

# Appendix A. Abbreviations for References

**Abbreviated journal titles.** Note that a single-word title is not abbreviated and does not end in a period.

AAPG Bull.  
Acta Agric. Scand.  
Acta Chem. Scand.  
Acta Chem. Scand., Ser. A  
Acta Chem. Scand., Ser. B  
Acta Crystallogr.  
Acta Hort. Scand.  
Adv. Agron.  
Adv. Appl. Microbiol.  
Adv. Ecol. Res.  
Adv. Front. Plant Sci.  
Adv. Genet.  
Adv. Lipid Res.  
Adv. Microb. Ecol.  
Adv. Soil Sci.  
Adv. Water Resour.  
Agric. Admin. Ext.  
Agric. Biol. Chem.  
Agric. Econ. Res.  
Agric. Econ. Tech. Bull.  
Agric. Ecosyst. Environ.  
Agric. Eng.  
Agric. Environ.  
Agric. Food Chem.  
Agric. Food Sci.  
Agric. For. Meteorol.  
Agric. Hist.  
Agric. Human Values  
Agric. Meteorol.  
Agric. Rev.  
Agric. Sci.  
Agric. Syst.  
Agric. Tec. (Santiago)  
Agric. Tec. Mexico  
Agric. Venezia  
Agro-Ecosystems  
Agrochem. Soil Sci.  
Agrochemophysica  
Agrochimica  
Agron. J.  
Agron. Soc. N. Z. Annu. Rep.  
Agronomie (Paris)  
Agroplantae  
AICHE J.  
AICHE  
Alexandria J. Agric. Res.  
Allg. Forst. Jagdzgt.  
Am. Assoc. Pet. Geol. Bull. *see* AAPG Bull.  
Am. Econ. Rev.  
Am. J. Agric. Econ.  
Am. J. Bot.  
Am. J. Clin. Nutr.  
Am. J. Enol. Vitic.  
Am. J. Sci.  
Am. J. Vet. Res.  
Am. Lab.  
Am. Midl. Nat.  
Am. Mineral.  
Am. Nat.  
Am. Oil Chemists' Soc. Monogr.  
Am. Soc. Surf. Min. Reclam.  
Am. Soc. Test. Mater.  
Am. Stat.  
Anal. Biochem.  
Anal. Chem.  
Anal. Chim. Acta  
Anal. Lett.  
Anal. Methods Pestic. Plant Growth Regul.  
Analyst (Amsterdam)  
Analyst (Cambridge)  
Angew. Bot.  
Anim. Feed Sci. Technol.  
Anim. Prod.  
Ann. Agric. Fenn.  
Ann. Agron.  
Ann. Amelior. Plant.  
Ann. Appl. Biol.  
Ann. Arid Zone  
Ann. Bot. (London) [*okay to add N.S. (new series) from 1936*]  
Ann. Geophys.  
Ann. Inst. Stat. Math.  
Ann. Math. Stat. (*sic: Annals*)  
Ann. Microbiol. (Milan)  
Ann. Microbiol. (Paris)  
Ann. N.Y. Acad. Sci.  
Ann. R. Agric. Coll. Swed.  
Ann. Sci. For.  
Annu. Rep. NMR Spectrosc.  
Annu. Rev. Biochem.  
Annu. Rev. Cell Biol.  
Annu. Rev. Ecol. Syst.  
Annu. Rev. Entomol.  
Annu. Rev. Microbiol.  
Annu. Rev. Phys. Chem.  
Annu. Rev. Phytopathol.  
Annu. Rev. Plant Physiol.  
Antonie van Leeuwenhoek  
Appl. Environ. Microbiol.  
Appl. Geochem.

Appl. Magn. Reson.  
 Appl. Microbiol.  
 Appl. Microbiol. Biotechnol.  
 Appl. Phys. (Berlin)  
 Appl. Phys. A  
 Appl. Phys. B  
 Appl. Phys. Lett.  
 Appl. Spectrosc.  
 Arch. Biochem. Biophys.  
 Arch. Environ. Contam. Toxicol.  
 Arch. Exp. Pathol. Pharmacol.  
 Arch. Forstwes.  
 Arct. Alp. Res.  
 Arid Zone Res.  
 Arkansas Farm. Res.  
 ASAE Publ.  
 ASTM Spec. Tech. Publ.  
 At. Spectrosc.  
 Atmos. Environ.  
 Atmos. Ocean  
 Aust J. Exp. Agric. Anim. Husb.  
 Aust. J. Agric. Res.  
 Aust. J. Biol. Sci.  
 Aust. J. Bot.  
 Aust. J. Chem.  
 Aust. J. Plant Physiol.  
 Aust. J. Sci. Res. Ser. B  
 Aust. J. Soil Res.  
 Aust. Vet. J.  
  
