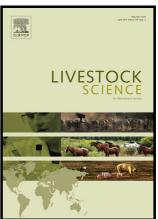
## Author's Accepted Manuscript

Microalgae as feed ingredients for livestock production and meat quality: a review

Marta S. Madeira, Carlos Cardoso, Paula A. Lopes, Diogo Coelho, Cláudia Afonso, Narcisa M. Bandarra, José A.M. Prates



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### **ACCEPTED MANUSCRIPT**

Microalgae as feed ingredients for livestock production and meat quality: a review

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#### **ABSTRACT**

Microalgae, small-sized algae, have been studied as a natural marine resource for a number of economically relevant applications, including animal feed. In this review, we unveil the dietary microalgae effects currently known on production and meat quality of livestock species (ruminants, pigs, poultry and rabbits). Microalgae are classified into diatoms (*Bacillariophyceae*), green algae (*Chlorophyceae*), golden algae (*Chrysophyceae*) and blue-green algae cyanobacteria (*Cyanophyceae*). The most important phototrophic species belong to *Arthrospira*, *Chlorella*, *Dunaliella* and *Haematocussus* genus. In addition, heterotrophic marine organisms, such as

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