**References and links to texts about André Lichnerowicz**

André Lichnerowicz (1915--1998) was a student at the École Normale Supérieure in Paris from 1933 to 1936. The advisers for his thesis, which he defended in 1939, were Élie Cartan and Georges Darmois. In 1941, he was appointed professor of mechanics at the University of Strasbourg, which soon moved to the « free zone » for the duration of the Second World War. He became professor at the University of Paris in 1949, then in 1952 he was elected to a chair at the Collège de France. In 1963, he was elected to the Académie des Sciences de Paris. He studied many aspects of the relations between mathematics and physics, working in general relativity, in differential geometry and in global analysis on manifolds. He made very important contributions to the study of Einstein’s equations, to Riemannian geometry and to the theory of spin manifolds, and he was the main creator of Poisson geometry and of the theory of quantization by deformation.

**Selected bibliography of Lichnerowicz**

[http://www.college-de-france.fr/site/andre-lichnerowicz/Bibliographie.htm](https://mail.upmc.fr/owa/redir.aspx?SURL=b_o5HHKD1Lz0yNHv25Ucmh_GvHwMoZJnZWe2k-fyvfhFBI7BegDTCGgAdAB0AHAAOgAvAC8AdwB3AHcALgBjAG8AbABsAGUAZwBlAC0AZABlAC0AZgByAGEAbgBjAGUALgBmAHIALwBzAGkAdABlAC8AYQBuAGQAcgBlAC0AbABpAGMAaABuAGUAcgBvAHcAaQBjAHoALwBCAGkAYgBsAGkAbwBnAHIAYQBwAGgAaQBlAC4AaAB0AG0A&URL=http%3A%2F%2Fwww.college-de-france.fr%2Fsite%2Fandre-lichnerowicz%2FBibliographie.htm)

**The inaugural lesson of Lichnerowicz at the Collège de France (in French)**

*Leçon inaugurale faite le mercredi 3 décembre 1952*, Collège de France, Chaire de physique mathématique, par M. André Lichnerowicz. Paris : Collège de France, 1953.

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**Partial list of articles in French about Lichnerowicz[[1]](#footnote-2)**

[1] Tribute to Lichnerowicz by Alain Connes

<http://www.college-de-france.fr/site/andre-lichnerowicz/Hommage.htm>

[2] Interview and a portrait of André Lichnerowicz in *Hommes de science, 28 portraits*, Entretiens et photographie de Marian Schmidt, Hermann, Paris, 1990, pp. 170-177.

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[3] Yvonne Choquet-Bruhat, L’œuvre d’André Lichnerowicz en relativité générale,

Marcel Berger, L’œuvre d’André Lichnerowicz en géométrie riemannienne,

Charles-Michel Marle, L’œuvre d’André  Lichnerowicz en géométrie symplectique. In *Physique quantique et géométrie*, Colloque Géométrie et Physique de 1986 en l’honneur de André Lichnerowicz, Daniel Bernard et Yvonne Choquet-Bruhat, éds., Travaux en Cours, Hermann, Paris, 1988, pp. 1-10, 11-24 et 25-42.

MIR 90 COL 86

IHP K 299 100 45 I

[4] André Revuz, [*André Lichnerowicz (1915-1998)*](http://smf4.emath.fr/Publications/Gazette/1999/81/smf_gazette_81_94-95.pdf). Gazette des Mathématiciens, 81 (1999), 94-95.

<http://smf4.emath.fr/Publications/Gazette/1999/81/smf_gazette_81_94-95.pdf>

[5] André Revuz*, Lichnerowicz et la réforme des mathématiques,*

Marcel Berger, *L*[*ichnerowicz et la géométrie différentielle,*](https://mail.upmc.fr/owa/redir.aspx?SURL=glbE2OgYdQjvqDU0QdKufepm5GgozExoP6J7PcXAhsR3E8YbcQDTCGgAdAB0AHAAOgAvAC8AcwBtAGYANAAuAGUAbQBhAHQAaAAuAGYAcgAvAFAAdQBiAGwAaQBjAGEAdABpAG8AbgBzAC8ARwBhAHoAZQB0AHQAZQAvADEAOQA5ADkALwA4ADIALwBzAG0AZgBfAGcAYQB6AGUAdAB0AGUAXwA4ADIAXwA5ADMALQA5ADgALgBwAGQAZgA.&URL=http%3A%2F%2Fsmf4.emath.fr%2FPublications%2FGazette%2F1999%2F82%2Fsmf_gazette_82_93-98.pdf)

