

ERNESTO SPINELLI

Curriculum Vitae ai fini della pubblicazione

Roma, 5 febbraio 2019

Part I - General Information

Full Name	Ernesto SPINELLI
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Part II - Education

Type	Date	Institution	Notes
University graduation	2001/07/16	Università di Lecce	- <i>Laurea in Mathematics</i> - Final Score: <i>110/110 cum laude</i> - Title of the Thesis: <i>Anelli gruppali modulari con gruppo degli elementi invertibili ipercentrale</i>
Post-graduate studies	2002 to 2005	Università di Lecce	<i>PhD Fellowship</i> (obtained as a result of a competitive exam)
PhD	2005/04/28	Università di Lecce	- <i>PhD in Mathematics</i> - Title of the Thesis: <i>Lie properties of modular group algebras and restricted universal enveloping algebras</i> - Supervisor: <i>Prof. F. Catino</i> - Jury of the final examination: <i>Prof. A. Giambruno (Univ. of Palermo), Prof. A. Caranti (Univ. of Trento), Prof. Adalbert Bovdi (Univ. of Debrecen, Hungary)</i> - Final Judgement: <i>Excellent</i>

Part III - National Scientific Qualifications (ASN)

Type	Role	Sector	Date
National Scientific Qualification (ASN)	Full Professor (I Fascia)	01/A2 Geometry and Algebra	July 31, 2017
National Scientific Qualification (ASN)	Associate Professor (II Fascia)	01/A2 Geometry and Algebra	December 24, 2013
National Scientific Qualification (ASN)	Associate Professor (II Fascia)	01/A2 Geometry and Algebra	September 18, 2018

Part IV - Appointments**IV A - Academic Appointments**

Start	End	Institution	Position
2011/12/01		Università di Roma “La Sapienza”	- <i>Ricercatore Confermato</i> at Department of Mathematics - SSD: <i>MAT/02 - Algebra</i>
2011/02/17	2011/11/30	Università del Salento	<i>PostDoc Fellowship “Ennio De Giorgi”</i> obtained as a result of a competitive exam
2009/12/01	2010/11/30	Università del Salento	- <i>PostDoc Fellowship (Assegno di Ricerca)</i> obtained as a result of a competitive exam - Research Title: <i>Investigation of polynomial and *-polynomial identities of algebras with involution</i>

2005/12/01	2009/11/30	Università del Salento	- <i>PostDoc Fellowship (Assegno di Ricerca)</i> obtained as a result of a competitive exam - Research Title: <i>Investigation of the principal Lie parameters of a modular group algebra with particular attention to the link between Lie structure and group structure of the group of units of the group algebra</i>
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IV B - Appointments at Foreign Institutions

Period	Institution	Position
2015/08/04 - 2015/08/23	University of Alberta (Canada)	<i>Visiting Professor</i>
2014/06/19 - 2014/07/13	University of Alberta (Canada)	<i>Visiting Professor</i>
2013 July (1 month)	University of Alberta (Canada)	<i>Visiting Professor</i>
2012 Aug (1 month)	University of Alberta (Canada)	<i>Research Associate</i>
2010 July (1 month)	University of Alberta (Canada)	<i>Research Associate</i>
2009 July (1 month)	University of Alberta (Canada)	<i>Research Associate</i>
2008 May (1 month)	University of Alberta (Canada)	<i>Research Associate</i>
2007 July (1 month)	University of Alberta (Canada)	<i>Research Associate</i>
2006 Oct (1 month)	University of Alberta (Canada)	<i>Research Associate</i>
2006 May (1 month)	University of Alberta (Canada)	<i>Research Associate</i>

- Ernesto Spinelli has been invited by *Professor Sudarshan K. Sehgal* (University of Alberta) and partially supported by the inviting Institution via *NSERC of Canada*.

IV C - Visits at Foreign Institutions during the PhD Training

Period	Institution	Notes
2004/01/19 - 2004/01/31	University of Debrecen (Hungary)	Invited by <i>Professor A. Bovdi</i>
2004/10/25 - 2004/11/14	University of Debrecen (Hungary)	Invited by <i>Professor A. Bovdi</i>
2005/02/20 - 2005/03/06	University of Zaphorizhzhia (Ukraine)	Invited by <i>Professor A. Konovalov</i>

