

Asst. Prof. MEHMET GÖKHAN BAKAL

Personal Information

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International Researcher IDs

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Education Information

Doctorate, University of Kentucky, College of Engineering, Computer Science, United States Of America 2014 - 2019

Postgraduate, University of Kentucky, College of Engineering, Computer Science, United States Of America 2012 - 2014

Undergraduate, Trakya University, Faculty Of Engineering And Architecture, Department Of Computer Engineering, Turkey 2005 - 2009

Research Areas

bioinformatics, Knowledge Engineering, Computer Learning, Text/Document Processing

Academic Titles / Tasks

Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2022 - Continues

Lecturer PhD, Abdullah Gul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - 2022

Academic and Administrative Experience

Deputy Head of Department, Abdullah Gul University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2023 - Continues

Courses

Text Mining, Doctorate, 2020 - 2021

Art of Computing, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- Exploiting semantic patterns over biomedical knowledge graphs for predicting treatment and causative relations**

Bakal G., Talari P., Kakani E., Kavuluru R.

JOURNAL OF BIOMEDICAL INFORMATICS, vol.82, pp.189-199, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **An empirical study of sentiment analysis utilizing machine learning and deep learning algorithms**
Erkantarci B., Bakal M. G.
Journal of Computational Social Science, vol.6, pp.1-17, 2023 (ESCI)
- II. **Document Classification with Contextually Enriched Word Embeddings**
Mahmood R. S., Bakal M. G., Akbaş A.
Balkan Journal of Electrical and Computer Engineering, vol.12, no.1, pp.90-97, 2023 (Peer-Reviewed Journal)
- III. **Non-Negative Matrix Factorization for Drug Repositioning: Experiments with the repoDB Dataset.**
Bakal G., Kilicoglu H., Kavuluru R.
AMIA ... Annual Symposium proceedings. AMIA Symposium, vol.2019, pp.238-247, 2020 (Peer-Reviewed Journal)
- IV. **Predicting Treatment Relations with Semantic Patterns over Biomedical Knowledge Graphs.**
Bakal G., Kavuluru R.
Mining intelligence and knowledge exploration : third International Conference, MIKE 2015, Hyderabad, India, December 9-11, 2015. Proceedings. MIKE (Conference) (3rd : 2015 : Hyderabad, India), vol.9468, pp.586-596, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **On Clustering Covid-19 Tweets with Text Mining Perspective**
Bakal M. G., Abar H., Öztürk İ., Abar O., Abar O. (Editor)
in: Text Mining Applications Using Real-World Data in Python, Orhan Abar, Editor, Nobel Yayinevi, Ankara, pp.1-22, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **A Computational Drug Repositioning Effort using Patients' Reviews Dataset**
Akkaya A., Bakal G.
2023 International Conference on Smart Applications, Communications and Networking (SmartNets), İstanbul, Turkey, 25 - 27 July 2023, pp.1-6
- II. **A Transfer Learning Application on the Reliability of Psychological Drugs' Comments**
Şen T. Ü., Bakal G.
2023 International Conference on Smart Applications, Communications and Networking (SmartNets), İstanbul, Turkey, 25 - 27 July 2023, pp.1-6
- III. **On Comparative Classification of Relevant Covid-19 Tweets**
Bakal M. G., Abar O.
2021 6th International Conference on Computer Science and Engineering (UBMK), Ankara, Turkey, 15 - 17 September 2021, pp.287-291
- IV. **A Comparative Analysis on Medical Article Classification Using Text Mining & Machine Learning Algorithms**
Kolukisa B., Dedetürk B. K., Adanur Dedetürk B., Gülşen A., Bakal M. G.
2021 6th International Conference on Computer Science and Engineering (UBMK), Ankara, Turkey, 15 - 17 September 2021, pp.360-365
- V. **Non-Negative Matrix Factorization for Drug Repositioning: Experiments with the repoDB Dataset.**
BAKAL M. G., kılıçoğlu h., kavuluru r.
AMIA ... Annual Symposium proceedings. AMIA Symposium, Washington, Kiribati, 16 - 20 November 2019, vol.2019, pp.238-247
- VI. **On the Predictive Potential of Graph Patterns for Biomedical Relation Extraction**
BAKAL M. G., Wallace s., kavuluru r.

AMIA 2016 ANNUAL SYMPOSIUM, Chicago, IL, United States Of America, 12 - 16 November 2016

VII. **On Quantifying Diffusion of Health Information on Twitter**

Bakal G., Kavuluru R.

4th IEEE EMBS International Conference on Biomedical and Health Informatics (BHI), Florida, United States Of America, 16 - 19 February 2017, pp.485-488

Supported Projects

Bakal M. G., Abar O., TUBITAK Project, Text Classification Using Complete Subgraphs Generated over N-grams, 2022 - 2024

Metrics

Publication: 15

Citation (WoS): 28

Citation (Scopus): 48

H-Index (WoS): 2

H-Index (Scopus): 3

Non Academic Experience

Business Establishment Private, DDI Technology, Software Development