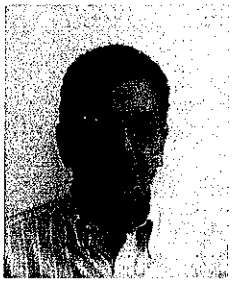
Luis A. Sarandeses – *Curriculum Vitae*



Luis Alberto Sarandeses was born in Lugo, Spain, in 1963. He studied chemistry at the University of Santiago de Compostela, Spain, (B.S. degree in 1985) and obtained his Ph.D. in 1989 under the supervision of Profs. L. Castedo and A. Mouriño. He spent two years (1990–1991) as a NATO postdoctoral research at the University Joseph Fourier de Grenoble, France, working with Dr. J.-L. Luche on the applications of ultrasounds in organic synthesis. In 1992 he joined the University of A Coruña, Spain, as assistant professor, where he became associate professor in 1994 and full professor in 2009. His research interests are focused on the utilization of transition metals in organic synthesis and in the synthesis of natural products and pharmacologically active compounds.

Business address: Departamento de Química Fundamental.
Facultad de Ciencias.
Universidad de A Coruña.
Campus Zapateira, s/n. 15071-A Coruña, Spain.
Phone: +34 981 167 000 ext. 2174
Fax: + 34 981 167 065
E-mail: luis.sarandeses@udc.es

Education

1989	Ph.D., Chemistry, University of Santiago de Compostela. Excellent Award. Dissertation on "Studies on the palladium-catalyzed cross-coupling between enoltriflates and enynes. Application to the synthesis of vitamin D analogues". Supervisors: Profs. Luis Castedo and Antonio Mouriño
1985	B.S., Chemistry, University of Santiago de Compostela.

Academic appointments

May 2009	Professor of Organic Chemistry. University of A Coruña.
Aug. 1994–May 2009	Permanent Associate Professor of Organic Chemistry. University of A Coruña.
Feb. 1992–Jul. 1994	Assistant Professor of Chemistry. University of A Coruña.
Sept. 1991–Jan. 1992	Postdoctoral associate. University of Santiago de Compostela. Spanish Ministry of Education and Science postdoctoral fellowship for the reincorporation to Spain.
Jan. 1990–Jul. 1991	Postdoctoral associate. Laboratoire d'Etudes Dynamiques et Structurales de la Selectivité (LEDSS). University Joseph Fourier Grenoble, France (Supervisor: Dr. Jean-Louis Luche). NATO fellowship.
Jan. 1985–Dec. 1989	Ph.D. student. University of Santiago de Compostela. Spanish Ministry of Education and Science FPI fellowship.

Research Grants (as PI)

2013–2015	National Research Grant. Spanish Ministry of Economy and Competitiveness (CTQ2012-31200).
2010–2012	National Research Grant. Spanish Ministry of Science and Technology (CTQ2009-07180).
2007–2009	National Research Grant. Spanish Ministry of Education (CTQ2006-06166).
2004–2006	Regional Research Grant. Xunta de Galicia (regional governement) (PGIDIT04PXIC10308PN.
2004–2006	National Research Grant. Spanish Ministry of Science and Technology (BQU2003-00301).
2001–2004	Regional Research Grant. Xunta de Galicia (regional governement) (PGIDT01PXI10307PR).
2001–2003	National Research Grant. Spanish Ministry of Science and Technology (BQU2000-0249).
1998–2001	Regional Research Grant. Xunta de Galicia (regional governement) (XUGA10305A98).

Publications

- 60 publications in SCI journals; 43 in Q1.
- *Sum of times cited:* 1412 (Sept. 2014).
- *Average citations per year (last 5 years):* 114.60.
- *Average citations per article:* 23.53.
- *h-index:* 21.

List of publications

64. Triorganoindium reagents in selective palladium catalyzed cross-coupling with iodoimidazoles: synthesis of neurodazine.
Pérez-Caaveiro, C.; Pérez Sestelo, J.; Martínez, M. M.; Sarandeses, L. A.
J. Org. Chem **2014**, *79*, in press (DOI: 10.1021/jo501664p).