Part V - Teaching experience and Supervised Students

V A - Teaching Experience

Year	Institution	Lecture/Course
18/19	Università di Roma "La Sapienza"	- <i>Matematica Discreta</i> (48 h./6 CFU, SSD: MAT/02) - Course: <i>Matematica per le Applicazioni</i> (LM)
18/19	Università di Roma "La Sapienza"	- <i>Algebra I</i> (24 h./3 CFU, SSD: MAT/02) - Course: <i>Matematica</i> (LT)
17/18	Università di Roma "La Sapienza"	- <i>Matematica Discreta</i> (48 h./6 CFU, SSD: MAT/02) - Course: <i>Matematica per le Applicazioni</i> (LM)
17/18	Università di Roma "La Sapienza"	- <i>Algebra I</i> (28 h./3 CFU, SSD: MAT/02) - Course: <i>Matematica</i> (LT)
16/17	Università di Roma "La Sapienza"	- <i>Matematica Discreta</i> (48 h./6 CFU, SSD: MAT/02) - Course: <i>Matematica per le Applicazioni</i> (LM)
15/16	Università di Roma "La Sapienza"	- <i>Algebra I</i> (72 h./9 CFU, SSD: MAT/02) - Course: <i>Matematica</i> (LT)
14/15	Università di Roma "La Sapienza"	- <i>Algebra II</i> (72 h./9 CFU, SSD: MAT/02) - Course: <i>Matematica</i> (LT)
13/14	Università di Roma "La Sapienza"	- <i>Algebra I</i> (72 h./9CFU, SSD: MAT/02)

		- Course: <i>Matematica</i> (LT)
12/13	Università di Roma “La Sapienza”	- <i>Algebra I</i> (72 h./9CFU, SSD: MAT/02) - Course: <i>Matematica</i> (LT)
11/12	Università di Roma “La Sapienza”	- <i>Algebra I</i> (72 h./9CFU, SSD: MAT/02) - Course: <i>Matematica</i> (LT)
10/11	Università del Salento	- <i>Geometria e Algebra</i> (104 h./12 CFU, SSD: MAT/03) - Course: <i>Ingegneria dell'Informazione</i> (LT) - Position: <i>Contract Professor</i>
10/11	Università degli Studi di Bari	- <i>Matematica Discreta</i> (62 h./6 CFU, SSD: MAT/02) - Course: <i>Informatica e Comunicazione Digitale</i> (LT) - Position: <i>Contract Professor</i>
09/10	Università del Salento	- <i>Involutions in particular classes of algebras</i> (jointly with Gregory T. Lee) - Course: <i>PhD in Mathematics</i>
09/10	Università degli Studi di Bari	- <i>Matematica Discreta</i> (62 h./6 CFU, SSD: MAT/02) - Course: <i>Informatica e Comunicazione Digitale</i> (LT) - Position: <i>Contract Professor</i>
08/09	Università degli Studi di Bari	- <i>Matematica Discreta</i> (62 h./6 CFU, SSD: MAT/02) - Course: <i>Informatica e Comunicazione Digitale</i> (LT) - Position: <i>Contract Professor</i>

- In the A.Y. 04/05, 06/07, 07/08 and 09/10 Ernesto Spinelli collaborated for the courses of *Algebra I* and *II* at *Università del Salento*.

V B - Supervised Students

- Supervisor for the Bachelor's Degree (Laurea Triennale) Thesis in Mathematics at Università di Roma “La Sapienza” of

Student	Title	Date
B. Gori	<i>Algebre con identità polinomiali: il Teorema di Amitsur-Levitzki</i>	Sept 23, 2014
F.R. Novelli	<i>Anelli gruppalì con sole unità banali</i>	Oct 27, 2014
V. Rizzo	<i>La struttura dei Gruppi Hamiltoniani</i>	Dec 16, 2015
M. Remondi	<i>Ricoprimenti minimali di gruppi</i>	Sept 21, 2016
S. Gattola	<i>Limite superiore per le codimensioni di algebre PI</i>	Dec 13, 2016
E. Pascucci	<i>Sul Problema di Isomorfismo Modulare</i>	Oct 25, 2018
D. Stellati	<i>Esistenza di polinomi centrali per algebre di matrici</i>	Oct 25, 2018
M. Saccà	<i>Aspetti algebrici della Teoria dei Codici</i>	Dec 13, 2018

Part VI - Society memberships, Awards and Honors

Since Title

2008	INdAM-GNSAGA (<i>Gruppo Nazionale per le Strutture Algebriche Geometriche e Applicazioni</i>)
2011	UMI (<i>Unione Matematica Italiana</i>)

Part VII - Funding Information [grants as PI-principal investigator or I-investigator]

VII A - Grants as Principal Investigator

Year	Title	Program	Grant value
2017	<i>Identità Polinomiali e Metodi Combinatori in Strutture Algebriche e Geometriche</i>	Progetti d'Ateneo 2017 Università di Roma “La Sapienza”	4000