 Beitr. Tabakforsch.  
 Ber. Dtsch. Chem. Ges.  
 Better Crops Plant Food  
 Bio/Technology  
 Biochem. J.  
 Biochem. Physiol. Pflanz.  
 Biochem. Syst. Ecol.  
 Biochemistry  
 Biochim. Biophys. Acta  
 Biochimie  
 Biodegradation  
 Biol. Agric. Hortic.  
 Biol. Fertil. Soils  
 Biol. Mass Spectrom.  
 Biol. Membr.  
 Biol. Plant.  
 Biom. Bull.  
 Biometrics  
 Biometrika  
 Biophys. J.  
 Bioresour. Technol.  
 Biosci. Biotechnol. Biochem.  
 BioScience  
 Biotechnol. Prog.  
 Biotechnology  
 Biotropica  
 Bot. Gaz. (Chicago)

Bot. Mag. (Tokyo)  
 Bot. Rev.  
 Boundary-Layer Meteorol.  
 Br. J. Appl. Phys.  
 Bull. Ala. Agric. Exp. Stn. Auburn Univ.  
 Bull. Ala. Agric. Exp. Stn. Polytech. Inst.  
 Bull. Am. Meteorol. Soc.  
 Bull. Chem. Soc. Jpn.  
 Bull. Entomol. Soc. Am.  
 Bull. Environ. Contam. Toxicol.  
 Bull. Int. Assoc. Eng. Geol.  
 Bull. Rech. Agron. Gembloux  
 Bull. Torrey Bot. Club  
 Bull. Y. Tenn. Val. Auth. Natl. Fert. Dev. Cent.  
 Bull. Yale Univ. Sch. For.  
 Bull. Yale Univ. Sch. For. Environ. Stud.  
  
 C. R. Acad. Agric. Fr.  
 Calif. Agric.  
 Can. Agric. Eng.  
 Can. Entomol.  
 Can. Geotech. J.  
 Can. J. Agric. Sci.  
 Can. J. Anim. Sci.  
 Can. J. Biochem.  
 Can. J. Biochem. Physiol.  
 Can. J. Bot.  
 Can. J. Chem.  
 Can. J. Fish. Aquat. Sci.  
 Can. J. For. Res.  
 Can. J. Genet. Cytol.  
 Can. J. Microbiol.  
 Can. J. Phys.  
 Can. J. Plant Pathol.  
 Can. J. Plant Sci.  
 Can. J. Res. Sect. A  
 Can. J. Res. Sect. B  
 Can. J. Res. Sect. C  
 Can. J. Soil Sci.  
 Can. J. Spectrosc.  
 Can. Min. Metall. Bull.  
 Can. Mineral.  
 Caryologia  
 Castanea  
 Catena  
 Cell  
 Cell Tissue Res.  
 Cell. Mol. Biol.  
 Cereal Chem.  
 Cereal Res. Commun.  
 Chem. Abstr.  
 Chem. Eng. Sci.  
 Chem. Geol.  
 Chem. Phys. Lett.  
 Chem. Phys. Lipids  
 Chem. Rev.  
 Chem. Scr.

Chemosphere  
 Chron. Bot. Croat. Chem. Acta  
 CIM Bull.  
 Clay Miner.  
 Clay Miner. Bull.  
 Clay Sci.  
 Clays Clay Miner.  
 Clays Clay Miner. Proc. Conf.  
 Clim. Change  
 Clin. Toxicol.  
 Cold Spring Harbor Symp. Quant. Biol.  
 Collect. Czech. Chem. Commun.  
 Commun. Soil. Sci. Plant Anal.  
 Compost Sci.  
 Comput. Appl. Biosci.  
 Comput. Chem.  
 Comput. Electron. Agric.  
 Comput. Geosci.  
 Comput. J.  
 Comput. Phys. Commun.  
 Contrib. Mineral. Petrol.  
 Crit. Rep. Appl. Chem.  
 Crit. Rev. Anal. Chem.  
 Crit. Rev. Biochem.  
 Crit. Rev. Biochem. Mol. Biol.  
 Crit. Rev. Biotechnol.  
 Crit. Rev. Environ. Control  
 Crit. Rev. Microbiol.  
 Crit. Rev. Plant Sci.  
 Croat. Chem. Acta  
 Crop Manage.  
 Crop Prot.  
 Crop Sci. Crit. Rev. Biochem. Mol. Biol.  
 Crops Soils  
 Cryobiology  
 Curr. Biol.  
 Curr. Genet.  
 Curr. Microbiol.  
 Curr. Opin. Cell Biol.  
 Curr. Opin. Struct. Biol.  
 Curr. Sci.  
 Cytologia  
  