63. Nonsymmetrical 3,4-dithienylmaleimides by cross-coupling reactions using indium organometallics: synthesis and photochemical studies.
Mosquera, A.; Férnandez, M. I.; Canle L., M.; Pérez Sestelo, J.; Sarandeses, L. A.
Chem. Eur. J. **2014**, *20*, in press (DOI: 10.1002/chem.201403736).

62. Synthesis of axially chiral 1,1'-binaphthalenes by palladium-catalyzed cross-coupling reactions of triorganoindium reagents.
Mosquera, A.; Pena, M. A.; Pérez Sestelo, J.; Sarandeses, L. A.
Eur. J. Org. Chem. **2013**, 2555–2562 (DOI: 10.1002/ejoc.201300042).

61. Organogold(I) phosphanes in palladium-catalyzed cross-coupling reactions in aqueous media.
Peña-López, M.; Sarandeses, L. A.; Pérez Sestelo, J.
Eur. J. Org. Chem. **2013**, 2545–2554 (DOI: 10.1002/ejoc.201201720).

60. Synthesis of 4,6-disubstituted 2-(4-morpholinyl)pyrimidines by cross-coupling reactions using triorganoindium compounds.
Martínez, M. M.; Pérez-Caaveiro, C.; Peña-López, M.; Sarandeses, L. A.; Pérez Sestelo, J.
Org. Biomol. Chem. **2012**, *10*, 9045–9051 (DOI: 10.1039/c2ob26398j).

59. Rhodium-catalyzed allylic substitution reactions using indium(III) organometallics.
Riveiros, R.; Tato, R.; Pérez Sestelo, J.; Sarandeses, L. A.
Eur. J. Org. Chem. **2012**, 3018–3023 (DOI: 10.1002/ejoc.201200104).

58. Synthesis of functionalized thiophenes and oligothiophenes by selective and iterative cross-coupling reactions using indium organometallics.
Martínez, M. M.; Peña-López, M.; Pérez Sestelo, J.; Sarandeses, L. A.
Org. Biomol. Chem. **2012**, *10*, 3892–3898 (DOI: 10.1039/c2ob25123j).

57. Palladium-catalyzed cross-coupling reactions of organogold(I) phosphanes with allylic electrophiles.
Peña-López, M.; Ayán-Varela, M.; Sarandeses, L. A.; Pérez Sestelo, J.
Org. Biomol. Chem. **2012**, *10*, 1686–1694 (DOI: 10.1039/c2ob06788a).

56. Rhodium-catalyzed conjugate addition of arylindium reagents to α,β-unsaturated carbonyl compounds.
Tato, R.; Riveiros, R.; Pérez Sestelo, J.; Sarandeses, L. A.
Tetrahedron **2012**, *68*, 1606–1611 (DOI: 10.1016/j.tet.2011.11.075).

55. Palladium-catalyzed cross-coupling reactions of organogold(I) reagents with organic electrophiles.
Peña-López, M.; Ayán-Varela, M.; Sarandeses, L. A.; Pérez Sestelo, J.
Chem. Eur. J. **2010**, *16*, 9905–9909 (DOI: 10.1002/chem.201000726).

54. A versatile synthesis of fumaquinone.
Peña-López, M.; Martínez, M. M.; Sarandeses, L. A.; Pérez Sestelo, J.
J. Org. Chem. **2010**, *75*, 5337–5339 (DOI: 10.1021/jo100779z).

53. A versatile enantioselective synthesis of barrenazines.
Peña-López, M.; Martínez, M. M.; Sarandeses, L. A.; Pérez Sestelo, J.
Org. Lett. **2010**, *12*, 852–854 (DOI: 10.1021/ol902920u).
Org. Lett. **2011**, *13*, 4151–4151 (Addition/Correction) (DOI: 10.1021/ol201592g).

52. Synthesis of 3,4-disubstituted maleimides by selective cross-coupling reactions using indium organometallics.
Bouissane, L.; Pérez Sestelo, J.; Sarandeses, L. A.
Org. Lett. **2009**, *11*, 1285–1288 (DOI: 10.1021/ol900063p).

