

Bibliografía

- Abril, A. B., P. A. Torres, & E. H. Bucher.** 2005. The importance of phyllosphere microbial populations in nitrogen cycling in the Chaco semiarid woodland. *Journal of Tropical Ecology*. 21: 1-5.
- Adl, SM.** 2003. The ecology of soil decomposition. CABI Publishing, Wallingford, UK. 335 pp.
- Aerts, R.** 1997. Climate, leaf litter chemistry and leaf litter decomposition in terrestrial ecosystems: a triangular relationship. *Oikos* 79: 439-449.
- Aerts, R., & F. S. Chapin III.** 2000. The mineral nutrition of wild plants revisited: a re-evaluation of processes and patterns. *Advances in Ecological Research* 30: 1-67.
- Aerts, R., & H. De Caluwe.** 1997. Nutritional and plant-mediated controls on leaf litter decomposition of *Carex* species. *Ecology* 78(1): 244-260.
- Ajwa, H. A., & M. A. Tabatabai.** 1994. Decomposition of different organic materials in soils. *Biology and Fertility of Soils* 18: 175-182.
- Alexander, M.** 1980. Introducción a la microbiología del suelo. AGT Eds., 491 pp.
- Alhamd, L, S. Arakaki, & A. Hagihara.** 2004. Decomposition in leaf litter of four tree species in a subtropical evergreen broad-leaved forest, Okinawa Island, Japan. *Forest Ecology & Management* 202: 1-11.
- Alvarez E., M. L. Fernández Marcos, V. Torrado, & M. J. Fernandez Sanjurjo.** 2008. Dynamics of macronutrients during the first stages of litter decomposition from forest species in a temperate area (Galicia, NW Spain). *Nutrient Cycling in Agroecosystems* 80: 243–256.
- Arianoutsou, M.** 1993. Leaf litter decomposition and nutrient release in a maquis (evergreen sclerophyllous) ecosystem of Nort-Eastern Greece. *Pedobiologia* 37: 65-71.

Attiwill, P. M. 1968. The loss of elements from decomposing litter. *Ecology* 49 (1): 142-145.

Austin, A. T. & L. Vivanco. 2006. Plant litter decomposition in a semi-arid ecosystem controlled by photodegradation. *Nature* 442: 555-558.

Ayres, E., K. M. Dromph, & R. D. Bardgett. 2006. Do plants species encourage soil biota that specialise in the rapid decomposition of their litter?. *Soil Biology & Biochemistry* 38: 183-186.

Baddeley, M. S. 1971. Biochemical aspects of senescence. In: *Ecology of leaf surface microorganisms*. Preece, T. F., and C. H. Dickinson (Eds.). Academic Press, London. pp.415-429.

Barrera, M. D., J. L. Frangi, J. J. Ferrando, & J. F. Goya. 2004. Descomposición del mantillo y liberación foliar neta de nutrientes de *Austrocedrus chilensis* (D. Don) Pic. Serm. Et Bizarri en El Bolsón, Río Negro. *Ecología Austral* 14: 99-112.

Berendse, F. 1994. Litter descomposability- a neglected component of plant fitness. *Journal of Ecology* 82: 187-190.

Berendse, F., B. Berg, & E. Bosatta. 1987. The effect of lignin and nitrogen on the descomposition of litter in nutrient-poor ecosystems: A theoretical approach. *Canadian Journal of Botany* 65: 1116-1120.

Berg, B. 2000. Litter decomposition and organic matter turnover in northern forest soils. *Forest Ecology and Management* 133: 13-22.

Berg, B., & J. Cortina. 1995. Nutrient dynamics in some decomposing leaf and needle litter types in a *Pinus sylvestris* Forest. *Scandinavian Journal of Forest Research* 10: 1-11.

Berg, B., & G. Ekbohm. 1991. Litter mass-loss rates and decomposition patterns in some needle and leaf litter types. Long term decomposition in a Scots pine forest. *Canadian Journal of Botany* 69: 1449-1456.

