. Education and Social Sciences Business and Economics. Republic of N. Macedonia, November & December 2021. ISSN 2671-3179, pp. 52-59.

Dhimitri, J.; **Pepkolaj, L.**; Karaguni, M. "Analysis of the Technology Acceptance Model (TAM) towards teachers in the pre-university education system during the Covid-19 pandemic." Conference held by the Faculty of History and Philology, University of Tirana. December 16-17, 2021. Tirana.

Duraj, S.; **Pepkolaj, L.**; Hoxha, G. "Adopting Drone Technology in Mathematical Education". 3rd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), 11-13 June 2021. Ankara, Turkey. Publisher: IEEE. DOI: 10.1109/HORA52670.2021.9461297.

**Pepkolaj, L.**; Rexha, G.; Luma, M. "Experiences and Reflections from the Online teaching During Covid-19: Hybrid Learning as Future Approach". The 1st Online International Conference "Shaping the future: Digital economy and recent technology trends" held by Canadian Institute of Technology (CIT) on April 23, 2021, Tirana, Albania. pp.204-212. ISBN: 978-9928-4680-0-0.

Sila, E.; Duraj, S.; **Pepkolaj, L.** "The didactic strategies for learning geometric transformations in Mathematics curriculum in high schools of Albania". Fourteenth International Conference on: "Social and Natural Sciences – Global Challenge 2021" ICSNS – 2021. 18 April Paris, pp 99-108 ISBN: 978-9928-259-20-2

**Pepkolaj, L.**; Duraj, S.; Toma, V; Gerbeti, D. "A collaborative learning experience in high school mathematics". The 2nd International Conference on Human-Computer Interaction, Optimization

and Robotic Applications (HORA), 26-27 June 2020, Ankara, Turkey. DOI: 10.1109/HORA49412.2020.9152852. Konferencë e indeksuar në scopus.

**Pepkolaj, L.**; Duraj, S.; Gerbeti, D. "The third millennium teachers train on their really needs: the Albania case". International Conference Proceedings: The Future of Education - 10th edition 18-19 June 2020, Florence Italy, ISBN 978-88-85813-87-8, ISSN 2384-9509, DOI 10.26352/E618\_2384-9509, pp.619-624.

**Pepkolaj, L.**; Duraj, S.; Gerbeti, D. "Definition of a Classification of the Difficulties in Linear Algebra in Psychological Terms". International Conference Proceedings: New perspectives in science education, 9th Edition. 19-20 March 2020, Florence Italy. ISBN 978-88-85813-90-8, ISSN 2384-9509, DOI 10.26352/E319\_2384-9509, pp.374-379.

Duraj, S.; **Pepkolaj, L.**; Gurraj, E. "Interactive teaching for mathematics in high school". International Academic Institute. Education and Social Sciences Conference Business and Economics Conference. Corvinus University Budapest, Hungary 26 November 2019. ISSN 2671-3179, pp. 105-114.

**Pepkolaj, L.**; Bekolli, A; Çela, E. "Design of ontology in the matter of linear algebra". International Scientific Conference. Innovation, Mathematics and Information Technology. Tirana, 22 – 23, November 2019. ISBN: 978 – 1 – 78911 – 006 – 7 1, pp.55-56.

Rexha, G.; **Pepkolaj, L.** "A "recovery" metacognitive intervention to improve the results of the algebra course". 15th International Conference "Standardization, Prototypes & Quality" Prototypes and Quality: A means of Balkan Countries'. 24 - 25 October 2019 Edirne Turkey. ISBN 978-975-374-247-4, Trakya University Press, pp. 621 - 626.

**Pepkolaj, L.**; Rexha, G. "Quizzes and Formative Self-Assessment", Proceedings of the 14th International Conference "Standardization, Prototypes and Quality: A means of Balkan Countries' Collaboration". 21 – 22 September 2018. ISBN: 978-9928-127-95-2, pp.196-201.

**Pepkolaj, L.**; Rexha, G. "The role of communication in e-learning: Didactic quadrilateral", Proceedings of the Fourth International Scientific Conference "Problems and Challenges of Transformation of the Society towards Standards of the European Union Conference", Tirana, 22 December 2017. ISSN 2520-03999, pp. 340 – 346.

Albano, G.; **Pepkolaj, L.** Workshop: "On Peer-Review, Peer-Assessment, and Self-Assessment in Education". Estonia 2015.

Albano, G.; Mangione, G.R.; Pieri, A.; **Pepkolaj, L.** "Didactics by competence: Problem solving through mathematical storytelling" Doing mathematics in everyone's school, XXXI UMI-CIIM Conference. October 17-18-19, 2013.

Coppola, C.; Pacelli, T.; **Pepkolaj, L.** "The state of theory in e-learning between scientific technological research and didactics." XXX National Seminar of Scientific Research in the Didactics of Mathematics "Giovanni Prodi" with the theme: "Scientific Research in E-Learning and the Didactics of Mathematics: Integrations, Experiences and Reflections". Held Jan. 23-26, 2013 in Rimini, Italy.