2016	<i>Identità Polinomiali e Metodi Combinatori in Strutture Algebriche e Geometriche</i>	Progetti d'Ateneo 2016 Università di Roma "La Sapienza"	5000
2015	<i>Identità Polinomiali e Metodi Combinatori in Strutture Algebriche e Geometriche</i>	Progetti d'Ateneo 2015 Università di Roma "La Sapienza"	4800
2014	<i>Identità Polinomiali e Metodi Combinatori in Strutture Algebriche e Geometriche</i>	Progetti d'Ateneo 2014 Università di Roma "La Sapienza"	7000
2013	<i>Identità Polinomiali e Metodi Combinatori in Strutture Algebriche e Geometriche</i>	Progetti d'Ateneo 2013 Università di Roma "La Sapienza"	2400
2012	<i>Identità Polinomiali e Metodi Combinatori in Strutture Algebriche e Geometriche</i>	Progetti d'Ateneo 2012 Università di Roma "La Sapienza"	7000

VII B - Participation in funded Research Projects

Year	Title	Program	PI	Y
2012	<i>Spazi di Moduli e Teoria di Lie</i>	PRIN 2012	C. De Concini (Roma "La Sapienza")	3
2012	<i>Prospettive in Teoria di Lie</i>	FIRB 2012	A. De Sole (Roma "La Sapienza")	3
2007	<i>Teoria dei Gruppi e Applicazioni</i>	PRIN 2007	F. Menegazzo (Padova)	2

VII C - Other Funds

Year	Title	Institution	Grant Value
2018	<i>Congressi Seminari Workshop</i>	Università di Roma "La Sapienza"	1750
2017	<i>FFABR</i>	MIUR	3000
2017	<i>Programma Professori Visitatori</i>	INdAM-GNSAGA	1900
2013	<i>Programma Professori Visitatori</i>	INdAM-GNSAGA	1800

Part VIII - Research Activities

Keywords	Brief Description
Polynomial Identities	<p>The research activity of Ernesto Spinelli is in the framework of <i>Non-Commutative Algebra</i> and deals with different features of the <i>Theory of Algebras Satisfying Polynomial Identities</i> and <i>Group Theory</i>. In particular, it mainly focuses on:</p> <p>a) the investigation of the ideals of identities of associative algebras equipped with a group grading or an involution and the classification of varieties according to the asymptotic behaviour of the sequence of the corresponding codimensions;</p> <p>b) the study of the Lie structure of group algebras FG and of the group identities of their groups of units under constraints on certain carefully chosen sets.</p> <p>In the sequel, we briefly highlight the principal questions and results.</p> <p>a) One of the the most powerful invariants in combinatorial PI-Theory in characteristic zero is given by the sequence of <i>codimensions</i> of an associative algebra, introduced by Regev, whose n-th term is the dimension of the space of multilinear polynomials in n variables in the corresponding relatively free algebra of countable rank. A key contribution of Giambruno and Zaicev, who solved a conjecture of Amitsur, shows that for a PI-algebra the exponential growth of this sequence is an integer, called the <i>exponent</i> of the algebra. Its main advantage lies in providing an integral scale allowing us to measure the growth of any variety, and in a natural way it has addressed the research towards a classification of varieties according to the asymptotic behaviour of their codimensions. In recent decades the same approach has been applied to study the corresponding polynomial identities of different classes of algebras, such as non-associative algebras, group graded algebras, group acted algebras and algebras with involution. In this direction, part of the work of Spinelli has dealt with the characterization of <i>minimal varieties</i> of PI-algebras, endowed with an additional structure, of fixed corresponding exponent (namely those varieties of corresponding exponent d such that every proper subvariety has exponent strictly less than d). In the affine case, this is done for graded algebras</p>
Codimensions Growth and Exponent	
Minimal Varieties	
Graded Algebras	
Algebras with involutions	
Group Algebras	
Lie Structure	
Group of Units	
Group Identities	
Restricted Lie Algebras	

when the grading is induced by a group of prime order (in particular, in the relevant case of superalgebras), for algebras with involution and *-superalgebras. Along the way, different related questions, such as which classes of non-simple algebras are identified up to isomorphism by the corresponding polynomial identities they satisfy and the analysis of the factorization property for the ideal of identities of subalgebras of upper block triangular matrix algebras, have also been taken into consideration.

b) In a group algebras framework, the behaviour of G (and hence the algebraic structure of FG) under certain natural conditions on the sets of skew-symmetric and symmetric elements or symmetric and unitary units (with respect to an involution) has been studied. This principally has focused on the Lie structure of FG (Lie nilpotency, solvability and Engel conditions) and its influence on the unit group $U(FG)$ and its corresponding group identities. Computational aspects dealing with the arithmetic of FG and $U(FG)$ have been examined as well.

Other research topics of interest include:

- Restricted Lie algebras and Lie properties of their restricted universal enveloping algebras;
- Dimension and Lie dimension subgroups; polynomial ideals in group rings and corresponding subgroups.