- Berg, B., & H. Staaf.** 1981. Leaching, accumulation and release of nitrogen in decomposing forest litter. Ecological Bulletin 33: 163-178.
- Bernhard-Reversat, F.** 1998. Changes in relationships between initial litter quality and CO₂ release during early laboratory decomposition of tropical leaf litters. European Journal of Soil Biology 34 (3): 117-122.
- Bertiller, M. B., & A. J. Bisigato.** 1998. Vegetation dynamics under grazing disturbance. The state- and transition model for the Patagonian steppes. Ecología Austral 8: 191-199.
- Blair, J. M.** 1988. Nutrient release from decomposing foliar litter of three species with special reference to calcium, magnesium and potassium dynamics. Plant and Soil 110: 49-55.
- Bocock, K. L., & O. J. Gilbert.** 1957. The disappearance of leaf litter under different woodland conditions. Plant and Soil 9: 179-185.
- Bóo, R. M., & D. V. Peláez.** 1991. Ordenamiento y clasificación de la vegetación en un área del sur del distrito del Caldenal. Boletín de la Sociedad Argentina de Botánica 27: 135-141.
- Bóo, R. M., D. V. Peláez, S. C. Bunting, M. D. Mayor, & O. R. Elía.** 1997. Effect of fire on woody species in central semi-arid Argentina. Journal of Arid Environments 35: 87-94.
- Box, G. E. P., & D. R. Cox.** 1964. An analysis of transformations. Journal of the Royal Statistical Society Series B 26: 211–252.
- Busso, C. A.** 1997. Towards an increased and sustainable production in semi-arid rangelands of central Argentina: Two decades of research. Journal of Arid Environments 36: 197-210.
- Busso, C. A., O. A. Fernández, & D. E. Fresnillo Fedorenko.** 1998. Dry weight production and partitioning in *Medicago minima* and *Erodium cicutarium* under water stress. Annals of Botany 82: 217-227.

Cabrera, A. L. 1976. Regiones Fitogeográficas Argentinas. En: Enciclopedia Argentina de Agricultura y Jardinería (Tomo II). ACME, Buenos Aires.

Carrera, A. L., D. N. Vargas, M. V. Campanella, M. B. Bertiller, C. L. Sain, & M. J. Mazzarino. 2005. Soil nitrogen in relation to quality and decomposability of plant litter in the Patagonian Monte, Argentina. *Plant Ecology* 181: 139-151.

Chapin III, F. S. 1991. Effects of multiple environmental stresses on nutrient availability and use. En: Response of plants to multiple stresses. Mooney, H. A., W. E. Winner, and E. J. Pell. (Eds.) Academic Press, San Diego. pp. 67-88.

Chapin III, F. S. 1993. Functional role of growth forms in ecosystem and global processes. In: Scaling physiological processes: Leaf to globe. Ehleringer, J. R. & C. B. Field (Eds.) Academic Press, San Diego. pp.287-312.

Coley, P. D., J. P. Bryant, & F. S. Chapin III. 1985. Resource availability and plant antiherbivore defense. *Science* 230 (4728): 895-899.

Colpaert, J. V., & K. K. van Tichelen. 1996. Decomposition, nitrogen and phosphorus mineralization from beech leaf litter colonized by ectomycorrhizal or litter-decomposing Basidiomycetes. *New Phytologist* 134 (1): 123-132.

Cornelissen, J. H. C. 1996. An experimental comparison of leaf descomposition rates in a wide range of temperate plant species and types. *Journal of Ecology* 84: 573-582.

Cornelissen, J. H. C., N. Pérez-Harguindeguy, S. Díaz, J. P. Grime, B. Marzano, M. Cabido, F. Vendramini, & B. Cerabolini. 1999. Leaf structure and defence control litter decomposition rate across species and life forms in regional floras on two continents. *New Phytologist* 143: 191-200.

Coûteaux, M. M., P. Bottner, & B. Berg. 1995. Litter decomposition, climate and litter quality. *Trends in Ecology and Evolution* 10: 63-66.

Dilly, O., & J. C. Munch. 1996. Microbial biomass content, basal respiration and enzyme activities during the course of decomposition of leaf litter in a black alder

(*Alnus glutinosa* (L.) Gaertn.) forest. *Soil Biology & Biochemistry* 28 (8): 1073-1081.

Distel, R., & R. Bóo. 1995. Vegetation states and transitions in temperate semiarid rangelands of Argentina. Proceedings of the Fifth International Rangeland Congress. Salt Lake City, Utah, U. S. A. July 23-38, 1995, 117-118.

Distel, R., D. V. Peláez, R. M. Bóo, M. D. Mayor, & O. R. Elía. 1996. Growth of *Prosopis caldenia* seedlings in the field as related to grazing history of the site and in a greenhouse as related to different levels of competition from *Stipa tenuis*. *Journal of Arid Environments* 32: 251-257.