51. Total synthesis of (+)-neomarinone.
Peña-López, M.; Martínez, M. M.; Sarandeses, L. A.; Pérez Sestelo, J.
Chem. Eur. J. **2009**, *15*, 910–916 (DOI: 10.1002/chem.200802021).

50. Cross-coupling reactions of indium organometallics with 2,5-dihalopyrimidines: synthesis of hyrtinadine A.
Mosquera, A.; Riveiros, R.; Pérez Sestelo, J.; Sarandeses, L. A.
Org. Lett. **2008**, *10*, 3745–3748 (DOI: 10.1021/ol801393n).

49. Palladium-catalyzed cross-coupling reactions of triorganoindium reagents with alkenyl halides.
Riveiros, R.; Saya, L.; Pérez Sestelo, J.; Sarandeses, L. A
Eur. J. Org. Chem. **2008**, 1959–1966 (DOI: 10.1002/ejoc.200701216).

48. Enantioselective nickel-catalyzed cross-coupling reactions of trialkynylindium reagents with racemic secondary benzyl bromides.
Caeiro, J.; Pérez Sestelo, J.; Sarandeses, L. A.
Chem. Eur. J. **2008**, *14*, 741–746 (DOI: 10.1002/chem.200701035).
Lautens, M.; Aureggi, V. *Synfacts* **2008**, 491 (DOI: 10.1055/s-2008-1072668).

47. Enantioselective synthesis of (–)-barrenazines A and B.
Martínez, M. M.; Sarandeses, L. A.; Pérez Sestelo, J.
Tetrahedron Lett. **2007**, *48*, 8536–8538 (DOI: 10.1016/j.tetlet.2007.09.145).

46. Synthesis of allenes by palladium-catalyzed S_N2' reaction of indium organometallics with propargylic

esters.
Riveiros, R.; Pérez Sestelo, J.; Sarandeses, L. A.
Synthesis **2007**, 3595–3598 (DOI: 10.1055/s-2007-983849).

45. Synthetic studies on neomarinone: practical and efficient stereoselective synthesis of the side chain.
Suárez, R. M.; Martínez, M. M.; Sarandeses, L. A.; Pérez Sestelo, J.
Tetrahedron Lett. **2007**, *48*, 6493–6495 (DOI: 10.1016/j.tetlet.2007.07.064).

44. Synthesis and conformational analysis of new 17α,21-cyclo-22-unsaturated analogues of calcitriol.
Riveiros, R.; Rumbo, A.; Sarandeses, L. A.; Mouriño, A.
J. Org. Chem. **2007**, *72*, 5477–5485 (DOI: 10.1021/jo0625195).

43. Palladium-catalyzed aryl-aryl cross-coupling reaction using *ortho*-substituted arylindium reagents.
Pena, M. A.; Pérez Sestelo, J.; Sarandeses, L. A.
J. Org. Chem. **2007**, *72*, 1271–1275 (DOI: 10.1021/jo062148s).
Knochel, P.; Thaler, T. *Synfacts* **2007**, 531 (DOI: 10.1055/s-2007-968435).

42. Palladium-catalyzed cross-coupling reaction of triorganoindium reagents with propargylic esters.
Riveiros, R.; Rodríguez, D.; Pérez Sestelo, J.; Sarandeses, L. A.
Org. Lett. **2006**, *8*, 1403–1406 (DOI: 10.1021/ol060192o).
Knochel, P.; Gavryushin, A. *Synfacts* **2006**, 594 (DOI: 10.1055/s-2006-934522).

41. New synthetic applications of indium organometallics in cross-coupling reactions.
Pena, M. A.; Pérez Sestelo, J.; Sarandeses, L. A.
Synthesis **2005**, 485–492 (DOI: 10.1055/s-2004-834945).

40. Practical and efficient enantioselective synthesis of α-amino acids in aqueous media.
Suárez, R. M.; Pérez Sestelo, J.; Sarandeses, L. A.
Org. Biomol. Chem. **2004**, *2*, 3584–3587 (DOI: 10.1039/b413017k).