Part IX - Summary of Scientific Achievements and List of Publications

IX A - Summary of Scientific Achievements

- Bibliographic data at February 5, 2019 from Web of Science, SCOPUS and MathSciNet are reported.

Product type	Number	Data Base	Start
Papers [international and peer-reviewed]	31	Web of Science	2004
	33	SCOPUS	2004
	35	MathSciNet	2004
Conference Proceedings [international and peer-reviewed]	3	Web of Science - MathSciNet	2009
Editorials	1	Web of Science - SCOPUS	2016
Total Citations	138	Web of Science	
	117	SCOPUS	
	126	MathSciNet	
Hirsch (H) index	6	Web of Science - MathSciNet	
	5	SCOPUS	
Total Impact factor	14,28 (28 items)		
Average Citations per Year (from Web of Science)	9,2		
Average Citations per Product (from Web of Science)	3,94		

IX B - Publications in international peer-reviewed journals

- Number of citations at February 5, 2019 from Web of Science (WoS), SCOPUS and MathSciNet are reported.

1	T. Juhasz - G.T. Lee - S.K. Sehgal - E. Spinelli: <i>On the lower bound of the derived length of the unit group of a nontorsion group algebra</i> . <i>Algebr. Represent. Theory</i> , accepted for publication.
2	O.M. Di Vincenzo - V.R.T. da Silva - E. Spinelli: <i>Minimal superalgebras generating minimal supervarieties</i> . <i>Math. Z.</i> 288 (2018), 383-400 (Cited in SCOPUS: 1).

3	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Bounded Engel and solvable unitary units in group rings</i> . J. Algebra 501 (2018), 225-232.
4	O.M. Di Vincenzo - V.R.T. da Silva - E. Spinelli: <i>Minimal supervarieties with factorable ideal of graded polynomial identities</i> . J. Pure Appl. Algebra 220 (2016), 1316-1330 (Cited in WoS: 2; SCOPUS: 2; MathSciNet: 1).
5	G.T. Lee - E. Spinelli: <i>Group rings whose skew elements are bounded Lie Engel</i> . J. Pure Appl. Algebra 219 (2015), 3181-3194 (Cited in WoS: 2; MathSciNet: 2).
6	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Lie identities on skew elements in group algebras</i> . Providence, RI: American Mathematical Society (AMS). Contemporary Mathematics 652 (2015), 103-121 (Cited in WoS: 1; MathSciNet: 1).
7	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Free groups with involution satisfying a *-group identity</i> . Arch. Math. (Basel) 104 (2015), 509-512.
8	O.M. Di Vincenzo - E. Spinelli: <i>Graded polynomial identities on upper block triangular matrix algebras</i> . J. Algebra 415 (2014), 50-64 (Cited in WoS: 4; SCOPUS: 4; MathSciNet: 2).
9	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Group rings whose unitary units are nilpotent</i> . J. Algebra 410 (2014), 343-354 (Cited in WoS: 3; SCOPUS: 3; MathSciNet: 3).
10	F. Catino - G.T. Lee - E. Spinelli: <i>Group algebras whose symmetric elements are Lie metabelian</i> . Forum Math. 26 (2014), 1459-1471 (Cited in WoS: 5; SCOPUS: 4; MathSciNet: 7).
11	G.T. Lee - E. Spinelli: <i>Lie metabelian skew elements in group rings</i> . Glasg. Math. J. 56 (2014), 187-195 (Cited in WoS: 3; SCOPUS: 1; MathSciNet: 3).
12	O.M. Di Vincenzo - E. Spinelli: <i>On some minimal supervarieties of exponential growth</i> . J. Algebra 368 (2012), 182-198 (Cited in WoS: 5; SCOPUS: 5; MathSciNet: 4).
13	F. Catino - R. Rizzo - E. Spinelli: <i>Lie identities for skew and symmetric elements of semiprime superalgebras with superinvolution</i> . J. Algebra 368 (2012), 199-208 (Cited in WoS: 1; SCOPUS: 1; MathSciNet: 1).
14	O.M. Di Vincenzo - E. Spinelli: <i>A characterization of *-minimal algebras with involution</i> . Israel J. Math. 186 (2011), 381-400 (Cited in WoS: 4; SCOPUS: 4; MathSciNet: 4).
15	F. Catino - G.T. Lee - E. Spinelli: <i>The bounded Lie Engel property on torsion group algebras</i> . J. Pure Appl. Algebra 215 (2011), 2639-2644 (Cited in WoS: 4; SCOPUS: 2; MathSciNet: 3).
16	O.M. Di Vincenzo - E. Spinelli: <i>On the *-minimality of algebras with involution</i> . J. Algebra 323 (2010), 121-131 (Cited in WoS: 2; SCOPUS: 2; MathSciNet: 3).
17	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Nilpotency of group ring units symmetric with respect to an involution</i> . J. Pure Appl. Algebra 214 (2010), 1592-1597 (Cited in WoS: 6; SCOPUS: 3; MathSciNet: 3).
18	F. Catino - S. Siciliano - E. Spinelli: <i>Restricted enveloping algebras with minimal Lie derived length</i> . Algebr. Represent. Theory 13 (2010), 653-660 (Cited in WoS: 2; SCOPUS: 1; MathSciNet: 2).
19	F. Catino - E. Spinelli: <i>On the derived length of the unit group of a group algebra</i> . J. Group Theory 13 (2010), 577-588 (Cited in WoS: 4; SCOPUS: 4; MathSciNet: 3).
20	G.T. Lee - E. Spinelli: <i>Group rings whose symmetric units generate an n-Engel group</i> . Comm. Algebra 38 (2010), 4056-4062.
21	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Group algebras whose symmetric and skew elements are Lie solvable</i> . Forum Math. 21 (2009), 661-671 (Cited in WoS: 17; SCOPUS: 14; MathSciNet: 16).
22	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Lie properties of symmetric elements in group rings II</i> . J. Pure Appl. Algebra 213 (2009), 1173-1178 (Cited in WoS: 18; SCOPUS: 14; MathSciNet: 15).
23	O.M. Di Vincenzo - E. Spinelli: <i>Some results on *-minimal algebras with involution</i> . Providence, RI: American Mathematical Society (AMS). Contemporary Mathematics 499 (2009), 75-87 (Cited in WoS: 1; MathSciNet: 2).
24	G.T. Lee - E. Spinelli: <i>Group rings whose symmetric units are solvable</i> . Comm. Algebra 37 (2009), 1604-1618 (Cited in WoS: 7; SCOPUS: 5; MathSciNet: 6).
25	E. Spinelli: <i>Lie dimension subgroups and central series related to group algebras</i> . Algebra Colloq. 16 (2009), 427-436.
26	E. Spinelli: <i>Group algebras with minimal Lie derived length</i> . J. Algebra 320 (2008), 1908-1913 (Cited in WoS: 5; SCOPUS: 5; MathSciNet: 4).