 Dairy Herd Manage.  
 Dev. Ind. Microbiol.  
 Discuss. Faraday Soc.  
 DNA Cell Biol.  
 Down Earth  
  
 Earth Surf. Processes  
 Earth Surf. Processes Landforms  
 East Afr. Agric. For. J.  
 East Afr. Wildl. J.  
 Ecol. Applic.  
 Ecol. Bull.  
 Ecol. Modell.  
 Ecol. Monogr.  
  
 Ecol. Stud.  
 Ecology  
 Econ. Bot.  
 Econ. Dev. Cult. Change  
 Econ. Entomol.  
 Econ. Geol.  
 Econometrica  
 Ecotoxicol. Environ. Saf.  
 Egypt. J. Soil Sci.  
 Electroanal. Chem.  
 EMBO J.  
 Emp. J. Exp. Agric.  
 Eng. Geol.  
 Eng. Geol. (Amsterdam)  
 Eng. News-Rec.  
 Entomol. Exp. Appl.  
 Environ. Biogeochem. Proc. Int. Symp.  
 Environ. Entomol.  
 Environ. Entomol. Exp. Agric.  
 Environ. Exp. Bot.  
 Environ. Geol. Water Sci.  
 Environ. Int.  
 Environ. Lett.  
 Environ. Pollut.  
 Environ. Pollut. Ser. A  
 Environ. Sci. Technol.  
 Environ. Tech. Lett.  
 Environ. Toxicol. Chem.  
 Enzymologia  
 Estuarine Coastal Mar. Sci.  
 Euphytica  
 Euras. Soil Sci.  
 Exp. Agric.  
 Exp. Cell Res.  
 Exp. Husb.  
  
 Faraday Discuss. Chem. Soc.  
 Farming S. Afr.  
 FEMS Microbiol. Ecol.  
 FEMS Microbiol. Immunol.  
 FEMS Microbiol. Lett.  
 FEMS Microbiol. Rev.  
 FEMS Symp.  
 Fert. Agric.  
 Fert. Res.  
 Fert. Rev.  
 Fert. Soils  
 Fert. Solutions  
 Field Crop Abstr.  
 Field Crops Res.  
 Fiziol. Rast. (Moscow)  
 Fiziol. Rast. (Sofia)  
 Food Agric. Immunol.  
 Forage Grazing Grassl.  
 For. Chron.  
 For. Ecol. Manage.  
 For. Sci.

Forestry  
 Fresenius Z. Anal Chem.  
 Front. Ecol. Environ.  
 Fuel  
  
 Genetics  
 Genetics (The Hague)  
 Genome  
 Geochem. Int.  
 Geochim. Cosmochim. Acta  
 Geoderma  
 Geogr. Rev.  
 Geol. Mag.  
 Geol. Soc. Am. Bull.  
 Geol. Soc. Am. Spec. Pap.  
 Geology  
 Geophys. Res. Lett.  
 Geophysics  
 Geotech. Test. J.  
 Geotechnique  
 Grass Forage Sci.  
 Ground Water  
 Ground Water Monit. Rev.  
  
 Harv. For. Pap.  
 Hawaii Inst. Trop. Agric. Hum. Resour. Res.  
     Ext. Ser.  
 Hawaii Plant. Rec.  
 Hazard. Waste  
 Health Phys.  
 Herb. Abstr.  
 Heredity  
 Hildgardia  
 Hort. Sci. (Stuttgart)  
 HortScience  
 Hydrobiologia  
  
 IAHS Publ.  
 IEEE Trans. Geosci. Remote Sens.  
 IEEE Trans. Nucl. Sci.  
 Ill. Agric. Econ.  
 Ill. Res.  
 Ind. Eng. Chem.  
 Ind. Eng. Chem. Anal. Ed.  
 Ind. Eng. Chem. News Ed.  
 Ind. Eng. Chem. Process Des. Dev.  
 Ind. Wastes  
 Indian J. Agric. Sci.  
 Indian J. Agron.  
 Indian J. Exp. Biol.  
 Indian J. Exp. Bot.  
 Indian J. Genet. Plant Breed.  
 Indian J. Pure Appl. Phys.  
 Insect Biochem. Mol. Biol.  
 Int. Congr. Soil Sci. Trans.  
 Int. J. Environ. Anal. Chem.  
 Int. J. Heat Mass Transfer  
  
 Int. Mitt. Bodenkd.  
 Int. Rice Comm. Newsl.  
 Iowa State J. Res.  
 Irrig. Sci.  
 Isr. J. Agric. Res.  
 Isr. J. Bot.  
 Isr. J. Chem.  
 Issues Sci. Technol.  
  
