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Journal of International Environmental Application & Science

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- Dursun S., Ineson P., Frankland J.C., Boddy L. (1993). Sulphite and pH effects on CO₂ evolution from decomposing angiospermous and coniferous tree leaf litters. *Soil Biology & Biochemistry* **25**, 1513-1525.
- Ergas S.J., Schroeder E., Chang D., Scow K, (1994) Spatial distributions of microbial populations in biofilters. In: *Proceedings of the 78th Annual Meeting and Exhibition of the Air and Waste Management Association*, pp. 19-24, Cincinnati, OH,.
- Hickey M., King C., (1988) 100 *Families of Flowering Plants*. Cambridge University Press, Cambridge.
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