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

**CONTENTS:**

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

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

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

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

 **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 |