 J. Agric. Econ.  
 J. Agric. Eng. Res.  
 J. Agric. Food Chem.  
 J. Agric. Res. (*several cities*)  
 J. Agric. Res. (Washington, DC)  
 J. Agric. Sci. (Cambridge)  
 J. Agric. Sci. (Helsinki)  
 J. Agric. Sci. (Peking)  
 J. Agron. Crop Sci.  
 J. Agron. Educ.  
 J. Air. Pollut. Control Assoc.  
 J. Altern. Agric.  
 J. Am. Chem. Soc.  
 J. Am. Soc. Agron.  
 J. Am. Soc. Hortic. Sci.  
 J. Am. Soc. Sugar Beet Technol.  
 J. Am. Stat. Assoc.  
 J. Am. Vet. Med. Assoc.  
 J. Am. Water Works Assoc.  
 J. Anal. Appl. Pyrolysis  
 J. Anim. Sci.  
 J. AOAC Int.  
 J. Appl. Bacteriol.  
 J. Appl. Ecol.  
 J. Appl. Meteorol.  
 J. Appl. Phys.  
 J. Appl. Seed Prod.  
 J. Arboric.  
 J. Arid Environ.  
 J. Assoc. Off. Agric. Chem.  
 J. Assoc. Off. Anal. Chem.  
 J. Atmos. Chem.  
 J. Atmos. Sci.  
 J. Bacteriol.  
 J. Bioenerg.  
 J. Biol. Chem.  
 J. Br. Grassl. Soc.  
 J. Chem. Ecol.  
 J. Chem. Educ.  
 J. Chem. Phys.  
 J. Chem. Soc.  
 J. Chem. Soc. Chem. Commun.  
 J. Chem. Soc. Dalton Trans.  
 J. Chem. Soc. Faraday Trans. 1  
 J. Chem. Soc. Faraday Trans. 2  
 J. Chromatogr.  
 J. Clim. Appl. Meteorol.  
 J. Colloid Interface Sci.