Dutta, R. K., & M. Agrawal. 2001. Litterfall, litter decomposition and nutrient release in five exotic plant species planted on coal mine spoils. *Pedobiologia* 45: 298-312.

Ehrenfeld, J. G. 2003. Effects of exotic plant invasions on soil nutrient cycling processes. *Ecosystems* 6: 503-523.

Fernández, O. A. 2003. Los pastizales naturales del Caldenal. *Anales de la Academia Nacional de Agronomía y Veterinaria* 57: 67-92.

Fernández, O. A., R. M. Bóo, & L. F. Sánchez. 1989. South American Shrublands. In: The Biology and Utilization of Shrubs. McKell, C. M. (Ed.). Academic Press, Inc. San Diego, California, USA. pp. 25-59.

Fernández, O. A., & C. A. Busso. 1999. Arid and semi-arid rangelands: two thirds of Argentina. In: Case Studies of Rangeland Desertification. Proceedings from an International Workshop in Iceland. Rala Report 200. Arnalds, O. & Archer, S. (Eds.). Agricultural Research Institute, Keldnaholti, Reykjavik, Iceland. pp. 11-60.

Fioretto, A., S. Papa, & A. Fuggi. 2003. Litter-fall and litter decomposition in a low Mediterranean shrubland. *Biology and Fertility of Soils* 39: 37-44.

Fioretto, A., S. Papa, A. Pellegrino, & A. Fuggi. 2007. Decomposition dynamics of *Myrtus communis* and *Quercus ilex* leaf litter: Mass loss, microbial activity and quality change. *Applied Soil Ecology* 36 (1): 32-40.

- Fox, R. H., R. J. K. Myers, & I. Vallis.** 1990. The nitrogen mineralization rate of legume residues in soil as influenced by their polyphenol, lignin, and nitrogen contents. *Plant and Soil* 129: 251-259.
- Franzluebbers, K., R. W. Weaver, A. S. R. Juo, & A. J. Franzluebbers.** 1995. Mineralisation of carbon and nitrogen from cowpea leaves decomposing in soils with different levels of microbial biomass. *Biology and Fertility of Soils* 19: 100-102.
- Fresnillo Fedorenko, D. E.** 1990. Estrategias ecológicas de *Medicago minima* (L.) Grufb. var. *minima* y *Erodium cicutarium* (L.) L'Herit., dos anuales de valor forrajero en el Caldenal. Tesis para optar por el grado de Magister en Prod. Vegetal. Univ. Nac. del Sur. 132 pp.
- Fresnillo Fedorenko, D. E., O. A. Fernández, & C. A. Busso.** 1992. Seasonal dynamics of root growth and descomposition in *Medicago minima* and *Erodium cicutarium*, two annual forages in semiarid Argentina. *Acta Oecologica* 13: 119-126.
- Fresnillo Fedorenko, D. E., O. A. Fernández, & C. A. Busso.** 1995. The effect of water stress on top and root growth in *Medicago minima*. *Journal of Arid Environments* 29: 47-54.
- Gallardo, A., & J. Merino.** 1992. Nitrogen immobilization in leaf litter at two Mediterranean ecosystems of SW Spain. *Biogeochemistry* 15: 213-228.
- Gallo M. E., A. Porras-Alfaro, K. J. Odenbach, R. L. Sinsabaugh.** 2009. Photoacceleration of plant litter decomposition in an arid environment. *Soil Biology & Biochemistry* 41: 1433–1441.
- Goering, H. K., & P. J. Van Soest.** 1970. Forage fiber analyses (apparatus, reagents, procedures, and some applications). *Agric. Handbook* 379. ARS, USDA, Washington, DC.
- Grime, J. P., J. H. C. Cornelissen, K. Thompson, & J. G. Hodgson.** 1996. Evidence of a causal connection between anti-herbivore defence and the descomposition rate of leaves. *Oikos* 77: 489-494.