27	E. Spinelli: <i>Group algebras with minimal strong Lie derived length</i> . <i>Canad. Math. Bull.</i> 51 (2008), 291-297 (Cited in WoS: 2; SCOPUS: 2; MathSciNet: 2).
28	F. Catino - S. Siciliano - E. Spinelli: <i>A note on the nilpotency class of the unit group of a modular group algebra</i> . <i>Math. Proc. R. Ir. Acad.</i> 108 (2008), 65-68 (Cited in MathSciNet: 2).
29	F. Catino - E. Spinelli: <i>A note on strong Lie derived length of group algebras</i> . <i>Boll. Unione Mat. Ital. Sez. B Artic. Ric. Mat.</i> 10 (2007), 83-86 (Cited in SCOPUS: 1; MathSciNet: 2).
30	F. Catino - E. Spinelli: <i>Lie nilpotent group algebras and upper Lie codimension subgroups</i> . <i>Comm. Algebra</i> 34 (2006), 3859-3873 (Cited in WoS: 1; SCOPUS: 1; MathSciNet: 2).
31	V. Bovdi - T. Juhasz - E. Spinelli: <i>Modular group algebras with almost maximal Lie nilpotency indices</i> . <i>Algebr. Represent. Theory</i> 9 (2006), 259-266 (Cited in WoS: 9; SCOPUS: 9; MathSciNet: 6).
32	S. Siciliano - E. Spinelli: <i>Lie nilpotency indices of restricted universal enveloping algebras</i> . <i>Comm. Algebra</i> 34 (2006), 151-157 (Cited in WoS: 5; SCOPUS: 4; MathSciNet: 5).
33	S. Siciliano - E. Spinelli: <i>Lie metabelian restricted universal enveloping algebras</i> . <i>Arch. Math. (Basel)</i> 84 (2005), 398-405 (Cited in WoS: 6; SCOPUS: 5; MathSciNet: 7).
34	E. Spinelli: <i>Group algebras with almost maximal Lie nilpotency index</i> . <i>Rend. Circ. Mat. Palermo</i> 54 (2005), 352-358.
35	V. Bovdi - E. Spinelli: <i>Modular group algebras with maximal Lie nilpotency indices</i> . <i>Publ. Math. Debrecen</i> 65 (2004), 243-252 (Cited in WoS: 17; SCOPUS: 18; MathSciNet: 12).

