**MINISTRY OF SCIENCE AND HIGHER EDUCATION OF THE REPUBLIC OF KAZAKHSTAN**
**KAZAKH NATIONAL RESEARCH TECHNICAL UNIVERSITY NAMED AFTER K.I.SATPAEV**

## LIST OF PUBLICATIONS
**of the doctoral student of the specialty "6D171900-Radio engineering, electronics and telecommunications"**
**Utebaeva Dana Zholdybaykyzy**

| № | Name | Type of publication | publisher's imprint | Number of pages | Co-authors |
|---|------|---------------------|---------------------|-----------------|------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Publications in international peer-reviewed scientific journals included in the Scopus/Web of Science database | | | | | |
| 1 | Practical Study of Recurrent Neural Networks for Efficient Real-Time Drone Sound Detection: A Review (Article) | Electronic | Drones, 7(1), 2023, pp 26-51, E-ISSN:2504-446X https://doi.org/10.3390/drones7010026 Computer Science Applications-83 percentile (2021) | 25 | Ilipbayeva, L.; Matson, E.T. |
| 2 | Investigation of spectra of mobile communication systems using rtl-sdr radio receiver (Article) | Electronic | Journal of Theoretical and Applied Information Technology,100 (15), 2022, pp 4844-4851, ISSN: 1817-3195; Computer Science - 30% | 8 | Ilipbayeva, L.B.; Kengesbayeva S.S. |
| Articles in publications recommended by the Committee for Quality Assurance in Science and Higher Education of the Ministry of Education and Science of the Republic of Kazakhstan | | | | | |
| 3 | Investigation of acoustic signals in UAV detection tasks for various models, (Article) | Electronic | Bulletin of AUPET, Volume 3, №50, pp 38-45, 2020, ISSN: 2790-0886e, ISSN: 2790-0894 | 5 | Ilipbayeva, L. |
| 4 | Effectiveness of the system of Unmanned Aerial Vehicles detection on the basis of acoustic signature, (Review) | Electronic | Bulletin of KazNITU, Volume 4, №140, pp 483-488, 2020, ISSN ISSN 1680-9211 | 7 | - |
| International scientific and practical conferences | | | | | |
| 8 | Multi-label UAV sound classification using Stacked Bidirectional LSTM (материал конференции) | Electronic | 2020 Fourth IEEE International Conference on Robotic Computing (IRC), 2020, pp. 453-458, doi: 10.1109/IRC.2020.00086. | 5 | Almagambetov A., Alduraibi M., Temirgaliyev Y., Ilipbayeva L. |

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Author of publications

Department of Publication Activity and Scientific Publications

Chief Scientific Secretary

D. Zh. Utebayeva

G.A. Burshukova

K.V. Turmagambetova

| 10 | Stacked BiLSTM - CNN for Multiple label UAV sound classification (материал конференции) | Electronic | 2020 Fourth IEEE International Conference on Robotic Computing (IRC), 2020, pp. 470-474, doi: 10.1109/IRC.2020.00089 | 5 | Marxuly S. Alduraibi M., Temirgaliyev Y., Ilipbayeva L. |

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Author of publications                                                                      D. Zh. Utebayeva

Department of Publication Activity and Scientific Publications              G.A. Burshukova

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