39. Triorganoindium compounds as efficient reagents for palladium-catalysed cross-coupling reactions with aryl and vinyl electrophiles.
Sarandeses, L. A.; Pérez Sestelo, J.
Catalysts for Fine Chemical Synthesis, Vol. 3, Metal Catalysed Carbon-Carbon Bond-Forming Reactions; Roberts, S. M., Xiao, J., Whittall, J., Pickett, T. E, Eds.; Wiley: Chichester (UK), 2004; pp. 133–138 (ISBN 0-470-86199-1).

38. Palladium-catalyzed cross-coupling reactions of allylic halides and acetates with indium organometallics.
Rodríguez, D.; Pérez Sestelo, J.; Sarandeses, L. A.
J. Org. Chem. **2004**, *69*, 8136–8139 (DOI: 10.1021/jo0491511).

37. Stereoselective convergent synthesis of 24-substituted metabolites and analogues of vitamin D.
Cornella, I.; Suárez, R. M.; Mouriño, A.; Pérez Sestelo, J.; Sarandeses, L. A.
J. Steroid Biochem. Mol. Biol. **2004**, *89-90*, 19–23 (DOI: 10.1016/j.jsbmb.2004.03.045).

36. Diastereoselective conjugate addition to chiral α,β-unsaturated carbonyl systems in aqueous media: an enantioselective entry to α- and γ-hydroxy acids and α-amino acids.
Suárez, R. M.; Pérez Sestelo, J.; Sarandeses, L. A.
Chem. Eur. J. **2003**, *9*, 4179–4187 (DOI: 10.1002/chem.200304790).

35. Palladium-catalyzed carbonylative coupling reactions using triorganoindium compounds.
Pena, M. A.; Pérez Sestelo, J.; Sarandeses, L. A.
Synthesis **2003**, 780–784 (DOI: 10.1055/s-2003-38060).

34. Copper-catalyzed regioselective allylic substitution reactions with indium organometallics.
Rodríguez, D.; Pérez Sestelo, J.; Sarandeses, L. A.
J. Org. Chem. **2003**, *68*, 2518–2520 (DOI: 10.1021/jo0265939).

33. Inner-outer ring 1,3-bis(trimethylsilyloxy)-1,3-dienes as useful intermediates in the synthesis of helicenes.
Real, M. M.; Pérez Sestelo, J.; Sarandeses, L. A.
Tetrahedron Lett. **2002**, *43*, 9111–9114 (DOI: 10.1016/S0040-4039(02)02246-3).

32. Multifold and sequential cross-coupling reactions with indium organometallics.
Pena, M. A.; Pérez, I.; Pérez Sestelo, J.; Sarandeses, L. A.
Chem. Commun. **2002**, 2246–2247 (DOI: 10.1039/b206346h).

31. Diastereoselective ultrasonically induced zinc-copper conjugate addition to chiral α,β-unsaturated carbonyl systems in aqueous media.
Suárez, R. M.; Pérez Sestelo, J.; Sarandeses, L. A.
Synlett **2002**, 1435–1438 (DOI: 10.1055/s-2002-33604).

30. Synthesis of new 18-substituted analogues of calcitriol using a photochemical remote functionalization.
Cornella, I.; Pérez Sestelo, J.; Mouriño, A.; Sarandeses, L. A.
J. Org. Chem. **2002**, *67*, 4707–4714 (DOI: 10.1021/jo020022z).

29. Stereoselective convergent synthesis of 24,25-dihydroxyvitamin D_3 metabolites: a practical approach.
Pérez Sestelo, J.; Cornella, I.; de Uña, O.; Mouriño, A.; Sarandeses, L. A.
Chem. Eur. J. **2002**, *8*, 2747–2752 (DOI: 10.1002/1521-3765(20020617)8:12<2747::AID-CHEM2747>3.0.CO;2-J).

28. Synthesis of the first 24-aminovitamin D_3 derivatives by diastereoselective conjugate addition to a chiral methyleneoxazolidinone in aqueous media.
Pérez Sestelo, J.; de Uña, O.; Mouriño, A.; Sarandeses, L. A.
Synlett **2002**, 719–722 (DOI: 10.1055/s-2002-25339).

