

Figure 2. SDS electrophoresis (10% acrylamide) of polypeptides extracted from mycelium of *Phanerochaete chrysosporium* 7-day-old grown on media with different concentration of CoFeO<sub>4</sub> nanoparticles (Sigma Wide Range = Molecular weight standards indicated by number on the left of the gel/KDa)

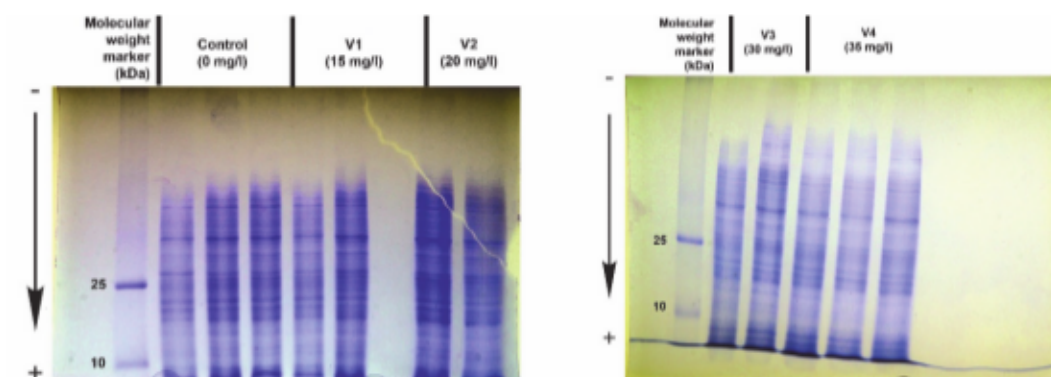


Figure 3. SDS electrophoresis (10% acrylamide) of polypeptides extracted from mycelium of *Phanerochaete chrysosporium* 14-day-old grown on media with different concentration of CoFeO<sub>4</sub> nanoparticles (Sigma Wide Range = Molecular weight standards indicated by number on the left of the gel/KDa)

## CONCLUSIONS

The comparative analysis of soluble protein pattern from *P. chrysosporium* revealed the presence of common polypeptides both in control and variants with CoFeO<sub>4</sub> nanoparticles however, varying by color intensity as well as the bands dimension at 14-day-old mycelium comparatively with 7-day-old mycelium.

## REFERENCES

Abbas, A., Koc, H., Liu F., Tien, M., (2005): *Fungal degradation of wood: initial proteomic analysis of extracellular proteins of Phanerochaete chrysosporium grown on oak substrate*. Curr Genet, 47(1):49-56.