



Sudarshan Kumar Sehgal

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Research Interests

The group ring KG of a group G over a commutative ring K is an attractive object of study. Here, group theory, ring theory, commutative algebra and number theory come together in a fruitful way. There are many research problems with varying degrees of difficulty.

Professional History

- 2001- Professor Emeritus, University of Alberta
- 1986 McCalla Professor, University of Alberta
- 1973-2001 Professor of Mathematics, Department of Mathematics, University of Alberta
- 1968-1972 Associate Professor, Department of Mathematics, University of Alberta
- 1967-1968 Professional Associate, Department of Mathematics, University of Alberta
- 1966-1967 Associate Professor, Department of Mathematics, Ohio State University
- 1964-1966 Assistant Professor, Department of Mathematics, Ohio State University
- 1963-1964 Lecturer, Department of Mathematics, Punjab University, India
- 1962-1963 Assistant Professor, Department of Mathematics, University of Notre Dame

Major Offices Held

- 1986-1988 Member Research Committee, Canadian Mathematical Society
- 1976-1979 Member NRC Grant Selection Committee for Pure and Applied Mathematics

Editorial Boards

1990-1996	Associate Editor Canadian Journal of Maths Associate Editor Bulletin Canadian Math. Soc.
2001-2016	Associate Editor Journal of Algebra and its applications
2005-	Associate Editor Communications in Algebra

Honours and Awards

1986-1987	McCalla Professor, University of Alberta
1968 & 1973	Fellowship of the Alexander von Humboldt Foundation
1990	DFG Gast Professor Ruhr Universitat, Bochum

Graduate Students Supervised

Degree	Name of Student	Year Degree Completed
M.Sc.	Ian Gorman	1971
Ph.D.	M. Parmenter	1972
M.Sc.	B. Giles	1981
M.Sc.	S. Kmet	1985
Ph.D.	N. Fernandes	1986
M.Sc.	J. Kmet	1989
Ph.D.	D. Riley	1991
Ph.D.	G. Lee	2000
M.Sc.	Ben Baird	2003

Post-Doctoral Students

F. Roehl	Hamburg University
J. Goncalves	University of Sao Paulo
E. Kleinert	Universtiy of Cologne
M. Dokuchaev	University of Sao Paulo
O. Nisse	University of Augsburg
Y. Li	University of Newfoundland
E. Spinelli	University of Lecce
T. Petit Lobao	University Fedral de Bahia

Invited Talks

Conferences

- Canadian Math. Soc., St. John's, Newfoundland, Principal Speaker
- Canadian Math. Soc., Group Theory Session, Saskatoon, Saskatchewan
- Canadian Math. Soc., Number Theory Session, Edmonton, Alberta
- First Canadian Number Theory Conference, Banff, Alberta
- Canadian Math. Soc., Group algebra Session, Windsor, Ontario
- American Math. Soc., Ring Theory Session, Salt Lake City
- American Math. Soc., Group Theory Session, Columbus, Ohio
- American Math. Soc., Group Rings Session, Washington, D.C.
- Math. Forschungs Institut, Oberwolfach, West Germany
- Nato Institute of Methods in Ring Theory, Antwerp, Belgium
- Escola de algebra VII, Campinas, Brazil
- Escola de algebra IX, Brazilia, Brazil
- Dennison Conference, Ring Theory Session, Dennison, Ohio
- First International Symposium on Number Theory and Algebra, Hong Kong

- Algebra Day, Carleton University, Ottawa
- Third International Conference in Group Theory, Debrecen, Hungary
- Third Conference of Western Canadian Algebraists, Kananaskis, Alberta
- Canadian Math. Soc., St. John's Newfoundland, Session on Ring Theory, Main Speaker

Universities

- University of Calgary, Calgary, Alberta
- University of Manitoba, Winnipeg, Manitoba
- Memorial University of Newfoundland, St. John's, Newfoundland
- Ohio State University, Columbus, Ohio
- University of Wisconsin, Madison, Wisconsin
- University of Wisconsin, Parkside, Wisconsin
- University of Alabama, Tuscaloosa, Alabama
- University of Heidelberg, Heidelberg, West Germany
- University of Augsburg, Augsburg, West Germany
- Punjab University, Chandigarh, India
- I.I.T., New Delhi, India
- University of Sao Paulo, Sao Paulo, Brazil
- University of Brazilia, Brazil
- Federal University of Rio de Janeiro, Brazil
- I.M.P.A., Rio de Janeiro, Brazil
- University of Palermo, Italy
- University of Naples, Italy
- University of Trento, Italy
- Ruhr Universitat, Bochum, Germany

