

Letter to the Editor

Dear editor,

Divergences are apparent in relation to climate change and mycotoxins in Magan *et al.* (2011) and Paterson & Lima (2010) which require clarification. Magan *et al.* (2011) claimed Paterson & Lima (2010) contained omissions regarding the effects of CO₂, temperature and water availability, although Magan *et al.* (2011) appeared to ignore the discussion about these issues. Magan *et al.* (2011) did offer a more thorough discussion from *in vitro* perspectives and, overall, there were differences in emphases: they discussed the effects of CO₂ on the isolated fungi in depth, despite the high concentrations employed in the studies. Furthermore, Paterson & Lima (2010) assessed fungicide application models and the effects of fungicides on mycotoxin production. The use of molecular biology for (i) studying the effect of historical climate change, (ii) monitoring climate change effects on

fungi, (iii) analysing mycotoxin metabolic pathways and (iv) gene microarray analysis were reviewed or mentioned. To conclude, the issues were addressed in Paterson & Lima (2010) with different stresses to Magan *et al.* (2011).

Yours sincerely,
Russell Paterson

References

- Magan N, Medina A, Aldred D, 2011. Possible climate-change effects on mycotoxin contamination of food crops pre- and postharvest. *Plant Pathology* **60**, 150–63.
- Paterson RRM, Lima N, 2010. How will climate change affect mycotoxins in food? *Food Research International* **43**, 1902–14.