Yvonne Choquet-Bruhat, [*Lichnerowicz et la relativité générale,*](https://mail.upmc.fr/owa/redir.aspx?SURL=rBZ3RbUpxxSxT4c4Ngut9vjBGEDCF2ebsdj9u0LQ8Ll3E8YbcQDTCGgAdAB0AHAAOgAvAC8AcwBtAGYANAAuAGUAbQBhAHQAaAAuAGYAcgAvAFAAdQBiAGwAaQBjAGEAdABpAG8AbgBzAC8ARwBhAHoAZQB0AHQAZQAvADEAOQA5ADkALwA4ADIALwBzAG0AZgBfAGcAYQB6AGUAdAB0AGUAXwA4ADIAXwA5ADkALQAxADAAMQAuAHAAZABmAA..&URL=http%3A%2F%2Fsmf4.emath.fr%2FPublications%2FGazette%2F1999%2F82%2Fsmf_gazette_82_99-101.pdf)

Charles-Michel Marle, *L'œuvre d'André Lichnerowicz en géométrie symplectique*. In *Gazette* des Mathématiciens, 82 (1999), 90-92, 93-98, 99-101, 102-108.

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<http://smf4.emath.fr/Publications/Gazette/1999/82/smf_gazette_82_99-101.pdf>

http://smf4.emath.fr/Publications/Gazette/1999/82/smf\_gazette\_82\_102-108.pdf

[6] Michel Cahen, *André Lichnerowicz [1915–1998].* Bulletin de la Classe des sciences de l'Académie royale de Belgique (Acad. Roy. Belg. Bull. Cl. Sci.) (6) 10 (1999), no. 1-6, 13–15.

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[7] Yvette Kosmann-Schwarzbach, [*Hommage à André Lichnerowicz (1915-1998)*](http://smf4.emath.fr/Publications/Gazette/2008/118/smf_gazette_118_52-56.pdf). Gazette des Mathématiciens, 118 (Octobre 2008), 52-56.

<http://smf4.emath.fr/Publications/Gazette/2008/118/smf_gazette_118_52-56.pdf>

**Partial list of articles in English about Lichnerowicz**

[8] English translation of [3] with an additional text by Jean-Pierre Bourguignon,

Marcel Berger, Jean-Pierre Bourguigon, Yvonne Choquet-Bruhat, Charles-Michel Marle, André Revuz, [*André Lichnerowicz (1915-1998)*](https://www.google.com/url?q=http://www.ams.org/notices/199911/mem-lichnerowicz.pdf&sa=U&ved=0ahUKEwiglr6Cr87JAhXB7A4KHVrfDDMQFggGMAE&client=internal-uds-cse&usg=AFQjCNF6Vco2Lm9kQolvKojue4qOx7lNbw), Notices Amer. Math. Soc., 46 (11) (1999), 1387-1396.

http://www.ams.org/notices/199911/mem-lichnerowicz.pdf

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[9] Richard Kerner, *Tribute to André Lichnerowicz*, Ann. Phys. (Leipzig) **9** (2000) 3–5, 169 – 177.

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[10] English translation of [7]

Yvette Kosmann-Schwarzbach, [*Tribute to André Lichnerowicz (1915-1998)*](http://www.ams.org/notices/200902/rtx090200244p.pdf), Notices of the American Mathematical Society, 56(2) (February 2009), 244-246.

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Reprint: [*Tribute to André Lichnerowicz*](file:///C:\Documents%20and%20Settings\Propriétaire\Bureau\ https:\www.ems-ph.org\journals\newsletter\pdf\2009-03-71.pdf), Newsletter of the European Mathematical Society, 71 (March 2009), 21-23.

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**A tribute to Lichnerowicz in Spanish**

[11] Alberto Campos, [*André Lichnerowicz (1915–1998)*](http://www.scm.org.co/aplicaciones/revista/Articulos/690.pdf), Lecturas Matemáticas (Bogotá) 21 (2000), no. 2, 143–152.

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1. These lists were compiled in December 2015 by Yvette Kosmann-Schwarzbach. The references are to the mathematics library at Institut Henri Poincaré (IHP), and to the Bibliothèque Mathématiques Informatique Recherche (MIR) and the Bibliothèque Chimie Physique Recherche (BCPR) at Campus Jussieu of Université Pierre et Marie Curie.

   I thank the librarians for their help. [↑](#footnote-ref-2)