

1. List of Abbreviations

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| AS | activated sludge |
| BTC | biological treatment capacity |
| BTU | Budapest Technical University |
| CAP | cation active polyelectrolyte, cation active polymer |
| CAPMZ | zeolite modified with CAP |
| CBOD | carbonaceous biochemical oxygen demand |
| CCRI | Central Chemical Research Institute |
| COD | chemical oxygen demand |
| COD | chemical oxygen demand |
| COD _f | chemical oxygen demand of filtered sample |
| COD _f | chemical oxygen demand of filtered water sample |
| DMRV | Danube-valley Regional Waterworks |
| DO | dissolved oxygen |
| DTA | differential thermal analysis |
| DTG | differential thermal gravimetry |
| ECP | extracellular polymer |
| EDAX | Energy Dispersive X-ray microanalysis |
| FTIR | Fourier transform infrared |
| HPO | Hungarian Patent Office |
| IEC | Ion exchange capacity |
| IGAC-BTU | Institute of General and Analytical Chemistry of Budapest Technical University |
| IR | infrared |
| IR | infra-red |
| NBOD | nitrogenous biochemical oxygen demand |
| OC | organic carbon |
| PCT | Patent Co-operation Treaty |
| SEM | Scanning Electron Microscope |
| SS | suspended solids |
| SVI | sludge volume index |
| TG | thermal gravimetry |
| TOC | total organic carbon |
| total-P | total phosphorous |
| Total-P | total phosphorous |
| UBOD | ultimate carbonaceous BOD |
| WW | wastewater |
| WWT | wastewater treatment |
| WWTP | wastewater treatment plant |
| WWTT | wastewater treatment technology |
| XRD | X-Ray powder Diffraction |
| ZeoRap [®] | registered trademark of CAPMZ |