- Guo, L. B., & R. E. H. Sims.** 2001. Eucalypt litter decomposition and nutrient release under a short rotation forest regime and effluent irrigation treatments in New Zealand I. External effects. *Soil Biology & Biochemistry* 33: 1381-1388.
- Hättenschwiler, S., A. V. Tiunov, & S. Scheu.** 2005. Biodiversity and litter decomposition in terrestrial ecosystems. *Annual Review of Ecology, Evolution and Systematics* 36: 191-218.
- Hobbie, S. E.** 1992. Effects of plant species on nutrient cycling. *Trends in Ecology and Evolution* 7: 336-339.
- Holland, E. A., & D. C. Coleman.** 1987. Litter placement effects on microbial and organic matter dynamics in an agroecosystem. *Ecology* 68 (2): 425-433.
- Hoorens, B., R. Aerts, & M. Stroetenga.** 2003. Does initial litter chemistry explain litter mixture effects on decomposition?. *Oecologia* 442: 578-586.
- Howard P. J. A., & D. M. Howard.** 1974. Microbial decomposition of tree and shrub leaf litter. I. Weight loss and chemical composition of decomposing litter. *Oikos* 25: 341-352.
- INTA, Provincia de La Pampa y Universidad Nacional de La Pampa.** 1980. *Inventario Integrado de los Recursos Naturales de la Provincia de La Pampa.* 493 pp.
- Jiang, L.** 2007. Negative selection effects suppress relationships between bacterial diversity and ecosystem functioning. *Ecology* 88: 1075-1085.
- Kavvadias, V. A., D. Alifragis, A. Tsiontsis, G. Brofas, & G. Stamatelos.** 2001. Litterfall, litter accumulation and litter decomposition rates in four forest ecosystems in northern Greece. *Forest Ecology and Management* 144: 113-127.
- King, J. A., & R. Harrison.** 2002. Measuring soil respiration in the field: an automated closed chamber system compared with portable IRGA and alkali absorption methods. *Communications in Soil Science and Plant Analysis* 33 (3&4): 403-423.

- Kirk, T. K., & R. L. Farrel.** 1987. Enzymatic combustion: the microbial degradation of lignin. Annual Review of Microbiology 41: 465-505.
- Klich, M. G.** 2005. Estrategias ecológicas de *Elaeagnus angustifolia* (Olivo de Bohemia) en el Valle Medio del Río Negro (Patagonia, Argentina). Tesis para optar por el grado de Doctor en Agronomía. Univ. Nac. del Sur. 212 pp.
- Koukoura, Z., A. P. Mamolos, & K. L. Kalburgtji.** 2003. Decomposition of dominant plant species litter in a semi-arid grassland. Applied Soil Ecology 23: 13-23.
- Kubartová, A., J. Ranger, J. Berthelin, & T. Beguiristain.** 2009. Diversity and decomposing ability of saprophytic fungi from temperate forest litter. Microbial Ecology 58: 98-107.
- Laskowski, R., M. Niklinska, & M. Maryanski.** 1995. The dynamics of chemical elements in forest litter. Ecology 76 (5): 1393-1406.
- Lefroy, R. D., Y. Konboon, & G. J. Blair.** 1995. An *in vitro* perfusion method to estimate rates of plant residue breakdown and associated nutrient release. Australian Journal of Agricultural Research 46: 1467-1476.
- Lemma, B., I. Nilsson, D. B. Kleja, M. Olsson, & H. Knicker.** 2007. Decomposition and substrate quality of leaf litters and fine roots from three exotic plantations and a native forest in the southwestern highlands of Ethiopia. Soil Biology & Biochemistry 39: 2317-2328.
- Li, Z., S. Peng, D. J. Rae, & G. Zhou.** 2001. Litter decomposition and nitrogen mineralization of soils in subtropical plantation forests of southern China, with special attention to comparisons between legumes and non-legumes. Plant and Soil 229: 105-116.
- Liu, P., J. Huang, X. Han, & O. J. Sun.** 2009. Litter decomposition in semiarid grassland of Inner Mongolia, China. Rangeland Ecology and Management 62: 305-313.
- Lyon, C. K., M. R. Gumbmann, & R. Becker.** 1988. Value of mesquite leaves as forage. Journal of the Science of Food and Agriculture. 44: 111-117