IX C - Other Publications (PhD Thesis, Proceedings of Conferences, Submitted Papers)

36	E. Spinelli: <i>Lie properties of modular group algebras and restricted universal enveloping algebras</i> . PhD Thesis, Dipartimento di Matematica "E. De Giorgi", Università degli Studi di Lecce (2005).
37	E. Spinelli: <i>Lie solvable group algebras and solvable unit group</i> . Contribution in Report 55/2007: Arithmetik von Gruppenringen (Nov 25th - Dec 1st, 2007), Oberwolfach Rep. 4 (2007), 3221-3222 & 3237.
38	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Problems on skew and symmetric elements in group rings</i> . Avitabile, Marina (ed.) et al., Lie algebras and related topics. Workshop on Lie algebras, in honor of Helmut Strade's 70th birthday, Università degli Studi di Milano-Bicocca, Milano, Italy, May 22-24, 2013. Providence, RI: American Mathematical Society (AMS). <i>Contemporary Mathematics</i> 652 (2015), 231-233.
39	O.M. Di Vincenzo - E. Spinelli: <i>Minimal varieties of PI associative (super)-algebras with respect to their (graded) exponent</i> . Invited contribution for the Proceedings of the International Conference "Groups, Rings and Group Rings 2014". <i>Sao Paulo J. Math. Sci.</i> 10 (2016), 248-262 (Cited in WoS:1; MathSciNet: 1).
40	F. Catino - M.M. Miccoli - E. Spinelli: <i>Solvable rings</i> . Invited contribution in honour of Prof. J. Szep. <i>Pure Math. Appl.</i> 16 (2005), 125-144 (Cited in MathSciNet: 1).
41	O.M. Di Vincenzo - V.R.T. da Silva - E. Spinelli: <i>A characterization of minimal varieties of Z_p-graded PI algebras</i> . Submitted to an international peer-reviewed journal.

Part X - Selected Publications

- IF and number of citations at February 5, 2019 from Web of Science (WoS), SCOPUS and MathSciNet are reported (where available).

1	O.M. Di Vincenzo - V.R.T. da Silva - E. Spinelli: <i>Minimal superalgebras generating minimal supervarieties</i> . <i>Math. Z.</i> 288 (2018), 383-400 (Cited in SCOPUS: 1).
2	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Bounded Engel and solvable unitary units in group rings</i> . <i>J. Algebra</i> 501 (2018), 225-232.
3	O.M. Di Vincenzo - V.R.T. da Silva - E. Spinelli: <i>Minimal supervarieties with factorable ideal of graded polynomial identities</i> . <i>J. Pure Appl. Algebra</i> 220 (2016), 1316-1330 (IF: 0,652. Cited in WoS: 2; SCOPUS: 2; MathSciNet: 1).
4	G.T. Lee - E. Spinelli: <i>Group rings whose skew elements are bounded Lie Engel</i> . <i>J. Pure Appl. Algebra</i> 219 (2015), 3181-3194 (IF: 0,669. Cited in WoS: 2; MathSciNet: 2).
5	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Lie identities on skew elements in group algebras</i> . Providence, RI:

	American Mathematical Society (AMS). <i>Contemporary Mathematics</i> 652 (2015), 103-121 (Cited in WoS: 1; MathSciNet: 1).
6	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Free groups with involution satisfying a *-group identity</i> . <i>Arch. Math. (Basel)</i> 104 (2015), 509-512 (IF: 0,462).
7	O.M. Di Vincenzo - E. Spinelli: <i>Graded polynomial identities on upper block triangular matrix algebras</i> . <i>J. Algebra</i> 415 (2014), 50-64 (IF: 0,599. Cited in WoS: 4; SCOPUS: 4; MathSciNet: 2).
8	G.T. Lee - S.K. Sehgal - E. Spinelli: <i>Group rings whose unitary units are nilpotent</i> . <i>J. Algebra</i> 410 (2014), 343-354 (IF: 0,599. Cited in WoS: 3; SCOPUS: 3; MathSciNet: 3).
9	F. Catino - G.T. Lee - E. Spinelli: <i>Group algebras whose symmetric elements are Lie metabelian</i> . <i>Forum Math.</i> 26 (2014), 1459-1471 (IF: 0,962. Cited in WoS: 5; SCOPUS: 4; MathSciNet: 7).
10	G.T. Lee - E. Spinelli: <i>Lie metabelian skew elements in group rings</i> . <i>Glasg. Math. J.</i> 56 (2014), 187-195 (IF: 0,331. Cited in WoS: 3; SCOPUS: 1; MathSciNet: 3).
11	O.M. Di Vincenzo - E. Spinelli: <i>Minimal varieties of PI associative (super)-algebras with respect to their (graded) exponent</i> . Invited (peer-reviewed) contribution for the Proceedings of the International Conference "Groups, Rings and Group Rings 2014". <i>Sao Paulo J. Math. Sci.</i> 10 (2016), 248-262 (Cited in WoS: 1; MathSciNet: 1).