J. Colloid Sci.  
 J. Contam. Hydrol.  
 J. Coord. Chem.  
 J. Dairy Res.  
 J. Dairy Sci.  
 J. Ecol.  
 J. Econ. Entomol.  
 J. Electroanal. Chem.  
 J. Electron Spectrosc. Relat. Phenom.  
 J. Environ. Eng.  
 J. Environ. Qual.  
 J. Environ. Sci.  
 J. Environ. Sci. Health  
 J. Environ. Sci. Health Part B  
 J. Exp. Biol.  
 J. Exp. Bot.  
 J. Fac. Agric. Tottori Univ.  
 J. Fert. Issues  
 J. Food Chem.  
 J. For.  
 J. Gen. Microbiol.  
 J. Gen. Virol.  
 J. Geol.  
 J. Geophys. Res.  
 J. Great Lakes Res.  
 J. Hered.  
 J. Hortic. Sci.  
 J. Hydrol. (Amsterdam)  
 J. Indian Soc. Soil Sci.  
 J. Inf. Sci.  
 J. Inorg. Nucl. Chem.  
 J. Insect Physiol.  
 J. Int. Assoc. Math. Geol.  
 J. Irrig. Drain. Div. Am. Soc. Civ. Eng.  
 J. Kans. Entomol. Soc.  
 J. Magn. Reson.  
 J. Mater.  
 J. Metereol.  
 J. Microbiol. Methods  
 J. Mol. Biol.  
 J. Nat. Resour. Life Sci. Educ.  
 J. Natl. Inst. Agric. Bot.  
 J. Nematol.  
 J. Nutr.  
 J. Org. Chem.  
 J. Photochem.  
 J. Photochem. Photobiol., A  
 J. Photochem. Photobiol., B  
 J. Phys. Chem.  
 J. Phys. Colloid Chem.  
 J. Phys. D: Appl. Phys.  
 J. Phys. E: Sci. Instrum.  
 J. Phys. Sci.  
 J. Plant Growth Regul.  
 J. Plant Nutr.  
 J. Plant Physiol.  
 J. Policy Model.  
 J. Prod. Agric.  
 J. Range Manage.  
 J. Res. Natl. Bur. Stand.  
 J. Res. Natl. Bur. Stand. Technol.  
 J. Res. Natl. Inst. Stand. Technol.  
 J. Res. Punjab Agric. Univ.  
 J. Res. U.S. Geol. Surv.  
 J. S. Afr. Bot.  
 J. Sci. Food Agric.  
 J. Sci. Instrum.  
 J. Sediment. Petrol.  
 J. Seed Technol.  
 J. Soc. Ind. Appl. Math.  
 J. Soil Mech. Found. Div., Am. Soc. Civ. Eng.  
 J. Soil Sci.  
 J. Soil Water Conserv.  
 J. Sports Turf Res. Inst.  
 J. Theor. Biol.  
 J. Ultrastruct. Res.  
 J. Vac. Sci. Technol.  
 J. Virol.  
 J. Virol. Methods  
 J. Volcanol. Geotherm. Res.  
 J. Water Pollut. Control Fed.  
 J. Weather Modif.  
 J. Wildl. Manage.  
 Jpn. J. Breed.  
 Jpn. J. Crop Sci.  
 Kerala J. Vet Sci.  
 La. Agric.  
 Landbauforsch. Voelkenrode  
 Landbauforsch. Voelkenrode Sonderh.  
 Landwirtsch. Forsch.  
 Langmuir  
 Lesovedenie  
 Lett. Appl. Microbiol.  
 Limnol. Oceanogr.  
 Lipids  
 Maize Genet. Coop. Newsl.  
 Mar. Chem.  
 Mass Spectrom. Rev.  
 Math. Biosci.  
 Maydica  
 Meded. Landbouwhoges. Wageningen  
 Methods Enzymol.  
 Methods Mol. Biol.  
 Microbiol. Ecol.  
 Micron  
 Mineral. Mag.  
 Mol. Biol. (Moscow)  
 Mol. Biol. Cell  
 Mol. Cell. Biochem.  
 Mol. Cell. Biol.  
 Mol. Gen. Genet.

Mol. Microbiol.  
Mol. Plant-Microbe Interact.  
Mol. Simul.  
Moscow Univ. Soil Sci. Bull. (Engl. Transl).  
Mycologia  
Mycotoxins  
  
NACTA J.  
Nat. Biotechnol.  
Nat. Sci. Educ.  
Natl. Bur. Stand. N. Z. J.  
Natl. Fert. Rev.  
Nature (London)  
Nature (Moscow)  
Nature (Sofia)  
Nematologica  
Neth. Fert. Tech. Bull.  
Neth. J. Agric. Sci.  
Neth. Nitrogen Tech. Bull.  
New Phytol.  
North Cent. J. Agric. Econ.  
Northeast. Environ. Sci.  
Northwest Sci.  
Novenytermeles  
Nucl. Sci. Abstr.  
Nucleic Acids Res.  
Nutr. Abstr. Rev.  
Nutr. Rep. Int.  
N. Z. J. Agric. Res.  
N. Z. J. Bot.  
N. Z. J. Exp. Agric.  
N. Z. J. For. Sci.  
N. Z. J. Sci.  
N. Z. J. Sci. Technol.  
N. Z. J. Soil Sci.  
N. Z. J. Vet. J.  
  
Oecol. Plant.  
Oecologia (Berlin)  
Ohio Farm Home Res.  
Ohio Rep.  
Oikos  
Oleagineux  
Org. Geochem.  
Outlook Agric.  
  
Pap. Am. Soc. Agric. Eng.  
PCR Methods Appl.  
Peanut Sci.  
Pedobiologia  
Pedologie  
Pestic. Biochem. Physiol.  
Pestic. Sci.  
Philos. Trans. R. Soc. London, Ser. B  
Photobiochem. Photobiophys.  
Photochem. Photobiol.  
Photogramm. Eng. Remote Sens.  
  