- Mashhadi, H. R., & S. R. Radosevich.** 2004. Invasive plants. En: Weed biology and Management. Inderjit. (Ed.) Kluwer Academic Publishers, pp.1-28.
- Mazzarino, M. J., M. Bertiller, T. Schlichter, & M. Gobbi.** 1998. Nutrient cycling in Patagonian ecosystems. *Ecología Austral* 8: 167-181.
- McClaugherthy, C., & B. Berg.** 1987. Cellulose, lignin and nitrogen concentrations as rate regulating factors in late stages of forest litter decomposition. *Pedobiologia* 30: 101-112.
- McNaughton, S. J.** 1988. Mineral nutrition and spatial distribution of African ungulates. *Nature* 334: 343-345.
- Melillo, J. M., J. D. Aber, & J. M. Muratore.** 1982. Nitrogen and lignin control of hardwood leaf litter decomposition dynamics. *Ecology* 63: 621-626.
- Mfilinge, P. L., N. Atta, & M. Tsuchiya.** 2002. Nutrient dynamics and leaf litter decomposition in a subtropical mangrove forest at Oura Bay, Okinawa, Japan. *Trees* 16: 172-180.
- Moretto, A. S., R. A. Distel, & N. G. Didoné.** 2001. Decomposition and nutrient dynamic of leaf litter and roots from palatable and unpalatable grasses in a semi-arid grassland. *Applied Soil Ecology* 18: 31-37.
- Moretto, A. S., & R. A. Distel.** 2003. Decomposition of and nutrient dynamics in leaf litter and roots of *Poa ligularis* and *Stipa gynerioides*. *Journal of Arid Environments* 55: 503-514.
- Moro, M. J., & F. Domingo.** 2000. Litter decomposition in four woody species in a Mediterranean climate: Weight loss, N and P dynamics. *Annals of Botany* 86: 1065-1071.
- Noe, L., & A. Abril.** 2008. Interacción entre calidad de restos vegetales, descomposición y fertilidad del suelo en el desierto del Monte de Argentina. *Ecología Austral* 18:181-193.

- Norby, R. J., M. F. Cotrufo, P. Ineson, E. G. O'Neill, & J. G. Canadell.** 2001. Elevated CO₂, litter chemistry, and decomposition: a synthesis. *Oecologia* 127: 153-165.
- Nyamai, D. O.** 1992. Investigations on decomposition of foliage of woody species using a perfusion method. *Plant and Soil* 139: 239-245.
- Osono, T., & H. Takeda.** 2001. Organic chemical and nutrient dynamics in decomposing beech leaf litter in relation to fungal ingrowth and succession during 3-year decomposition processes in a cool temperate deciduous forest. *Ecological Research* 16: 649-670.
- Palm, C. A., & P. A. Sánchez.** 1991. Nitrogen release from the leaves of some tropical legumes as affected by their lignin and polyphenolic contents. *Soil Biology and Biochemistry* 23: 83-88.
- Parnas, H.** 1975. Model for decomposition of organic material by microorganisms. *Soil Biology & Biochemistry* 7: 161-169.
- Parton, W., W. L. Silver, I. C. Burke, L. Grassens, M. E. Harmon, W. S. Currie, J. Y. King, E. C. Adair, L. A. Brandt, S. C. Hart, & B. Fasth.** 2007. Global-scale similarities in nitrogen release patterns during long-term decomposition. *Science* 315 (5810): 361-364.
- Paul, K.** 2001. Temperature and moisture effects on decomposition. NEE Workshop Proceedings, 18-20 April 2001: 95-102.
- Paul, E. A., & F. E. Clark.** 1989. Soil microbiology and biochemistry. Academic Press. San Diego.
- Peláez, D. V.** 1987. Análisis de algunos factores ambientales y morfológicos y su relación con la aplicación de herbicidas en cinco especies arbustivas del Distrito Fitogeográfico del Caldén. Tesis de Magister. Bahía Blanca, Univ. Nac. del Sur, Argentina. 127 pp.

