

1.MAS-PatientCare: Medical Diagnosis and Patient Management System Based on a Multi-agent Architecture

2025 | Book chapter

DOI: [10.1007/978-3-031-84093-7_17](https://doi.org/10.1007/978-3-031-84093-7_17)

Contributors: Kristijan Cincar; Todor Ivascu; Viorel Negru

2.A Simulation-based Analysis Using Machine Learning Models to Optimize Patient Flow and Treatment Costs

BRAIN. Broad Research in Artificial Intelligence and Neuroscience

2025-07-29 | Journal article

DOI: [10.70594/brain/15.3/13](https://doi.org/10.70594/brain/15.3/13)

Contributors: Kristijan Cincar; Andrea Amalia Minda; Marija Varga

3.Performance Assessment of Neural Networks in Medical Treatment Cost Estimation

BRAIN. Broad Research in Artificial Intelligence and Neuroscience

2025-07-29 | Journal article

DOI: [10.70594/brain/16.S1/8](https://doi.org/10.70594/brain/16.S1/8)

Contributors: Kristijan Cincar; Andrea Amalia Minda; Marius Susa

4.Security in Wireless Sensor Networks for Precision Agriculture: Threats, Prevention, and Protection Mechanisms

BRAIN. Broad Research in Artificial Intelligence and Neuroscience

2025-07-29 | Journal article

DOI: [10.70594/brain/16.2/25](https://doi.org/10.70594/brain/16.2/25)

Contributors: Marius Susa; Kristijan Cincar; Andrea Amalia Minda

5.Comparative study of machine learning methods to classify bowel polyps

Proceedings - 2023 25th International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2023

2023 | Conference paper

DOI: [10.1109/SYNASC61333.2023.00048](https://doi.org/10.1109/SYNASC61333.2023.00048)

EID:

2-s2.0-85193785498

Part of ISBN: [9798350394122](https://doi.org/9798350394122)

Contributors: Cincar, K.; Ivascu, T.; Negru, V.

6.Human-Plant Symbiosis by Integrated Roof-Top Greenhouses

Advances in Intelligent Systems and Computing

2021 | Conference paper

DOI: [10.1007/978-3-030-52190-5_6](https://doi.org/10.1007/978-3-030-52190-5_6)

EID:

2-s2.0-85097991991

Part of ISBN: [9783030521899](https://doi.org/9783030521899)

Part of ISSN: [21945365 21945357](https://doi.org/21945365_21945357)

Contributors: Balas, M.M.; Lile, R.; Copolovici, L.; Dicu, A.; Cincar, K.

Dr Kristijan Cincar *via* Scopus - Elsevier

7.Rule-based Health Status Evaluation System

2021 9th E-Health and Bioengineering Conference, EHB 2021

2021 | Conference paper

DOI: [10.1109/EHB52898.2021.9657694](https://doi.org/10.1109/EHB52898.2021.9657694)

EID:

2-s2.0-85124526508

Part of ISBN: [9781665440004](https://doi.org/9781665440004)

Contributors: Cincar, K.; Ivascu, T.

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8.Transfer Learning-Based Classification of Gastrointestinal Polyps

BIBE 2021 - 21st IEEE International Conference on BioInformatics and BioEngineering, Proceedings

2021 | Conference paper

DOI: [10.1109/BIBE52308.2021.9635497](https://doi.org/10.1109/BIBE52308.2021.9635497)

EID:

2-s2.0-85123678301

Part of ISBN: [9781665442619](https://doi.org/9781665442619)

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9.Hospital management and scheduling with multi agents approach

2020 8th E-Health and Bioengineering Conference, EHB 2020

2020 | Conference paper

DOI: [10.1109/EHB50910.2020.9280281](https://doi.org/10.1109/EHB50910.2020.9280281)

EID:

2-s2.0-85098867031

Part of ISBN: [9781728188034](https://doi.org/9781728188034)

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10.Machine Learning algorithms approach for Gastrointestinal Polyps classification

INISTA 2020 - 2020 International Conference on INnovations in Intelligent SysTems and Applications, Proceedings

2020 | Conference paper

DOI: [10.1109/INISTA49547.2020.9194659](https://doi.org/10.1109/INISTA49547.2020.9194659)

EID:

2-s2.0-85091968011

Part of ISBN: [9781728167992](https://doi.org/9781728167992)

Contributors: Cincar, K.; Sima, I.

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11.Towards improving crowdsourcing learning for students by using artificial intelligence

eLearning and Software for Education Conference

2020 | Conference paper

DOI: [10.12753/2066-026X-20-095](https://doi.org/10.12753/2066-026X-20-095)

EID:

2-s2.0-85096476014

Part of ISSN: [20668821 2066026X](#)

Contributors: Codreanu, I.-A.; Cincar, K.

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Dr Kristijan Cincar *via* Scopus - Elsevier

12.Agent-Based Hospital Scheduling System

Proceedings - 21st International Symposium on Symbolic and Numeric Algorithms for Scientific Computing, SYNASC 2019

2019 | Conference paper

DOI: [10.1109/SYNASC49474.2019.00055](#)

EID:

2-s2.0-85083700197

Part of ISBN: [9781728157245](#)

Contributors: Cincar, K.; Ivascu, T.

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Dr Kristijan Cincar *via* Scopus - Elsevier

13.Extracting association rules from emergency department data

2019 7th E-Health and Bioengineering Conference, EHB 2019

2019 | Conference paper

DOI: [10.1109/EHB47216.2019.8969967](#)

EID:

2-s2.0-85079355606

Part of ISBN: [9781728126036](#)

Contributors: Ivascu, T.; Cincar, K.; Carunta, A.

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Dr Kristijan Cincar *via* Scopus - Elsevier

14.A disease-driven nutrition recommender system based on a multi-agent architecture

ACM International Conference Proceeding Series

2018 | Conference paper

DOI: [10.1145/3227609.3227685](#)

EID:

2-s2.0-85053485268

Part of ISBN: [9781450354899](#)

Contributors: Ivaşcu, T.; Diniş, A.; Cincar, K.

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15.Activities of daily living and falls recognition and classification from the wearable sensors data

2017 E-Health and Bioengineering Conference, EHB 2017

2017 | Conference paper

DOI: [10.1109/EHB.2017.7995502](#)

EID: 2-s2.0-85028537935

Part of ISBN: [9781538603581](#)

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