Table S1. Pearson's correlation coefficient (r) between physicochemical properties of cultivation substrate and agronomic performance of *Pleurotus ostreatus* mushroom.

Variable	Agronomic performance of *Pleurotus ostreatus* mushroom								
	Days taken for mycelia to fully colonize substrate	Days taken for primordia initiation from fully colonized substrate	Days taken to complete first flush growth	Stipe length	Pileus diameter	Fresh weight of fruiting bodies	Number of total fruiting bodies	Number of effective fruiting bodies	Biological efficiency
Wet bulk density	0.346	0.307	0.385	0.521	0.844**	0.286	-0.190	-0.109	0.137
Particle density	0.205	0.380	0.502	0.295	0.710*	0.649	-0.396	-0.320	0.171
Porosity	-0.086	-0.211	-0.135	-0.534	-0.228	0.274	-0.192	-0.178	0.089
pH	-0.505	0.096	-0.167	0.124	-0.749*	-0.030	0.478	0.264	-0.039
Moisture content	0.190	0.293	0.227	0.624	0.397	0.261	-0.234	-0.263	0.201
Ash content	0.095	0.033	0.062	0.247	-0.051	-0.098	0.557	0.653	0.011
Volatile solids content	-0.095	-0.033	-0.062	-0.247	0.051	0.098	-0.557	-0.653	-0.011
Nitrogen	-0.101	0.218	0.201	0.246	-0.300	0.028	0.593	0.637	-0.142
Phosphorus	0.011	0.072	0.049	0.416	-0.129	-0.161	0.455	0.497	0.112
Potassium	0.112	-0.590	-0.580	-0.208	-0.492	-0.369	0.651	0.675*	0.220
Calcium	-0.194	0.214	0.137	0.338	-0.320	-0.312	0.322	0.368	-0.092
Magnesium	-0.203	0.079	-0.012	0.308	-0.345	-0.341	0.454	0.464	0.023
Iron	0.731*	-0.470	-0.157	-0.211	0.059	-0.216	0.300	0.511	-0.140
Zinc	0.333	-0.530	-0.453	-0.097	0.138	0.358	0.638	0.639	0.555
Carbon	0.104	-0.262	-0.265	-0.212	0.359	0.631	-0.257	-0.323	0.569
Lignin	0.280	0.307	0.520	-0.093	0.498	0.484	-0.474	-0.335	-0.240
Hemicellulose	0.761*	-0.641	-0.281	-0.548	0.018	-0.160	0.087	0.315	-0.131
Cellulose	-0.031	-0.309	-0.429	-0.131	0.168	0.507	0.021	-0.009	0.741*

Note:

** Significantly correlated at $p \leq 0.01$

* Significantly correlated at $p \leq 0.05$