- Peláez, D. V., R. M. Bóo, & O. A. Elía.** 1992a. Emergence and seedling survival of Calden in the semiarid region of Argentina. *Journal of Range Management* 45: 564-568.
- Peláez, D. V., R. M. Bóo, & O. A. Elía.** 1992b. Interacciones competitivas entre *Piptochaetium napostaense* (Speg.) Hackel y *Stipa tenuis* Phil. con plántulas de *Prosopis caldenia* Burk. *Revista Argentina de Producción Animal* 12(3): 253-258.
- Peláez, D. V., R. A. Distel, R. M. Bóo, O. Elía, & M. Mayor.** 1994. Water relations between shrubs and grasses in semi-arid Argentina. *Journal of Arid Environments* 27: 71-78.
- Pérez Harguindeguy, N., S. Díaz, J. H. C. Cornelissen, & M. Cabido.** 1997. Comparación experimental de la tasa de descomposición foliar de especies vegetales del centro-oeste de Argentina. *Ecología Austral* 7: 87-94.
- Pisani, J. M.** 1998. Producción de fenoles y espinas en *Prosopis caldenia* Burk. y *Prosopis flexuosa* DC y su relación con la preferencia de la cabra. Tesis para optar por el grado de Magister en Prod. Vegetal. Univ. Nac. del Sur. 78 pp.
- Pitchairamu, C., S. Venkatesan, & K. Muthuchelian.** 2008. Litter fungi diversity in Piranmalai Forest, Eastern Ghats, Tamilnadu, India. *Ethnobotanical Leaflets* 12: 750-57.
- Potthoff M., J. Dyckmans, H. Flessa, A. Muhs, F. Beese, & R. G. Joergensen.** 2005. Dynamics of maize (*Zea mays* L.) leaf straw mineralization as affected by the presence of soil and the availability of nitrogen. *Soil Biology and Biochemistry* 37 (7):1259-1266.
- Reynolds, B. C., & M. D. Hunter.** 2001. Responses of soil respiration, soil nutrients, and litter decomposition to inputs from canopy herbivores. *Soil Biology & Biochemistry* 33: 1641-1652.
- Ribeiro, C., M. Madeira, & M. C. Araújo.** 2002. Decomposition and nutrient release from leaf litter of *Eucalyptus globulus* grown under different water and nutrient regimes. *Forest Ecology and Management* 171: 31-41.

- Robertson, G. P., & E. A. Paul.** 2000. Decomposition and soil organic matter dynamics. In: Methods in Ecosystem Science. Osvaldo, E. A. *et al.* (Eds.) Springer Verlag, New York, USA. pp.104-116.
- Rogers, H. M.** 2002. Litterfall, decomposition and nutrient release in a lowland tropical rain forest, Morobe Province, Papua New Guinea. *Journal of Tropical Ecology* 18: 449-456.
- Sadaka, N., & J. F. Ponge.** 2003. Fungal colonization of phyllosphere and litter of *Quercus rotundifolia* Lam. in a holm oak forest (High Atlas, Morocco). *Biology and Fertility of Soils* 39: 30-36.
- Salamanca, E. F., N. Kaneko, & S. Katagiri.** 1998a. Nutrient dynamics in decomposing forest leaf litter: a comparison of field and laboratory microcosm approach. *Journal of Forest Research* 3: 91-98.
- Salamanca, E. F., N. Kaneko, & S. Katagiri.** 1998b. Effects of leaf litter mixtures on the decomposition of *Quercus serrata* and *Pinus densiflora* using field and laboratory microcosm methods. *Ecological Engineering* 10: 53-73.
- Salamanca, E. F., N. Kaneko, S. Katagiri, & Y. Nagayama.** 1998c. Nutrient dynamics and lignocellulose degradation in decomposing *Quercus serrata* leaf litter. *Ecological Research* 13: 199-210.
- Salerno, C. M., M. C. Montero, & M. A. Sagardoy.** 1997. Dinámica de las bacterias de la filosfera y hojarasca de soja (*Glycine max* L. Merrill) en condiciones de campo. *Revista Argentina de Microbiología* 29: 122-130.
- Sall, S. N., D. Masse, F. Bernhard-Reversat, A. Guisse, & J. L. Chotte.** 2003. Microbial activities during the early stage of laboratory decomposition of tropical leaf litters: the effect of interactions between litter quality and exogenous inorganic litter. *Biology and Fertility of Soils* 39: 103-111.
- Santa Regina, I.** 2001. Litter fall, decomposition and nutrient release in three semi-arid forests of the Duero basin, Spain. *Forestry* 74: 347-358.