University of Milan, Italy
University of Dortmund, Germany
University of Aachen, Germany
Oxford University, England
Manchester University, England
Imperial College, London, England
Academy of Sciences, Budapest, Hungary
University of Debrecen, Hungary
Uzhgorod State University, Ukraine
Math. Research Institute, Barcelona, Spain
University of Warsaw
University College Galway
University of Colorado
Federal Universidad, Rio de Janeiro, Brazil
Math. Forschung's Institut, Oberwolfach, Germany
University of Sao Paulo, Brazil

Publication List

1. On P. Hall's generalization of a theorem of Frobenius. *Proc. Glasgow Math. Assoc.* **5** (1962): 97-100.
2. Ringoids with minimum condition. *Math. Z.* **83** (1964): 395-408.
3. [On the isomorphism of group algebras. *Math. Z.* **95**\(1967\): 71-75.](#)
4. [On the isomorphism of integral groups rings, I. *Canad J. Math.* **21** \(1969\): 410-413.](#)
5. [On the isomorphism of integral groups rings, II. *Canad. J. Math.* **21** \(1969\): 1182-1188.](#)
6. [Units in commutative integral group rings. *Math. J. Okayama Univ.* **14** \(1970\): 135-138.](#)
7. [Isomorphism of p-adic group rings. *J. Number Theory.* **2** \(1970\): 500-508.](#)
8. [On class sums in p-adic group rings. *Canad J. Math.* **23** \(1971\): 541-543.](#)
9. [\(with I.B.S. Passi\). Isomorphism of modular group algebras. *Math. Z.* **129** \(1972\): 65-73.](#)

10. [\(with P. Dubois\). Another proof of the invariance of Ulm's functions in commutative modular group rings. *Math. J. Okayama Univ.* **15** \(1972\): 137-139.](#)
11. Lie properties in modular group algebras. *Proc. Conference on group rings and related topics*, O.S.U. (1972): Springer-Verlag.
12. [\(with M. Parmenter and I.B.S. Passi\). Polynomial ideals in group rings. *Canad. J. Math.* **25** \(1973\): 1174-1182.](#)
13. [\(with M. Parmenter\). Uniqueness of the coefficient ring in some group rings. *Canad Math. Bull* **16** \(1973\): 551-555.](#)
14. [\(with M. Parmenter\). Idempotent elements and ideals in group rings and the intersection theorem. *Arch. Math.* **24** \(1973\): 586-600.](#)
15. [\(with I.B.S. Passi\). Lie dimension subgroups. *Comm. Algebra* **3** \(1975\): 59-73.](#)
16. [Certain algebraic elements in group rings. *Arch. Math.* **26** \(1975\): 139-143.](#)
17. [Nilpotent elements in group rings. *Manuscripta Math.* **15** \(1975\): 65-80.](#)
18. [\(with M. Parmenter\). Non Archimedean group algebras. *J. Number Theory* **7** \(1975\): 376-384.](#)
19. [\(with J.L. Fisher\). Principal ideal group rings. *Comm. Algebra* **4** \(1976\): 319-325.](#)
20. [\(with J.L. Fisher and M. Parmenter\). Group rings with solvable n-Engel unit groups. *Proc. Amer. Math. Soc.* **59** \(1976\): 195-200.](#)
21. [\(with H.J. Zassenhaus\). Integral group rings with nilpotent unit groups. *Comm. Algebra* **5** \(1977\): 101-111.](#)
22. [\(with H.J. Zassenhaus\). Group rings without nontrivial idempotents. *Arch. Math.* **28** \(1977\): 378-380.](#)
23. [\(with G. Cliff\). On the trace of an idempotent in group rings. *Proc. Amer. Math. Soc.* **62** \(1977\): 11-14.](#)
24. [\(with H.J. Zassenhaus\). Group rings whose units form an F.C. group. *Math. Zeit.* **153** \(1977\): 29-35.](#)
25. [\(with G. Cliff\). Group rings whose units form an FC-group. *Math. Z.* **161** \(1978\): 163-168.](#)