Photosynth. Res.  
Photosynthetica  
Phys. Chem.  
Phys. Chem. Miner.  
Phys. Earth Planet Inter.  
Phys. Rev. Lett.  
Physics (Long Island City, NY)  
Physics (New York)  
Physiol. Plant Pathol.  
Physiol. Plant Pathol. 1976  
Physiol. Plant.  
Physiol. Veg.  
Phytochem. Anal.  
Phytochemistry  
Phytopathol. Z.  
Phytopathology  
Plant Breed.  
Plant Breed. Rev.  
Plant Cell  
Plant Cell Environ.  
Plant Cell Physiol.  
Plant Cell Rep.  
Plant Cell Tissue Organ Cult.  
Plant Dis.  
Plant Dis. Rep.  
Plant Foods Hum. Nutr.  
Plant J.  
Plant Mol. Biol.  
Plant Pathol.  
Plant Physiol.  
Plant Sci.  
Plant Sci. Lett.  
Plant Soil  
Planta  
Pochvovedenie  
Port. Acta. Biol. Ser. A  
Potato Res.  
Proc. Am. Forage Grassl. Conf.  
Proc. Am. Soc. Anim. Sci., South. Sec.  
Proc. Am. Soc. Anim. Sci., West. Sec.  
Proc. Am. Soc. Civ. Eng.  
Proc. Am. Soc. Hortic. Sci.  
Proc. Annu. Meet. Northeast Weed Sci. Soc.  
Proc. Arkansas Acad. Sci.  
Proc. Asian-Pac. Weed Sci. Soc. Conf.  
Proc. Assoc. Off. Seed Anal.  
Proc. Br. Weed Control Conf.  
Proc. Crop Sci. Soc. Jpn.  
Proc. Fluid Fert. Found. Symp.  
Proc. Gen. Meet. Eur. Grassl. Fed., xth  
Proc. Indian Acad. Sci.  
Proc. Indiana Acad. Sci.  
Proc. Int. Congr. Anim. Reprod. Artif. Insem.,  
xth  
Proc. Int. Grassl. Congr., xth  
Proc. Int. Seed Test. Assoc.  
Proc. Int. Turf Res. Conf.

Proc. K. Ned. Akad. Wet. Ser. C  
 Proc. N. Z. Grassl. Assoc.  
 Proc. N. Z. Weed Pest Control Conf.  
 Proc. Natl. Acad. Sci. India  
 Proc. Natl. Acad. Sci. USA  
 Proc. Nutr. Soc.  
 Proc. R. Soc. London  
 Proc. R. Soc. London, Ser. A or B  
 Proc. S.D. Acad. Sci.  
 Proc. Soc. Exp. Biol. Med.  
 Proc. Soil Crop Sci. Soc. Fla.  
 Proc. West. Soc. Weed Sci.  
 Prog. Nucleic Acid Res. Mol. Biol.  
 Prot. Ecol.  
 Public Roads  
 Pulp Pap. Mag. Can.

Q. J. R. Meteorol. Soc.  
 Q. Rev. Biol.

Radiat. Bot.  
 Radiocarbon  
 Reclam. Rev.  
 Reclam. Reveg. Res.  
 Remote Sens. Environ.  
 Res. J. Water Pollut. Control Fed.  
 Res. Rep. North Cent. Weed Control Conf.  
 Residue Rev.  
 Rev. Chim. (Bucharest)  
 Rev. Chim. Miner.  
 Rev. Ecol. Biol. Sol.  
 Rev. Mark. Agric. Econ.  
 Rice J.  
 Rostl. Vyroba

S. Afr. J. Agric. Sci.  
 S. Afr. J. Plant Soil.  
 Scanning Electron Microsc.  
 Schweiz. Landwirtschaft. Forsch.  
 Sci. Agric. (Ottawa)  
 Sci. Agric. (Taipei)  
 Sci. Agric. (Tokyo)  
 Sci. Agric. Bohemoslov.  
 Sci. Agric. Sin.  
 Sci. Am.  
 Sci. Cult. (Sci. Hortic. (Amsterdam))  
 Sci. Hortic. (Canterbury, Engl.)  
 Sci. Sin. (Engl. Ed.)  
 Sci. Sol  
 Sci. Total Environ.  
 Science (Tokyo)  
 Science (Washington, DC)  
 Scott. For.  
 Seed Sci. Technol.  
 Sementi Elette  
 Soil Biol. Biochem.  
 Soil Bur. Bull. N. Z.

