**Supplementary Table 3. Correlations coefficient (r) values in some measured parameters in all groups**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ALT** | **AST** | **Creatinine** | **UA** | **Cholesterol** | **MDA** | **TAC** | **CAT** | **SOD** | **GSH** | **GST** | **IL-6** | **Irisin** | **CYP450** |
| **ALT** | - | .989\* | .945\* | .973\* | .980\* | .953\* | -.880\* | -.959\* | -.939\* | -.981\* | -.968\* | .975\* | -.914\* | -.968\* |
| **AST** | .989\* | - | .954\* | .972\* | .976\* | .985\* | -.869\* | -.965\* | -.940\* | -.986\* | -.971\* | .981\* | -.915\* | -.965\* |
| **Creatinine** | .945\* | .954\* | -- | .927\* | .927\* | .968\* | -.850\* | -.923\* | -.870\* | -.969\* | -.954\* | .971\* | -.830\* | -.899\* |
| **UA** | .973\* | .972\* | .927\* | - | .979\* | .910\* | -.897\* | -.963\* | -.970\* | -.960\* | -.945\* | .966\* | -.848\* | -.970\* |
| **Cholesterol** | .980\* | .976\* | .927\* | .979\* | - | .921\* | -.837\* | -.963\* | -.961\* | -.967\* | -.955\* | .966\* | -.945\* | -.976\* |
| **MDA** | .953\* | .985\* | .968\* | .910\* | .921\* | - | -.764\* | -.923\* | -.840\* | -.976\* | -.982\* | .966\* | -.815\* | -.897\* |
| **TAC** | -.880\* | -.869\* | -.850\* | -.897\* | -.837\* | -.764\* | - | .852\* | .966\* | .955\* | .843\* | .957\* | .956\* | .914\* |
| **CAT** | -.959\* | -.965\* | -.923\* | -.963\* | -.963\* | -.923\* | .852\* | - | .946\* | .961\* | .955\* | -.963\* | .935\* | .956\* |
| **SOD** | -.939\* | -.940\* | -.870\* | -.970\* | -.961\* | -.840\* | .966\* | .946\* | - | .919\* | .891\* | -.933\* | .984\* | .975\* |
| **GSH** | -.981\* | -.986\* | -.969\* | -.860\* | -.967\* | -.976\* | .955\* | .961\* | .919\* | - | .982\* | -.984\* | .981\* | .949\* |
| **GST** | -.968\* | -.971\* | -.954\* | -.945\* | -.955\* | -.982\* | .843\* | .955\* | .891\* | .982\* | - | -.967\* | .881\* | .937\* |
| **IL-6** | .975\* | .981\* | .971\* | .966\* | .966\* | .957\* | -.963\* | -.961\* | -.933\* | -.984\* | -.967\* | - | -.907\* | -.954\* |
| **Irisin** | -.914\* | -.915\* | -.830\* | -.848\* | -.945\* | -.815\* | .956\* | .935\* | .984\* | .981\* | .881\* | -.907\* | - | .967\* |
| **CYP450** | -.968\* | -.965\* | -.899\* | -.970\* | -.976\* | -.897\* | .914\* | .956\* | .975\* | .949\* | .937\* | -.954\* | .967\* | - |

 (\*) Significant at *p*> 0.05 in each correlation.