Part XI - Talks, Seminar Presentations and Attended Conferences

XI A - Talks as Invited/Main Speaker and Invited Seminar Presentations

1	<i>Lie solvable group algebras and solvable unit group</i> . Miniworkshop "Arithmetik von Gruppenringen". Mathematisches Forschungsinstitut Oberwolfach (Germany), November 25 - December 1, 2007. <i>Invited talk. Invited upon suggestion of the organizers. The workshop was open at 16 participants.</i>
2	<i>Lie properties of symmetric and skew elements of a group algebra</i> . Workshop "Bicocca-Workshop on Lie Algebras 2011". Milano (Italy), May 16-18, 2011. <i>Main Speaker.</i>
3	<i>On the Lie subalgebra of skew elements of a group algebra</i> . Workshop "Bicocca-Workshop on Lie Algebras 2013". Milano (Italy), May 22-24, 2013. <i>Main Speaker.</i>
4	<i>Group identities for unitary units of group rings</i> . International Conference "Groups, Rings and the Yang-Baxter equation". Spa (Belgium), June 18-24, 2017. <i>Invited Speaker.</i>
5	<i>Minimal varieties of graded PI algebras</i> . International Conference "Advances in Group Theory and Applications 2017". Lecce (Italy), September 5-8, 2017. <i>Invited Speaker.</i>
6	<i>A note on group algebras of 2-groups of almost maximal class</i> . University of Debrecen (Hungary), January 22, 2003.
7	<i>Modular group algebras with maximal Lie nilpotency indices</i> . University of Oradea (Romania), November 3, 2004.
8	<i>Lie properties of group rings and restricted universal enveloping algebras</i> . Informatic and Mathematical Institute of Nyiregyhaza (Hungary), November 9, 2004.
9	<i>Upper Lie codimension subgroups</i> . University of Zaporizhzhia (Ukraine), February 23, 2005.
10	<i>On some Lie properties of restricted universal enveloping algebras</i> . University of Zaporizhzhia (Ukraine), March 3, 2005.
11	<i>Algebre gruppali Lie risolubili</i> . University of Bari (Italy), November 20, 2007.
12	<i>Algebre gruppali le cui unità simmetriche sono risolubili</i> . University of Bari (Italy), November 21, 2007.
13	<i>Identità polinomiali in algebre con involuzione: algebre gruppali e algebre *-minimali</i> . University of Rome "La Sapienza" (Italy), July 19, 2011.
14	<i>Lie identities for skew and symmetric elements of group algebras</i> . National University of Ireland in Galway (Ireland), October 18, 2012.
15	<i>Algebre gruppali le cui unità soddisfano identità gruppali</i> . University of Naples "Federico II" (Italy), February 26, 2014.
16	<i>Crescita delle codimensioni in algebre PI</i> . University of Salento (Italy), January 8, 2016.
17	<i>Varietà minimali di PI algebre graduate</i> . University of Naples "Federico II" (Italy), March 10, 2017.

18	<i>Codimension growth and minimal varieties</i> . University of Rome “Tor Vergata” (Italy), May 25, 2018.
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XI B - Other Talks

19	<i>Sulle algebre gruppali Lie nilpotenti</i> . Workshop “Teoria dei Gruppi e Applicazioni”. Udine (Italy), November 19-22, 2003.
20	<i>Modular group algebras with maximal lower Lie-nilpotency indices</i> . International Conference “Ischia Group Theory 2004”. Ischia (Italy), March 31 - April 3, 2004.
21	<i>Lie properties of group rings</i> . Workshop “Algebra e Informatica Teorica III”. Siena (Italy), July 6-7, 2004.
22	<i>Algebre gruppali Lie nilpotenti</i> . Workshop “Teoria dei Gruppi e Applicazioni”. Naples (Italy), November 25-27, 2004.
23	<i>Lie nilpotent group algebras and central series</i> . Workshop “Lie Algebras, their Classification and Applications”. Trento (Italy), July 25-27, 2005.
24	<i>Algebre gruppali con lunghezza derivata forte di Lie minimale</i> . Workshop “Teoria dei Gruppi e Applicazioni”. Padua (Italy), September 27-29, 2006.
25	<i>The Lie structure of a modular group algebra and its unit group</i> . International Conference “Advances in Group Theory and Applications 2007”. Otranto (Italy), June 4-8, 2007.
26	<i>Lie solvable group algebras</i> . International Conference “Algebraic and combinatorial methods in concrete classes of algebras and groups”. Alden-Biesen (Belgium), September 2-7, 2007.
27	<i>Algebre gruppali le cui unità simmetriche sono risolubili</i> . Workshop “Teoria dei Gruppi e Applicazioni”. Florence (Italy), December 12-14, 2007.
28	<i>On the *-minimality of algebras with involution</i> . International Conference “Rings and modules”. Lisbon (Portugal), September 15-19, 2008.
29	<i>Proprietà di Lie di elementi simmetrici ed obliqui di un'algebra gruppale</i> . Workshop “Algebra e Informatica Teorica IV”. Siena (Italy), September 22, 2008.
30	<i>Minimal algebras with respect to their *-exponent</i> . International Conference “Advances in Group Theory and Applications 2009”. Porto Cesareo (Italy), June 8-12, 2009.
31	<i>Nilpotency of group ring units symmetric with respect to an involution</i> . International Conference “Arithmetic of group rings and related structures”. Aachen (Germany), March 22-26, 2010.
32	<i>Group identities for symmetric units of group algebras</i> . International Conference “Ischia Group Theory 2010”. Ischia (Italy), April 14-17, 2010.
33	<i>On some minimal supervarieties of exponential growth</i> . International Conference “Group Rings and Related Topics”. Stuttgart (Germany), June 25-29, 2012.