Soil Crop Sci. Soc. Fla. Proc.  
 Soil Res.  
 Soil Sci.  
 Soil Sci. Plant Nutr. (Tokyo)  
 Soil Sci. Soc. Am. J.  
 Soil Sci. Soc. Am. Proc.  
 Soil Surv. Horiz.  
 Soil Tillage Res.  
 Soil Use Manage.  
 Soils Fert.  
 Solutions  
 Solutions (Chicago)  
 Sorghum Newsl.  
 South J. Appl. For.  
 South. Coop. Ser. Bull.  
 South. J. Agric. Econ.  
 Southeast. Geol.  
 Sov. Plant Physiol. (Engl. Transl.)  
 Sov. Soil Sci. (Engl. Transl.)  
 Soybean Dig.  
 Soybean Genet. Newsl.  
 Spectrochim. Acta  
 Struct. Bonding (Berlin)  
 Stud. Environ. Sci.  
 Stud. Succ.  
 Sulphur Agric.  
 Sulphur Inst. J.  
 Swed. J. Agric. Res.  
 Synthesis  
 Syst. Zool.

Talanta  
 Tappi J.  
 Taxon  
 Technometrics  
 Tellus  
 Tenn. Farm Home Sci.  
 Tenn. Val. Auth. Chem. Eng. Bull.  
 Tenn. Val. Auth. Chem. Eng. Rep.  
 Theor. Appl. Genet.  
 Theriogenology  
 Tob. Sci.  
 Tohoku J. Agric. Res.  
 Toxicol. Environ. Chem.  
 Trans. Am. Geophys. Union  
 Trans. ASAE  
 Trans. ASME, J. Heat Transfer  
 Trans. Br. Mycol. Soc.  
 Trans. Faraday Soc.  
 Trans. Int. Congr. Soil Sci. 9th, 1968  
 Trans. Jt. Meet. Comm. 4, 5, Int. Soc. Soil Sci.,  
 1962  
 Trans. Kans. Acad. Sci.  
 Trans. Soc. Min. Eng. AIME  
 Transp. Res. Rec.  
 Tree Physiol.  
 Trop. Agric. (Colombo, Sri Lanka)

Trop. Agric. (Guildford, UK)  
 Trop. Agric. (Trinidad)  
 Trop. Anim. Prod.  
 Trop. Pest Manage.  
 Trop. Sci.  
 Tul. Trans. Br. Mycol. Soc.  
 Ultramicroscopy  
  
 Vadose Zone J.  
 Vatten  
 Verh. Int. Ver. Theor. Angew. Limnol.  
 Versl. Landbouwk. Onderz.  
  
 Waste Manage Res.  
 Wastes Eng.  
 Water Air Soil Pollut.  
 Water Environ. Res.  
 Water Pollut. Res. J. Can.  
 Water Res.  
 Water Resour.  
 Water Resour. Bull.  
 Water Resour. Res.  
 Water Sci. Technol.  
 Water Works Wastes Eng.  
 Weed Res.  
  
 Weed Sci.  
 Weeds  
 West. J. Agric. Econ.  
 Wetlands  
 World Anim. Rev.  
  
 Z. Acker-Pflanzenbau  
 Z. Anorg. Allg. Chem.  
 Z. Geomorphol.  
 Z. Geomorphol. Suppl.  
 Z. Kulturtech.  
 Z. Kulturtech. Flurbereinig.  
 Z. Naturforsch., A: Phys. Sci.  
 Z. Naturforsch., B: Chem. Sci.  
 Z. Naturforsch., C: Biosci.  
 Z. Pflanzenernaehr. Bodenk.  
 Z. Pflanzenkrankh. Pflanzenpathol.  
     Pflanzenschutz.  
 Z. Pflanzenkrankh. Pflanzenschutz.  
 Z. Pflanzenphysiol.  
 Z. Pflanzenzuecht.  
 Zentralbl. Bakteriolog. Parasitenkd.  
     Infektionskrankh. Hyg. Abt. 2 Orig. Reihe A  
 Zootec. Nutr. Anim.

**Abbreviations used in reference lists.** The following list includes both common abbreviations used in journal titles such as the list above, and also abbreviations used elsewhere in the reference entry.