27. Atom-efficient metal-catalyzed cross-coupling reaction of indium organometallics with organic electrophiles.
Pérez, I.; Pérez Sestelo, J.; Sarandeses, L. A.
J. Am. Chem. Soc. **2001**, *123*, 4155–4160 (DOI: 10.1021/ja004195).

26. Synthesis of polycyclic structures by the Diels-Alder reaction of inner-outer-ring 1,3-bis(trimethylsilyloxy)dienes.
Pérez Sestelo, J.; Real, M. M.; Sarandeses, L. A.
J. Org. Chem. **2001**, *66*, 1395–1402 (DOI: 10.1021/jo0015319).

25. Synthesis of vitamin D_3 and calcitriol dimers as potential chemical inducers of vitamin D receptor dimerization.
Pérez Sestelo, J.; Mouriño, A.; Sarandeses, L. A.
J. Org. Chem. **2000**, *65*, 8290–8296 (DOI: 10.1021/jo001084x).

24. Palladium-catalyzed cross-coupling reactions of triorganoindium compounds with vinyl and aryl triflates or iodides.
Pérez, I.; Pérez Sestelo, J.; Sarandeses, L. A.
Org. Lett. **1999**, *1*, 1267–1269 (DOI: 10.1021/ol990939t).

23. Design and synthesis of a 1α,25-dihydroxyvitamin D_3 dimer as a potential chemical inducer of vitamin D receptor dimerization.
Pérez Sestelo, J.; Mouriño, A.; Sarandeses, L. A.
Org. Lett. **1999**, *1*, 1005–1007 (DOI: 10.1021/ol990878z).

22. Synthesis of polycyclic structures by Diels-Alder reaction of inner-outer-ring 1,3-bis[(trimethylsilyl)oxy]dienes.
Pérez Sestelo, J.; Real, M. M.; Mouriño, A.; Sarandeses, L. A.
Tetrahedron Lett. **1999**, *40*, 985–988 (DOI: 10.1016/S0040-4039(98)02463-0).

21. Zinc-mediated Barbier reactions.
Luche, J.-L.; Sarandeses, L. A.
Organozinc Reagents; Knochel, P., Jonés, P., Eds.; Oxford University Press: Oxford (UK), 1999; pp. 307–323 (ISBN 0-19-850121-8).

20. First nickel-catalyzed 1,4-conjugate additions to α,β-unsaturated systems using triorganoindium compounds.
Pérez, I.; Pérez Sestelo, J.; Maestro, M. A.; Mouriño, A.; Sarandeses, L. A.
J. Org. Chem. **1998**, *63*, 10074–10076 (DOI: 10.1021/jo981830m).

19. Conjugate additions to electron deficient olefins. Synthesis of vitamin D metabolites and analogues.
Mouriño, A.; Pérez-Sestelo, J.; Sarandeses, L. A.
Synthetic Organic Sonochemistry; Luche, J.-L., Ed.; Plenum Press: New York, 1998; pp. 403–406 (ISBN 0-306-45916-7).

18. Design and synthesis of 1α,25-dihydroxyvitamin D_3 analogs with fixed torsion angle C(16-17-20-22).
Martínez-Pérez, J. A.; Sarandeses, L.; Granja, J.; Palenzuela, J. A.; Mouriño, A.
Tetrahedron Lett. **1998**, *39*, 4725–4728 (DOI: 10.1016/S0040-4039(98)00867-3).

17. Antagonistic activity of 24-oxa-analogs of vitamin D.
Allewaert, K.; Sarandeses, L. A.; Mouriño, A.; Convents, R.; Tan, B.-K.; Zhao, J.; Bouillon, R.
Steroids **1995**, *60*, 484–490 (DOI: 10.1016/0039-128X(95)00036-P).