26. [\(with G. Cliff\). Groups which are normal in the unit groups of their group rings. *Arch. Math.* **33** \(1979\): 529-537.](#)
27. [\(with J. Ritter\). Group rings of metabelian groups. *Comm. Algebra* **10** \(1980\): 941-951.](#)
28. (with H. Zassenhaus). On the supercentre of a group and its ring theoretic generalization. *Integral Representations and Applications, Proc. Oberwolfach* (1980): 117-144.
29. [\(with G. Cliff\). Group rings with units torsion over the center. *Manuscripta Math.***33** \(1980\): 145-158.](#)
30. [\(with C. Polcino Milies\). FC-elements in a group ring. *Comm. Algebra* **12** \(1981\): 1285-1293.](#)
31. [\(with G. Cliff and A. Weiss\). Units of integral group rings of metabelian groups. *J. Algebra* **73** \(1981\): 167-185.](#)
32. [\(with J. Ritter\). Integral group rings of some p-groups. *Canad. J. Math.* **34** \(1982\): 233-246.](#)
33. [\(with J. Ritter\). Isomorphism of group rings. *Arch. Math.* **40** \(1983\): 32-39.](#)
34. Units of integral group rings. *Proc. 7th Brazilian School of Algebra* (11 typed pages).
35. [Torsion units in integral group rings. Proc. Nato Inst. on Methods in Ring Theory, Antwerp \(1983\): D. Riedel, 497-504.](#)
36. [\(with J. Ritter\). On a conjecture of Zassenhaus on torsion units in integral group rings. *Math. Ann.* **264** \(1983\): 257-270.](#)
37. [\(with C. Polcino Milies\). Torsion units in integral group rings of metacyclic groups. *J. Number Theory* **19** \(1984\): 103-114.](#)
38. [\(with Surinder Sehgal and Hans Zassenhaus\). Isomorphism of integral group rings of abelian by nilpotent class two groups. *Comm. Algebra* **12** \(19\) \(1984\): 2401-2407.](#)
39. [\(with S. Kmet\). Some isomorphism invariants of integral group rings. *Rocky Mtn. J. Math.***15** \(1985\): 451-458.](#)
40. [\(with F. Levin\). On Lie nilpotent group rings. *J. Pure and Appl. Alg.* **37** \(1985\): 33-39.](#)

41. (with K. Hoechsmann and A. Weiss). Cyclotomic units and the unit group of an abelian group ring. *Arch. Math.* **45** (1985): 5-7.
42. (with A. Weiss). Torsion units in integral group rings of some metabelian groups. *J. Algebra* **108** (1986): 490-499.
43. (with C. Polcino Milies and J. Ritter). On a conjecture of Zassenhaus on torsion units in integral group rings II. *Proc. Amer. Math. Soc.* **97** (1986): 201-206.
44. (with K. Hoechsmann). Units in regular elementary abelian group rings. *Arch. Math.* **47** (1986): 413-417.
45. On a theorem of G. Higman. *Proc. of the 9th School of Algebra, Brasilia*, (1986): 61-73.
46. (with K. Hoechsmann). Integral group rings without proper units. *Canad. Math. Bull.* **30** (1987): 36-42.
47. (with Z. Marciniak, J. Ritter and A. Weiss). Torsion units in integral group rings of some metabelian groups II. *J. Number Theory* **25** (1987): 340-352.
48. (with J. Ritter). Certain normal subgroups of units in group rings. *Jour. Reine Angew.* **381** (1987): 214-220.
49. (with K. Hoechsmann). Units in regular abelian p-group rings. *J. Number Theory* **30** (1988): 375-381.
50. (with J. Goncalves and J. Ritter). Subnormal subgroups in $U(ZG)$. *Proc. Amer. Math. Soc.* **103** (1989): 375-382.
51. (with A. Giambruno). A Lie property in group rings. *Proc. Amer. Math. Soc.* **105** (1989): 287-292.
52. (with A. Giambruno). On a polynomial identity for $n \times n$ matrices. *J. Algebra* **126** (1989): 451-453.
53. (with J. Ritter). Generators of subgroups of $U(ZG)$. *Contemporary Maths.* **93** (1989): 33 1-347.
54. (with J. Ritter). Construction of units in integral group rings of finite nilpotent groups. *Bull Amer. Math. Soc.* **20** (1989): 165-168.
55. (with A. Lichtman). The elements of finite order in the group of units of group rings of free products of groups. *Comm. Algebra* **17** (9) (1989): 2223-2253.

