

REALIZED SCIENTIFIC ACTIVITIES

Despite the difficult world situation caused by the Covid 19 pandemic, the ICMIPA-UNESCO Chair and the CAM-FMEN successfully achieved:

- webinar on
MATHEMATICS FOR HUMAN FLOURISHING IN THE TIME OF COVID-19 AND
POST COVID-19, 21. October 2020
http://camfmn.masfak.ni.ac.rs/Webinar_Covid.html
- international scientific conference
MATHEMATICS FOR SOCIAL SCIENCES AND ARTS - ALGEBRAIC
MODELING, MS²A²M 2021, 24-26 of May 2021
<http://mathsocart.masfak.ni.ac.rs/>
- international scientific conference
CLASSICAL and CONSTRUCTIVE NONASSOCIATIVE ALGEBRAIC
STRUCTURES: FOUNDATIONS AND APPLICATIONS, CaCNAS:FA 2021,
30 of June-2 of July 2021
<http://cacnas.masfak.ni.ac.rs/>

JOINT PAPERS

1. M. N. Hounkonnou, M. J. Landalidji, M. Mitrović, *Noncommutative Kepler Dynamics: symmetry groups and bi-Hamiltonian structures*, Theoretical and Mathematical Physics, 207, 2021, 751-769.

<https://link.springer.com/article/10.1134/S0040577921060064>

(IF 0,854 - M23)
2. M. N. Hounkonnou, F. Melong, M. Mitrović, *Generalized Witt, Witt n-algebras, Virasoro algebras and KdV equations induced from R(p; q)-deformed quantum algebras*, Reviews in Mathematical Physics Vol. 33, NO. 04, 2020, No. 2150011 (33 pages), DOI: 10.1142/S0129055X21500112.

(IF 1,215- M22)

<https://www.worldscientific.com/doi/epdf/10.1142/S0129055X21500112>
3. M. Mitrović, M. N. Hounkonnou, M. A. Baroni, *Theory of constructive semigroups with apartness - foundations, development and practice*, arXiv:2008.11008v1

<https://arxiv.org/abs/2008.11008> (accepted in Fundamenta Informaticae)

(IF 1,333- M22)

4. M. N. Hounkonnou, M. Mitrović, *Mathematics for human flourishing in the time of COVID-19 and post COVID-19*, in the Proceedings of the Fifth International Conference „Mechanical Engineering in XXI Century“, MASING, 9-10 December 2020, Niš, 387-390.

(M33)

https://www.eventiotic.com/eventiotic/files/masing2020_Book_of_Abstracts.pdf

5. M. N. Hounkonnou, M. Mitrović, M. A. Baroni, *Constructive HMR-order theory for semigroups with apartness*, 9th International Conference Logic and Applications, LAP, September 21 - 25, 2020, Dubrovnik, Croatia, Book of abstracts, 15-17.

(M33)

<https://drive.google.com/file/d/1MLqIRHnrF8GxCi756ZWmkjsmsIDsnVHB/view>

TALKS GIVEN ON CONFERENCES OR SEMINARS

- M. N. Hounkonnou, M. Mitrović, *Constructive HMR-order theory for semigroups with apartness*, 9th International Conference Logic and Applications, LAP, September 21 - 25, 2020, Dubrovnik, Croatia
- M. N. Hounkonnou, M. Mitrović, *Mathematics for human flourishing in the time of Covid-19 and post Covid-19*, MASING 2020, December 9-10, Niš
- M. N. Hounkonnou, M. J. Landalidji, M. Mitrović, *Noncommutative Kepler Dynamics: symmetry groups and bi-Hamiltonian structures*, in Book of Abstracts Second International Conference on Integrable Systems & Nonlinear Dynamics, ISND 2020, 19-23 October 2020, Yaroslavl, Russia
https://lomonosov-usu.ru/file/event/6054/eid6054_attach_9bc6d41fe4caa424589bc7d6d5529e53fbcc87a7.pd_f#page=42
- Mahouton Norbert Hounkonnou, Melanija Mitrović, *Problematic of mathematics and social sciences: a ubiquitous constructive interaction in algebraic modeling*, **MS²A²M 2021**, 24-26.5.2021, Niš
- M. Mitrović, D. A. Romano, M. N. Hounkonnou, *Constructive semigroup with apartness: the state of the art*, **MS²A²M 2021**, 24-26.5.2021, Niš
- M. Mitrović, M. N. Hounkonnou, D. A. Romano, *Конструктивне семигрупе са апартнес релацијом - нови путеви ка примени алгебре у вештачкој интелигенцији*, Serbian Artificial Intelligence Seminar, SAI, 16 of June 2021
- Mahouton Norbert Hounkonnou, Bignon Hugues Degbedji, Melanija Mitrović, *f-generalized Witt algebras*, **CaCNAS:FA 2021**, 30 of June-2 of July 2021, Niš

- M. Mitrović, D. A. Romano, M. N. Hounkonnou, *Galois like connections for a constructive set with apartness*, **CaCNAS:FA 2021**, 30 of June-2 of July 2021, Niš