16. Panorama actual, diseño y síntesis de análogos y metabolitos de la Vitamina D.
Mouriño, A.; Castedo, L.; Mascareñas, J. L.; Granja, J. R.; Sarandeses, L.; Maestro, M. A.; Torneiro, M.; Fall, Y.
Vitamina D: de Factor Nutricional a Hormona Multifuncional; Quesada Gómez, J. M., González Domínguez, J., Eds.; Servicio de Publicaciones de la Universidad de Córdoba: Córdoba (España), 1994; pp. 109–126 (ISBN 84-7801-242-7).

15. Studies on the synthesis of 19-norprevitamin D_3 analogues.
Maestro, M.; Sarandeses, L.; Riveiros, R.; Castedo, L.; Mouriño, A.
Vitamin D. A Pluripotent Steroid Hormone: Structural Studies, Molecular Endocrinology and Clinical Applications; Norman, A. W., Bouillon, R., Thomasset, M., Eds.; Walter de Gruyter & Co.: Berlin-New York, 1994; pp. 51-52 (ISBN 3-11-014157-4).

14. Biologic activity of dihydroxylated 19-nor-(pre)vitamin D_3.
Bouillon, R.; Sarandeses, L. A.; Allewaert, K.; Zhao, J.; Mascareñas, J. L.; Mouriño, A.; Vrielynck, S.; De Clercq, P.; Vandewalle, M.
J. Bone Miner. Res. **1993**, *8*, 1009–1015 (DOI: 10.1002/jbmr.5650080815).

13. Synthesis of 24-oxavitamin D_3 and 1α-hydroxy-24-oxavitamin D_3.
Sarandeses, L. A.; Vallés, M. J.; Castedo, L.; Mouriño, A.
Tetrahedron **1993**, *49*, 731–738 (DOI: 10.1016/S0040-4020(01)86275-X).

12. Synthesis of 1α,25-dihydroxy-19-norprevitamin D_3.
Sarandeses, L. A.; Mascareñas, J. L.; Castedo, L.; Mouriño, A.
Tetrahedron Lett. **1992**, *33*, 5445–5448 (DOI: 10.1016/S0040-4039(00)79117-9).

11. Sonochemistry of epoxyalkyl halides in the presence of a zinc-copper couple.
Sarandeses, L. A.; Mouriño, A.; Luche, J.-L.
J. Chem. Soc., Chem. Commun. **1992**, 798–799 (DOI: 10.1039/C39920000798).

10. A new synthesis of α- and β-damascones from the ionones.
Sarandeses, L. A.; Luche, J. L.
J. Org. Chem. **1992**, *57*, 2757–2760 (DOI: 10.1021/jo00035a045).

9. Cleavage of 2,3-epoxyalkyl halides by the sonochemical zinc-copper couple.

Sarandeses, L. A.; Mourino, A.; Luche, J. L.
J. Chem. Soc., Chem. Commun. **1991**, 818–820 (DOI: 10.1039/C39910000818).

8. Recent advances in the chemistry and synthesis of vitamin D metabolites and analogues.
Mouriño, A.; Granja, J. R.; Mascareñas, J. L.; Sarandeses, L. A.; Torneiro, M.; Maestro, M. A.; Fall, Y.; Castedo, L.
Vitamin D: Gene Regulation, Structure-Function Analysis and Clinical Application; Norman, A. W., Bouillon, R., Thomasset, M., Eds.; Walter de Gruyter & Co.: Berlin-New York, 1991; pp. 199–207 (ISBN 3-11-012638-9).

7. Synthesis of potential inhibitors of vitamin D hydroxylases
Castedo, L.; Sarandeses, L.; Granja, J.; Mascareñas, J. L.; Maestro, M. A.; Mouriño, A.
Bioorganic Chemistry in Health-Care and Technology; Pandit, U. K., Alderwerireldt, F. C., Eds.; Plenum Press: New York, 1991; pp. 251–254 (ISBN 0-306-44007-5).

6. Palladium-catalyzed coupling of vinyl triflates with enynes and its application to the synthesis of 1α,25-dihydroxyvitamin D_3.
Mascareñas, J. L.; Sarandeses, L. A.; Castedo, L.; Mouriño, A.
Tetrahedron **1991**, *47*, 3485–3498 (DOI: 10.1016/S0040-4020(01)86410-3).