56. [\(with J. Ritter\). Integral group rings with trivial central units. *Proc. Amer. Math. Soc.* **108** \(1990\): 327-329.](#)
57. [Units of integral group rings - a survey. Proc. First Symposium in Algebra and Number Theory, Hong Kong. World Scientific \(1990\): 255-268.](#)
58. [\(with A. Giambruno and A. Valenti\). Automorphisms of the integral group ring of the hyperoctahedral group. *Comm. Algebra* **18** \(1990\): 1989-2005.](#)
59. [\(with J. Ritter\). Construction of units in integral group rings of finite nilpotent groups. *Trans. Amer. Math. Soc.* **324** \(1991\): 603-621.](#)
60. [\(with A. Bhandari\). An induction theorem for units of p-adic group rings. *Bull. Canad Math. Soc.* **34** \(1991\): 31-35.](#)
61. [\(with A. Giambruno and A. Valenti\). Automorphisms of the integral group rings of some wreath products. *Comm. Algebra* **19** \(1991\): 519-534.](#)
62. [\(with T. Hurley\). The Lie dimension subgroup conjecture. *J. Algebra* **143** \(1991\): 46-56.](#)
63. [\(with J. Ritter\). Construction of units in group rings of monomial and symmetric groups. *J. Algebra* **142** \(1991\): 511-526.](#)
64. [\(with A.A. Bovdi\). Unitary subgroups of integral group rings. *Manuscripta Math.* **76** \(1992\): 213-222.](#)
65. [\(with A. Giambruno\). Automorphisms of the integral group ring of the wreath product of a p-group with \$S_n\$. *Rocky Mountain J. Math.* **22** \(1992\): 1303-1316.](#)
66. [\(with A. Bovdi\). Unitary subgroups of integral group rings. *Publ. Mat.* **36** \(1992\): 197-204.](#)
67. [\(with K. Hoechsmann\). On a theorem of Bovdi. *Math. Debrecenes.* **41** \(1992\): 259-262.](#)
68. [Large groups of units of integral group rings of finite nilpotent groups. *Resenhas IME-USP* **1** \(1993\): 116-123.](#)
69. [\(with J. Ritter\). Units of group rings of solvable and Frobenius groups over large rings of cyclotomic integers. *J. Algebra* **158** \(1993\): 116-129.](#)

70. [\(with A. Zalesskii\). Multiplicities of irreducible components of restrictions of complex representations of finite groups to certain subgroups. *Comm. Algebra* **21** \(1993\): 37-51.](#)
71. [\(with M. Parmenter\). Automorphisms of the integral group ring of the wreath product of a p-group with \$S_n\$ in the case \$n=2\$. *Rocky Mountain J. Math.* **23** \(1993\): 1379-1383.](#)
72. [\(with F. Levin\). Units of the integral group rings of the infinite dihedral group. *Proceedings of the Special Session of the American Mathematical Society. World Scientific*, \(1993\) 57-68.](#)
73. [\(with A.E. Zalesskii\). Induced modules and some arithmetic invariants of the finitary symmetric groups. *Nova Journal of Algebra and Geometry***2** \(1993\): 89-105.](#)
74. [\(with A. Giambruno\). Lie nilpotence of group rings. *Comm. Algebra* **11** \(1994\): 4253-4261.](#)
75. [\(with A. Bovdi and Z. Marciniak\). Torsion units in infinite group rings. *J. of Number Theory* **47** \(1994\): 284-299.](#)
76. [\(with M.A. Dokuchaev\). Torsion units in integral group rings of solvable groups. *Comm. Algebra* **22** \(1994\): 5005-5020.](#)
77. [\(with A. Giambruno\). Generators of large subgroups of units of integral group rings of nilpotent groups. *J. Algebra* **174** \(1995\): 150-156.](#)
78. [\(with Z. Marciniak\). Hirsch induction and torsion units in group rings. *Archiv Math.* \(1995\): 374-384.](#)
79. [\(with Z. Marciniak\). Finite matrix groups over nilpotent group rings. *J. Algebra* **181** \(1996\): 565-583.](#)
80. [\(with V. Bovdi and L.G. Kovacs\). Symmetric units in modular group algebras. *Comm. Algebra* **24** \(1996\): 803-808.](#)
81. [\(with E. Jespers and M.M. Parmenter\). Central units of integral group rings of nilpotent groups. *Proc. Amer. Math. Soc.* **124** \(1996\): 1007-1012.](#)
82. [\(with T.C. Hurley\). The modular Fox subgroups. *Comm. Algebra***24** \(1996\): 4567-4580.](#)
83. [\(with Z. Marciniak\). Constructing free subgroups of integral group ring units. *Proc. Amer. Math. Soc.* **125** \(1997\): 1005-1009.](#)