- Schlesinger, W. H., & M. M. Hasey.** 1981. Decomposition of chaparral shrub foliage: losses of organic and inorganic constituents from deciduous and evergreen leaves. *Ecology* 62: 762-774.
- Scott, N. A., & D. Binkley.** 1997. Foliage litter quality and annual net N mineralization: comparison across North American forest sites. *Oecologia* 111: 151-159.
- Semwal, R. L., R. K. Maikhuri, K. S. Sao, K. K. Sen, & K. G. Saxena.** 2003. Leaf litter decomposition and nutrient release patterns of six multipurpose tree species of central Himalaya, India. *Biomass & Bioenergy* 24: 3-11.
- Seneviratne, G.** 2000. Litter quality and nitrogen release in a tropical agriculture: a synthesis. *Biology and Fertility of Soils* 31: 60-64.
- Senthilkumar, K., K. Udayan, & S. Manian.** 1993. Successional pattern of mycoflora associated with litter degradation in a *Cymbopogon caesius*-dominated tropical grassland. *Tropical Grasslands*. 27: 121-127.
- Sinsabaugh, R. L., D. L. Moorhead, & A. E. Linkins.** 1994. The enzymatic basis of plant litter decomposition: emergence of an ecological process. *Applied Soil Ecology*. 1: 97-111.
- Staaf, H., & B. Berg.** 1982. Accumulation and release of plant nutrients in decomposing Scots pine litter. *Canadian Journal of Botany* 60: 1561-1568.
- Strickland, M. S., C. Lauber, N. Fierer, & M. A. Bradford.** 2009. Testing the functional significance of microbial community composition. *Ecology* 90(2): 441–451.
- Swift, M. J., A. Russell-Smith, & T. J. Perfect.** 1981. Decomposition and mineral-nutrient dynamics of plant litter in a regenerating bush-fallow in sub-humid tropical Nigeria. *Journal of Ecology* 69: 981-995.
- Tester, C. F.** 1988. Role of soil and residue microorganisms in determining the extent of residue decomposition in soil. *Soil Biology & Biochemistry* 20 (6): 915-919.

- Tian, G., B. T. Kang, & L. Brussaard.** 1992. Biological effects of plant residues with contrasting chemical compositions under humid tropical conditions – Decomposition and nutrient release. *Soil Biology & Biochemistry* 24 (10): 1051-1060.
- Torres, P. A., A. B. Abril, & E. H. Bucher.** 2005. Microbial succession in litter decomposition in the semi-arid Chaco woodland. *Soil Biology & Biochemistry* 37(2005): 49-54.
- Ukonmaanaho, L., & M. Starr.** 2001. The importance of leaching from litter collected in litterfall traps . *Environmental Monitoring and Assessment* 66: 129-146.
- van Breemen, N.** 1995. Nutrient cycling strategies. *Plant and Soil* 168-169: 321-326.
- Vallati, A. R.** 1995. Dinámica de los nutrientes minerales de un pastizal del Caldenal. Tesis para optar por el grado de Magister en Prod. Vegetal. Univ. Nac. del Sur. 193 pp.
- Vargas, D. N., M. B. Bertiller, J. O. Ares, A. L. Carrera, & C. L. Sain.** 2006. Soil C and N dynamics induced by leaf-litter decomposition of shrubs and perennial grasses of the Patagonian Monte. *Soil Biology & Biochemistry* 38: 2401-2410.
- Villegas-Pangga, G., G. J. Blair, & R. D. Lefroy.** 2000a. Measurement of decomposition and associated nutrient release from barrel medic (*Medicago truncatula*) hay and chickpea (*Cicer arietinum*) straw using an in vitro perfusion system. *Australian Journal of Agricultural Research* 51: 563-568.
- Villegas-Pangga, G., G. J. Blair, & R. D. Lefroy.** 2000b. Measurement of decomposition and associated nutrient release from straw (*Oryza sativa* L.) of different rice varieties using a perfusion system. *Plant and Soil*. 223: 1-11.
- Vitousek, P. M.** 1990. Biological invasions and ecosystem processes: towards an integration of population biology and ecosystem studies. *Oikos* 57: 7-13.
- Vitousek, P. M., & S. Hobbie.** 2000. Heterotrophic nitrogen fixation in decomposing litter: patterns and regulation. *Ecology* 81 (9): 2366-2376.

Wedin D. A., & D. Tilman. 1990. Species effects on nitrogen cycling – a test with perennial grasses. *Oecologia* 84: 433-441.

Wieder R. K., & G. E. Lang. 1982. A critique of the analytical methods in examining decomposition data obtained from litter bags. *Ecology* 63 (6): 1636-1642.

Wrubleski, D. A., H. R. Murkin, A. G. van der Valk, & C. B. Davis. 1997. Decomposition of litter of three mudflat annual species in a northern prairie marsh during drawdown. *Plant Ecology* 129: 141-148.