5. Ultrasound in organic syntheses. 19. Further studies on the conjugate additions to electron deficient olefins in aqueous media.
Dupuy, C.; Petrier, C.; Sarandeses, L. A.; Luche, J.-L.
Synth. Commun. **1991**, *21*, 643–651 (DOI: 10.1080/00397919108020831).

4. Chemistry of vitamin D, its metabolites and analogs.
Mouriño, A.; Castedo, L.; Fernández, B. R.; Granja, J.; Maestro, M. A.; Mascareñas, J. L.; Sarandeses, L. A.
Vitamin D. Molecular, Cellular and Clinical Endocrinology; Norman, A. W., Ed.; Walter de Gruyter & Co.: Berlin-New York, 1988; pp. 34–48 (ISBN 3-11-011477-1).

3. Mixed organocuprates derived from ortho-heterosubstituted ArCu species. Reactions with simple α,β-unsaturated ketones.
Arevalo, F.; Castedo, L.; Fernández, B. R.; Mouriño, A.; Sarandeses, L.
Chem. Lett. **1988**, 745–748 (DOI: 10.1246/cl.1988.745).

2. Palladium-catalyzed synthesis of dienynes related to 1α,25-dihydroxyvitamin D_3.
Castedo, L.; Mascareñas, J. L.; Mouriño, A.; Sarandeses, L. A.
Tetrahedron Lett. **1988**, *29*, 1203–1206 (DOI: 10.1016/S0040-4039(00)86688-5).

1. Palladium-catalyzed synthesis of dienynes related to vitamin D from enol triflates.
Castedo, L.; Mouriño, A.; Sarandeses, L. A.
Tetrahedron Lett. **1986**, *27*, 1523–1526 (DOI: 10.1016/S0040-4039(00)84303-8).

Invited Lectures

— Indium and gold organometallics in transition-metal catalyzed reactions.
Instituto Universitario Cinquima, University of Valladolid. Valladolid (Spain), Feb-2013.

— Advances in the chemistry of indium organometallics: from new reactions to molecular materials.
XXIV Reunión Bienal de Química Orgánica de la RSEQ, Donostia-San Sebastián (Spain), Jul-2012.

— Indium organometallics in organic synthesis.
I+D Center of Janssen-Cilag. Toledo (Spain), May-2010.

— Indium organometallics in organic synthesis.

Instituto Universitario de Bio-Orgánica Antonio González, University of La Laguna. La Laguna (Tenerife, Spain), Dec-2009.

- Chemistry and creativity.
  Taller "Creatividade e Ciencia", as recetas dos científicos para innovar no laboratorio. Aquarium Finisterrae-Scientific Museums of A Coruña. A Coruña (Spain), Oct-2009
- Enantioselective cross-coupling reactions with indium organometallics.
  2ª Jornadas de la Red Española de Catálisis Asimétrica (Red CASI), Palma de Mallorca (Spain), Oct-2008.
- Transition-metal catalyzed reactions using indium organometallics.
  2005 International Chemical Congress of Pacific Basin Societies (Pacifichem 2005), Honolulu (Hawaii, USA), Dec 2005.
- Zinc-copper induced stereoselective conjugate additions in aqueous media.
  Duquesne University. Pittsburgh, (Philadelphia, USA), Dec 2005.
- Indium organometallics: a new tool for organic synthesis.
  XXIX Reunión Bienal de la Real Sociedad Española de Química, Lugo (Spain), Sep 2005.
- Transition-metal catalyzed reactions with triorganoindium compounds.
  Facultad de Química, University of Oviedo. Oviedo (Spain), Feb 2005.
- Transition-metal catalyzed reactions with indium organometallics.
  5th Spanish Italian Symposium on Organic Chemistry (SISOC-5), Santiago de Compostela (Spain), Sep 2004.