84. [\(with A. Giambruno and A. Valenti\). Group algebras whose units satisfy a group identity. Proc. Amer. Math. Soc. 125 \(1997\): 629-634.](#)
85. [\(with O. Neisse\). Gauss units in integral group rings. J. Algebra 204 \(1998\): 588-596.](#)
86. [\(with Z. Marciniak\). Units in group rings and geometry. Methods in Ring Theory, Lectures notes in Pure and Applied Mathematics 198 \(1998\): 185-198.](#)
87. [\(with Z. Marciniak\). Subnormal subgroups of group ring units. Proc. Amer. Math. Soc. 126 \(1998\): 343-348.](#)
88. [\(with Z. Marciniak\). Zassenhaus conjectures for infinite groups. Canad Math. Soc. Conference Proceedings 22 \(1998\): 99-111.](#)
89. [\(with O. Neisse\) Units in integral group rings over Solomon Fields. Comm. Algebra 26 \(1998\): 3985-3991.](#)
90. [\(with A. Giambruno and A. Valenti\). Symmetric Units and group identities, Manuscripta Math. 96 \(1998\): 443-461.](#)
91. [Symmetric elements and identities in group algebras. Algebra, Some recent advances. Indian National Science Academy, 207-213, Editor I.B.S. Passi \(1998\).](#)
92. [\(with Y. Li and M. Parmenter\). On the normalizer property for integral group rings. Comm. Algebra 27 \(1999\): 4217-4223.](#)
93. [\(with C. Polcino Milies\). Central units of integral group rings. Comm. Algebra 27 \(1999\): 6223-6241.](#)
94. [\(with Y. Bachturin and M. Zaicev\). G-identities of non-associative algebras, Mat. Sbornik, 190 \(1999\): 3-14.](#)
95. [\(with A. Giambruno and A. Valenti\). Group identities on units of group algebras, Group Algebras 226 \(2000\): 488-504.](#)
96. [\(with T. Hurley\). Groups related to Fox subgroups, Comm. Algebra 28 \(2000\): 1051-1059.](#)
97. [\(with Z. Marciniak\). Torsion matrices over abelian group rings, J. Group Theory 3 \(2000\): 67-75.](#)

98. [\(with G. T. Lee\). Torsion matrices over commutative integral group rings *Publ. Mat.* **44** \(2000\), 359-367.](#)
99. [\(with M. Zaicev\). Finite gradings of simple artinian rings, *Moscow Univ. Math. Bull* **3** \(2001\), 21-24.](#)
100. [\(with Y. Bachturin and M. Zaicev\). Group Gradings on Associative Algebras, *J. Algebra* **241** \(2001\), 677-698.](#)
101. [\(with M. Zaicev\). Graded identities of group algebras, *Comm. Algebra* **30** \(2002\), 489-505.](#)
102. [Zassenhaus conjecture, *Supp. III, Encycl. Math.*, Kluwer, \(2002\), 453-454.](#)
103. [\(with Szigeti J.\) Matrices over centrally \$\mathbb{Z}_2\$ -graded rings, *Beträge Algebra Geom.* **43** \(2002\), 399-406.](#)
104. [\(with M. Zaicev\) Graded identities and induced gradings on group algebras. *Groups, Rings, Lie and Hopf Algebras*, Kluwer, Dordrecht \(2003\), 211-219.](#)
105. [\(with Z. Marciniak\) The unit group of \$1 + \Delta\(G\) \Delta\(A\)\$ is torsion-free, *J. Group Theory* **6** \(2003\), 223-228.](#)
106. [\(with Petit Lobáo\) The normalizer property for integral group rings of complete monomial groups, *Comm. Algebra* **31** \(2003\), 2971-2983.](#)
107. [\(with M. Parmenter\) Torsion freeness of the unit group of \$1 + \Delta\(G\) \Delta\(A\)\$. *Groups, Rings, Lie and Hopf Algebras*, Kluwer, Dordrecht \(2003\), 203-210.](#)
108. Group Rings, Handbook of Algebra, Vol 3, Edited by M. Hazewinkel, Elsevier, (2003) 455-541.
109. [\(with M. Dokuchaev and C. Polcino Milies\) Integral group rings with trivial central units. II, *Comm. Algebra* **33** \(2005\), 37-42.](#)
110. [\(with J. Ritter\) Trivial units in RG, *Proc. Royal Irish Academy*, **105 A \(1\)**, \(2005\), 25-39.](#)
111. [\(with M. Zaicev\) Identities of group algebras, *Comm. Algebra* \(2005\), 4283-4289.](#)
112. [\(with Z. Marciniak\) Generic units in abelian group rings, *J. Group Theory* \(2005\), 777-799.](#)
113. [\(with A. Giambruno\) Group algebras whose Lie algebra of skew-symmetric elements is nilpotent, *Contemp. Math.* \(2006\), 113-120](#)

