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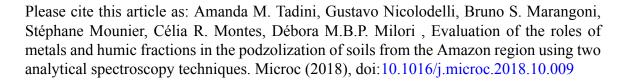
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## ACCEPTED MANUSCRIPT

# Evaluation of the roles of metals and humic fractions in the podzolization of soils from the Amazon region using two analytical spectroscopy techniques

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