Courses taught (at the University of A Coruña)

- *1992 Syllabus; Degree in Chemistry.*
  General organic chemistry (3rd year).
  Intermediate organic chemistry (4th year).
  Pesticides (5th year).
- *1996 Syllabus; Degree in Chemistry.*
  Organic Chemistry (2nd year).
  Intermediate organic chemistry (3rd year).
  Experimental organic synthesis (3rd year).
  Advanced organic chemistry (4th year).
  Experimental organic chemistry (4th year).
  Structural determination and synthesis in organic chemistry (4th-5th year).
- *2010 Syllabus; Degree in Chemistry.*
  Chemistry-IV (1st year).
  Intermediate organic chemistry (3rd year).
  Experimental organic chemistry (3rd year).
- *Master Degree in Environmental and Fundamental Chemistry.*
  Sustainable chemistry (2006–2011).
  Applied organic chemistry (2006–2011).
- *Master Degree in Sciences, Technologies and Environmental Management.*
  Sustainable chemistry (2013–).
- *Doctoral courses (1993–2006).*
  Organometallic compounds in organic chemistry (1993–2005).
  Sonochemistry (1995–1997).

Ph.D. Thesis (supervision)

- Ángeles Mosquera.
  Indium(III) organometallics in cross-coupling reactions: synthesis of 2,5-disubstituted pyrimidines, 1,1'-binaphthyls and 1,2-dithyenylethenes.
  University of A Coruña, Oct. 2012.
- Rubén Tato.
  Indium(III) organometallics in rhodium-catalyzed reactions.
  University of A Coruña, Apr. 2012.
- Miguel Peña-López.
  New methodologies in organic synthesis: synthesis of neomarinone, furaquinocins and barrenazine.
  University of A Coruña, Jul. 2011. Excellent Award
- Miguel A. Pena.
  Indium organometallics in palladium-catalyzed cross-coupling reactions.
  University of A Coruña, Jul. 2006.
- Rosa M. Suárez.
  Diastereoselective conjugate addition reactions in aqueous media. Studies on the synthesis of neomarinone.
  University of A Coruña, Jul. 2006.
- M. Mar Real.
  Synthesis and reactivity of 1,3-bis(trimethylsilyloxy)1,3-dienes endo-exocyclic in Diels-Alder reactions. Applications to the synthesis of helicenes and neomarinone.
  University of A Coruña, Feb. 2003.
- Iván Cornella-Taracido.
  Synthesis of C-18 modified analogues of calcitriol and of vitamin D_3 metabolites hydroxylated at C-24.
  University of A Coruña, Dec. 2001.
- Ricardo Riveiros.
  Synthesis of analogues of calcitriol (1α,25-dihydoxyvitamin D_3) with semirigid side chains.
  University of Santiago de Compostela, Jun. 2001

Other

Meetings-Symposia

- 78 communications (panel, short talk) to Scientific Meetings (national and international)
- Member of the Organizing Commitee; *"XVIII Reunión Bienal de Química Orgánica de la Real Sociedad Española de Química"*. A Coruña (Spain), April 2000.
- Member of the Scientific Commitee; *"4th Spanish-Portuguese-Japanese Organic Chemistry Symposium (4SPJ-OCS)"*. Santiago de Compostela (Spain), September 2006.

Positive Assessment of Research Activities

- 4th Stretch (2005–2010), granted by Ministry of Education on 01/01/2011.
- 3rd Stretch (1999–2004), granted by Ministry of Education on 01/01/2005.
- 2nd Stretch (1992–1998), granted by Ministry of Education on 01/01/1999.
- 1st Stretch (1986–1991), granted by Ministry of Education on 01/01/1992.

Positive Assessment of Teaching Activities

- 5th Stretch (2008–2012), granted by University of A Coruña. Level 29.
- 4th Stretch (2003–2007), granted by University of A Coruña. Level 27.
- 3rd Stretch (1998–2002), granted by University of A Coruña. Level 27.
- 2nd Stretch (1993–1997), granted by University of A Coruña. Level 27.
- 1st Stretch (1986–1992), granted by University of A Coruña. Level 27.

Professional memberships

- Spanish Royal Society of Chemistry (RSEQ), from 1993.
- American Chemical Society (ACS), from 1994.