114. [\(with A. del Rio\) Zassenhaus conjecture \(ZC1\) on torsion units of integral group rings for some metabelian groups, Arch. Math. \(2006\), 392-397.](#)
115. [\(with Z. Marciniak\) Generic units in \$\mathbb{Z}G\$, Groups, rings and group rings, Lect. Notes Pure Appl. Math \(2006\), 279-286.](#)
116. [\(with A. Valenti\) Group algebras with symmetric units satisfying a group identity, Manuscripta Math. \(2006\), 243-254.](#)
117. [\(with G. Lee and C. Polcino Milies\) Group rings whose symmetric units are nilpotent, J. Group Theory 10 \(2007\), 685-701.](#)
118. [\(with Y. A. Bakhturin and M. Zaicev\) Finite-dimensional simple graded algebras, Mat. Sbornik 199 \(2008\), 21-40.](#)
119. [\(with A. Giambruno and C. Polcino Milies\) Lie properties of symmetric elements in group rings. J. Algebra 321 \(2009\), 890-902.](#)
120. [\(with G. T. Lee and E. Spinelli\) Lie properties of symmetric elements in group rings. II. J. Pure Appl. Algebra 213 \(2009\), 1173-1178.](#)
121. [\(with G. T. Lee and E. Spinelli\) Group algebras whose symmetric and skew elements are Lie solvable. Forum Math. 21 \(2009\), 661-671.](#)
122. [\(with A. Giambruno and C. Polcino Milies\) Group identities on symmetric units. J. Algebra 322 \(2009\), 2801-2815.](#)
123. [\(with G. T. Lee and E. Spinelli\) Nilpotency of group ring units symmetric with respect to an involution. J. Pure Appl. Algebra 214 \(2010\), 1592-1597.](#)
124. [\(with Giambruno, Antonio and Polcino Milies, César\) Group algebras of torsion groups and Lie nilpotence. J. Group Theory 13 \(2010\), 221-231.](#)
125. [\(with Giambruno, Antonio and Polcino Milies, César\) Star-group identities and groups of units. Arch. Math. \(Basel\) 95 \(2010\), no. 6, 501-508.](#)
126. [\(with Giambruno, Antonio and Polcino Milies, César\) Group algebras and Lie nilpotence. J. Algebra 373 \(276-283\).](#)
127. [\(with G. T. Lee and E. Spinelli\) Group rings whose unitary units are nilpotent. J. Algebra 410 \(2014\), 343-354.](#)

128. [\(with G. T. Lee and E. Spinelli\) Group rings with solvable unit groups of minimal derived length. *Algeb. Represent. Theory* 17 \(2014\), no. 5, 1597-1601.](#)
129. [\(with G. T. Lee and E. Spinelli\) Free groups with involution satisfying a *-group identity. *Arch. Math. \(Basel\)* 104 \(2015\), no. 6, 509-512.](#)
130. [\(with G. T. Lee and E. Spinelli\) Lie identities on skew elements in group algebras. *Lie algebras and related topics, 103-121, Contemp. Math. 652, Amer. Math. Soc., Providence, RI, \(2015\).*](#)

Books

1. Topics in Group Rings. Marcel Dekker, New York, 1978.
2. Units in Integral Group Rings. Longman's, Essex, U.K., 1993.
3. (with C. Polcino Milies). Introduction to Group Rings, Kluwer, Dordrecht, 2002.

Books Edited

1. Representation Theory, Group Rings and Coding Theory. Contemporary Math., Vol 93, Amer. Math. Soc.
2. (with A. Giambruno & V. Drensky). Methods in Ring Theory. Lecture Notes in Pure and Applied Mathematics Series/Dekker, N.Y. 198.
3. (with Giambruno & C. Polcino Miles). Groups, rings and group rings. Lecture Notes in Pure and Applied Mathematics, Chapman & Hall/CRC Boca Raton, FL, 2006.

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