XI C - Other Attended Conferences

1	School of Algebra “Zeta functions of groups”. Trento (Italy), June 3-7, 2002.
2	Workshop “Teoria dei Gruppi e Applicazioni”. Ischia (Italy), October 22-25, 2002.
3	X International Conference “Groups and group rings”. Ustron (Poland), June 10-14, 2003.
4	Workshop “Omaggio a Guido Zappa”. Florence (Italy), December 9, 2005.
5	International Conference “Ischia Group Theory 2006”. Ischia (Italy), March 29 - April 1, 2006.
6	School of Algebra “Perspectives in rings and algebras”. Murcia (Spain), June 29 - July 1, 2006.
7	International Conference “Ischia Group Theory 2012”. Ischia (Italy), March 27-29, 2012.
8	International Conference “Naples 2015 Conference in Group Theory and its Applications”. Naples (Italy), October 7-8, 2015.
9	Meeting “Groups and Topological Groups 2015”. Salerno (Italy), November 20-21, 2015.

Part XII - Organizing Activity

XII A - Member of the Scientific Committee of International Conferences

Name	Place and Date
<i>Advances in Group Theory and Applications 2015</i>	Porto Cesareo (Italy), June 16-19, 2015

XII B - Member of the Organizing Committee of International Conferences

Name	Place and Date
<i>Advances in Group Theory and Applications 2007</i>	Otranto (Italy), June 4-7, 2007
<i>Advances in Group Theory and Applications 2009</i>	Porto Cesareo (Italy), June 8-12, 2009
<i>Advances in Group Theory and Applications 2011</i>	Porto Cesareo (Italy), June 7-10, 2011
<i>Advances in Group Theory and Applications 2013</i>	Porto Cesareo (Italy), June 10-14, 2013
<i>Workshop INdAM - Polynomial Identities in Algebras</i>	Rome (Italy), September 16-20, 2019

Part XIII - Evaluation Activity

- Referee for MIUR of Italy for the evaluation of applications for the call *SIR 2014*.

Part XIV - Board of the Examiners for Doctoral Dissertations

- Member of the Board of the Examiners for the Doctoral Dissertations at

Institute	Students	Date
Università di Napoli "Federico II"	1. Dr. Maria Martusciello 2. Dr. Caterina Rainone	July 17, 2014
Università di Catania	1. Dr. Maria Vittoria Cuzzupè 2. Dr. Antonio Ioppolo	March 23, 2017
Università di Napoli "Federico II"	1. Dr. Mattia Brescia 2. Dr. Roberto Ialenti 3. Dr. Marco Trombetti	April 28, 2017
Università del Salento	1. Dr. Ilaria Colazzo	July 20, 2017

- Referee for the Thesis submitted for the Phd degree at

Institute	Students	Date
Università di Catania	Dr. Carla Rizzo	September 2018

Part XV - Refereeing and Reviewing

- Referee for several ISI journals reviewed by Zentralblatt MATH and MathSciNet among which: *Journal of Algebra*, *Forum Mathematicum*, *Finite Fields and Their Applications*, *Journal of Pure and Applied Algebra*, *Journal of Algebra and Its Applications*, *Communications in Algebra*, *Rocky Mountain Journal of Mathematics*, *Bollettino dell'Unione Matematica Italiana*, *Publicationes Mathematicae Debrecen*.

- Reviewer for Zentralblatt MATH and Mathematical Reviews.

DATA 5/21/2019

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