**Table 2.6.** Comparision of the results of multi-label classification (problem transformation approach)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Author(s)** | **Accuraccy score** | | | | | | |  |
| CLR | RAkEL | MLKNN | IBLR | ECC | EPS | LP | BR |
| D. Goštautaitė(2021-2024), dataset without correlated labels |  |  |  |  | 0.16-0.50 |  | 0.33-0.43 | 0.16-0.47 |
| D. Goštautaitė(2021-2024), dataset with correlated labels |  |  |  |  | 0.26-0.63 |  | 0.37-0.50 | 0.07-0.53 |
| Tahir et al. (2010), *Enron* dataset | 0.40 | 0.429 | 0.352 | 0.34 | 0.41 |  |  |  |
| Tahir et al. (2010), Scene dataset | 0.58 | 0.571 | 0.629 | 0.65 | 0.68 |  |  |  |
| Tahir et al. (2010), Yeast dataset | 0.50 | 0.465 | 0.492 | 0.51 | 0.54 |  |  |  |
| Nareshpalsingh et al. (2017),  Aldrees et al. (2016) |  | 0.32 | 0.24 |  | 0.33 | 0.26 |  |  |
| Tsoumakas et al. (2007) |  |  | **0.2-0.99** |  |  |  |  |  |
| Read et al. (2009) |  |  |  |  | 0.45-0.78 |  |  | 0.32-0.73 |
| Cherman et al. (2011) |  |  |  |  |  |  | **0.83-0.91** | **0.84-0.94** |
| Madjarov et al. (2012) | **0.09-0.89** | **0.00-0.73** | **0.01-0.63** |  | **0.00-0.80** |  |  | 0.03-0.89 |
| Prathibhamol et al. (2016) |  |  |  | **0.75-0.77** |  |  |  |  |
| Aldrees et al. (2016) |  | 0.32 | 0.24 |  | 0.33 | 0.36 |  |  |
| Santos et. al. (2011), Yeast dataset |  | 0.43-0.49 |  |  | 0.27-0.29 | 0.41-0.54 | 0.41-0.53 | 0.42-0.52 |
| Santos et. al. (2011), Scene dataset |  | 0.53-0.70 |  |  | 0.41-0.54 | 0.59-0.75 | 0.58-0.71 | 0.45-0.64 |
| Santos et. al. (2011), Scene dataset |  | 0.51-0.59 |  |  | 0.27-0.28 | 0.44-0.60 | 0.46-0.28 | 0.43-0.55 |
| Approx. average |  |  |  |  | 0.42 |  | 0.60 | 0.52 |