**Ethnobotanical Diversity, Phytochemical Screening and Biological Evaluation of Selected Medicinal Mushrooms Species**

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**Table S1. Description of mushrooms included scientific name and image.**

|  |  |  |
| --- | --- | --- |
| **S.no** | **Species Name** | **Images** |
| 1 | *Agricus arvensis* | C:\Users\wisal\Desktop\download.jpg |
| 2 | *Clitocybe frondasa* | **C:\Users\wisal\Desktop\Hydnum_repandum_fs-01.jpg** |
| 3 | *Morchella conica (Fr.)* | **C:\Users\wisal\Desktop\Morchella_conica_1_beentree.jpg** |
| 4 | *Omphalotus olearius* |  |
| 5 | *Pleurotus ostreatus* | C:\Users\wisal\Desktop\220px-Oyster_mushoom_fells.jpg |
| 6 | *Polyporus tuberaster* | C:\Users\wisal\Desktop\Poly squamosus vertical cluster from above 2 JD.jpg |

**Table S2.** Informant Consensus Factor by category of different ailment within the current study

of mushrooms.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Category of ailment** | **Number of use reports** | **Number of species** | **ICF Value** |
| 1 | Heart | 12 | 4 | |  | | --- | | 10.66 | |
| 2 | Brain | 9 | 3 | |  | | --- | | 7.66 | |
| 3 | Arthritis | 5 | 2 | |  | | --- | | 3.6 | |
| 4 | Sex stimulant | 17 | 4 | |  | | --- | | 15.76 | |
| 5 | Body tonic | 23 | 7 | |  | | --- | | 21.69 | |
| 6 | promote digestion, | 31 | 7 | |  | | --- | | 29.77 | |
| 7 | Immune system | 33 | 11 | |  | | --- | | 31.66 | |
| 8 | Stomach problem | 17 | 5 | |  | | --- | | 15.70 | |
| 9 | Chronic diarrhea | 11 | 3 | |  | | --- | | 9.72 | |
| 10 | Constipation | 7 | 2 | |  | | --- | | 5.71 | |
| 11 | Asthma | 8 | 3 | |  | | --- | | 6.62 | |
| 12 | Allergies | 6 | 2 | |  | | --- | | 4.66 | |
| 13 | microbial infection | 36 | 10 | |  | | --- | | 34.72 | |
| 14 | Cytotoxicity | 32 | 3 | |  | | --- | | 30.90 | |
| 15 | Antioxidant | 32 | 7 | |  | | --- | | 30.78 | |
| 16 | Antihypoxic | 9 | 2 | |  | | --- | | 7.77 | |
| 17 | wound healing | 8 | 2 | |  | | --- | | 6.75 | |
| 18 | Inflammation | 15 | 5 | |  | | --- | | 13.66 | |
| 19 | AIDS | 16 | 2 | |  | | --- | | 14.87 | |
| 20 | Cancer, | 63 | 16 | |  | | --- | | 61.74 | |
| 21 | Tumor | 26 | 5 | |  | | --- | | 24.80 | |
| 22 | Flu | 5 | 2 | |  | | --- | | 3.6 | |
| 23 | Colds | 6 | 2 | |  | | --- | | 4.66 | |
| 24 | Hyperlipidemia | 28 | 7 | |  | | --- | | 26.75 | |
| 25 | Hypertension | 14 | 4 | |  | | --- | | 12.71 | |
| 26 | Diabetes | 27 | 8 | |  | | --- | | 25.70 | |
| 27 | Vitamin D | 14 | 2 | |  | | --- | | 12.85 | |
| 28 | Vitamin B1 | 9 | 2 | |  | | --- | | 7.77 | |
| 29 | Blood circulation | 29 | 5 | |  | | --- | | 27.82 | |
| 30 | Weight loss | 11 | 3 | |  | | --- | | 9.72 | |
| 31 | Hepatitis, | 6 | 2 | |  | | --- | | 4.66 | |
| 32 | Osteoporosis | 18 | 3 | |  | | --- | | 16.83 | |
| 33 | Tuberculosis | 14 | 2 | |  | | --- | | 12.85 | |
| 34 | Ulcer | 13 | 3 | |  | | --- | | 11.76 | |
| 35 | Skin | 3 | 1 | |  | | --- | | 1.66 | |
| 36 | Liver diseases | 16 | 2 | |  | | --- | | 14.87 | |

**Table S3.**Species use value within the current study of mushrooms.

|  |  |  |
| --- | --- | --- |
| **S.no** | **Species Name** | **UV value** |
| 1 | *Agricus arvensis* | 0.79 |
| 2 | *Clitocybe frondasa* | 0.58 |
| 3 | *Morchella conica (Fr.)* | 0.46 |
| 4 | *Omphalotus olearius* | 0.15 |
| 5 | *Pleurotus ostreatus* | 0.87 |
| 6 | *Polyporus tuberaster* | 0.49 |

**Table S4.**Relative frequency of citation (RFC) within the current study of mushrooms.

|  |  |  |
| --- | --- | --- |
| **S.no** | **Species Name** | **RFC value** |
| 1 | *Agricus arvensis* | 0.65 |
| 2 | *Clitocybe frondasa* | 0.28 |
| 3 | *Morchella conica (Fr.)* | 0.05 |
| 4 | *Omphalotus olearius* | 0.64 |
| 5 | *Pleurotus ostreatus* | 0.46 |
| 6 | *Polyporus tuberaster* | 0.36 |