Abstr., abstr. [Abstract(s), abstract]  
 Acad. [Academy]  
 Adv. [Advances]  
 Agric. [Agriculture, Agricultural]  
 Agron. [Agronomy]  
 Am. [America, American]  
 Ann. [Annals, Annales]  
 Annu. [Annual]  
 Arch. [Archives]  
 ARS [Agricultural Research Service]  
 As. [Asia, Asian]  
 ASA [American Society of Agronomy]  
 Assoc. [Asociación]  
 Assoc. [Association, Associates]  
 At. [Atom, Atomic]  
  
 Beitr. [Beiträge]  
 Biochem. [Biochemie, Biochemistry,  
     Biochemical]  
 Biometr. [Biometrical, Biometry]  
 Bodenk. [Bodenkunde]  
 Bol. [Boletino]  
 Boll. [Bollettino]  
 Bot. [Botanical, Botany]  
 Br. [British]  
 Bull. [Bulletin]  
  
 Bur. [Bureau, Bureaux]  
 C. R. [Comptes Rendus]  
 Can. [Canada, Canadian, Canadien,  
     Canadienne]  
 Cell. [Cellular]  
 Cent. [Center(s), Centre(s), Central]  
 Chem. [Chemistry, Chemical]  
 Chim. [Chimie]  
 Cienc. [Ciencia]  
 Cient. [Científica, Científico]  
 Commun. [Communications]  
 Comp. [Comparative]  
 Comput. [Computation, Computer, Computers,  
     Computing]  
 Comun. [Comunicaciones]  
 Conf. [Conference]  
 Congr. [Congress]  
 Conserv. [Conservation]  
 Contrib. [Contribuciones, Contributions]  
 Counc. [Council]  
 CSREES [Cooperative State Research  
     Education and Extension Service]  
 CSSA [Crop Science Society of America]  
  
 Dep. [Department]  
 Dev. [Development(s), Developmental]



Dtsch. [Deutsche, Deutsches]  
 ed. [editor(s), edition]  
 Educ. [Education, Educational]  
 Entomol. [Entomological, Entomology]  
 Environ. [Environment, Environmental]  
 Ergeb. [Ergebnisse]  
 Eur. [Europe, European]  
 Euras. [Eurasia, Eurasian]  
 Fert. [Fertilizer(s), Fertiliser(s)]  
 Fertil. [Fertility]  
 G. [Giornale]  
 Genet. [Genetic(s)]  
 Geol. [Geologica, Geological, Geology,]  
 Gov. [Government]  
 Handb. [Handbook]  
 Hortic. [Horticulture, Horticultural]  
 Ind. [Industrial]  
 Indian [(no abbreviation)]  
 Inst. [Institute, Institution]  
 Int. [International]  
 J. [Journal]  
 Jpn. [Japan, Japanese]  
 Lab. [Laboratoire, Laboratorio, Laboratory]  
 Lett. [Letter(s)—*but Newsl. for Newsletter*]  
 Mar. [Marine]  
 Mem. [Memoires, Memoirs, Memorias]  
 Meteorol. [Meteorology]  
 Methods [(no abbreviation)]  
 Min. [Mine(s), Mining, Miners]  
 Miner. [Mineral(s)]  
 Mol. [Molecular]  
 Monatsschr. [Monatsschrift]  
 Monogr. [Monograph, Monographs]  
 Nat. [Nature, Natural, Naturelle, Naturalist(s)]  
 Natl. [National]  
 Newsl. [Newsletter]  
 No. [Number]  
 NRCS [Natural Resources Conservation  
 Service]  
 Nucl. [Nuclear, Nucleic]  
 Org. [Organic]  
 Organ. [Organisation, Organization]  
 Pestic. [Pesticide(s)]  
 Phys. [Physical, Physics]  
 Physiol. [Physiological, Physiology]  
 Proc. [Proceedings]  
 Prog. [Progress]  
 Progr. [Program, Programme]  
 Publ. [Publication(s), Publisher(s)]  
 Q. [Quarterly]  
 R. [Royal]  
 Rep. [Report(s), Reporter]  
 Res. [Research]  
 Rev. [Review(s), Revista, Revue]  
 Riv. [Rivista]  
 Sci. [Science(s), Scientific]  
 SCS [Soil Conservation Service]  
 Ser. [Series]  
 Serv. [Service(s)]  
 Soc. [Società, Société, Society, Societies]  
 Spec. [Special]  
 Spectrom. [Spectrometry]  
 SSSA [Soil Science Society of America]  
 Stn. [Station(s)]  
 Stud. [Studies]  
 Symp. [Symposium]  
 Tech. [Technical, Technique(s)]  
 Technol. [Technology, Technological]  
 Trans. [Transactions]  
 TVA [Tennessee Valley Authority]  
 Univ. [Universidad, Universität, Université,  
 University]  
 USDA [United States Department of  
 Agriculture]  
 USEPA [United States Environmental  
 Protection Agency]  
 Vol. [Volume]  
 Wiss. [Wissenschaftliche]  
 Z. [Zeitschrift]