PERSONAL INFORMATION

Solange-Odile SALIU

University of Craiova, 13 Al. I. Cuza Str., Craiova, Romania

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Birthdate: April 8, 1969 Birthplace: Craiova, Dolj county, Romania

WORK EXPERIENCE

October 2004 →

Professor

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Advanced teaching duties and research

Sector Higher-education/University/Academic staff

ISCO-08 code 231

February 2000–September 2004

Associate Professor

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Teaching (intermediate course duties) and research

Sector Higher-education/University/Academic staff

ISCO-08 code 231

October 1998–February 2000

Lecturer

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Teaching (basic course and advanced seminary duties) and research

Sector Higher-education/University/Academic staff

ISCO-08 code 231

February 1996–September 1998

Assistant lecturer

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Intermediate seminar/laboratory duties and research

Sector Higher-education/University/Academic staff

ISCO-08 code 231

October 1992–February 1996

Preparatory assistant

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Basic seminar/laboratory duties and research

Sector Higher-education/University/Academic staff

ISCO-08 code 231

EDUCATION AND TRAINING

May 1993–July 1996

Ph.D. in Physics

ISCED 2011 level 844

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Advanced research qualification in Theoretical Physics, Ph.D. thesis title: *Quantization of gauge theories*

September 1987–June 1992

Equivalent to M.Sc. in Physics

ISCED 2011 level 746

University of Craiova, 13 Al. I. Cuza Str., Craiova, 200585, Romania, http://www.ucv.ro/

- Divided into two sublevels: 1st sublevel September 1987–June 1990 equivalent to B.Sc. in Physics (intermediate academic knowledge, skills and competencies in Physics); 2nd sublevel September 1990–June 1992 equivalent to M.Sc. in Theoretical Physics (advanced academic knowledge, skills and competencies completed by intermediate research qualification in Theoretical Physics)

LANGUAGE SKILLS

Mother tongue: Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
French	B2	B2	B2	B2	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

PROFESSIONAL INFORMATION

Publications in Web of Science Core Collection / SCOPUS indexed journals	104
Invited lectures at international conferences, workshops, etc.	>20
Scientific chapters/monographs and academic textbooks	7 (1 monograph chapter – international, 3 monographs - national, 3 academic textbooks - national)
Citations	>220 positive citations in Web of Science Core Collection indexed journals excluding self-citations
h-index (Hirsch)	14 (Web of Science), 15 (Scopus), 18 (Google Scholar)
Research grants and programmes won by competition	12 (4 as coordinator and 8 as member; 1 international and 11 national)
Honours and awards	"Dragomir Hurmuzescu" Prize of the Romanian Academy for 2008 (awarded in December 2010)
Membership/leadership	Romanian Physical Society/president of the mathematical and computational physics section (2009–2013), at present Member; Member of Southeastern European Network in Mathematical and Theoretical Physics (SEENET-MTP)
Reviewer	Romanian Journal of Physics, Proceedings of the Romanian Academy (series A), AIP Conference Proceedings (selected volumes), Nuclear Physics B, Europhysics Letters/EPL, European Physics Journal Plus
Editor/Co-editor	7 proceeding volumes of international scientific events
Co-organizer of scientific events	9 events (4 conferences and 5 workshops)
Ph.D. supervisor	Since 2007
Assessment of research grants	CNCSIS, MEdC, FP6
Administrative positions	Head of the Physics Department 1, Faculty of Physics, University of Craiova (2004–2011); member of the Council of Doctoral Studies at the University of Craiova (2016–present)

ANNEXES

- Publications in Web of Science Core Collection / SCOPUS indexed journals; Monographs and student textbooks; Research projects won by competition

ANNEX 1 – Publications in Web of Science Core Collection / SCOPUS indexed journals

1. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Interaction vertices in a model involving two Majorana spinors, a scalar field, and an Abelian vector field, Physics AUC **34** (2024) 235–244
2. E. M. Cioroianu, C. Bizdadea, S. O. Saliu, Massless spin-0 and spin-1/2 particle interactions mediated by a single Abelian gauge field, *AIP Conference Proceedings*, vol. **2843**, American Institute of Physics, New York, **2023**, pp.: 020006-1– 020006-8
3. S. O. Saliu, C. Bizdadea, E. M. Cioroianu, Various aspects of lower dimensional BF models: Cross-couplings to matter, *AIP Conference Proceedings*, vol. **2843**, American Institute of Physics, New York, **2023**, pp.: 020001-1–020001-14
4. S. O. Saliu, E. M. Cioroianu, C. Bizdadea, Consistent deformations for a non-standard D=6 topological BF model from a BRST-symmetry-based cohomological approach, Symmetry-Basel **14** (2022) 1023
5. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Mass-generation effects in a field theory comprising spins ranging from zero to one, Physics AUC **31** (2021) 79–87
6. S. O. Saliu, C. Bizdadea, E. M. Cioroianu, I. Negru, On D = 8 vertices in a collection of non-standard topological BF theories, Physics AUC **31** (2021) 93–111
7. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Aspects of spontaneous symmetry breaking in a *SU(2)xU(1)*-gauge model involving six real scalar fields, *AIP Conference Proceedings*, vol. **2218**, American Institute of Physics, New York, **2020**, pp.: 050006-1– 050006-9
8. C. Bizadadea, E. M. Cioroianu, S. O. Saliu, Mass predictions for a vector field in interaction with various collections of real scalar fields: A brief review, Physics AUC **30** (part II) (2020) 150–157
9. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Vector field mass generation in a single D=4 topological BF model, *AIP Conference Proceedings*, vol. **2071**, American Institute of Physics, New York, **2019**, pp.: 020009-1–020009-9
10. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Zeeman-like effect in a spontaneous symmetry-breaking scheme, *AIP Conference Proceedings*, vol. **2071**, American Institute of Physics, New York, **2019**, pp.: 020006-1–020006-9
11. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Massive spin-one fields from couplings with five massless real scalars, *AIP Conference Proceedings*, vol. **1916**, American Institute of Physics, New York, **2017**, pp.: 020003-1–020003-10
12. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Note on the BRST mass generation of a vector field. The case of couplings to N=4 real scalars, *AIP Conference Proceedings*, vol. **1796**, American Institute of Physics, New York, **2017**, pp.: 020003-1–020003-8
13. C. Bizdadea, S. O. Saliu, Gauge-invariant massive BF models, *The European Physical Journal C* **76** (2016) 65 (28 pag.)
14. C. Bizdadea, S. O. Saliu, Second-order Lagrangian formulation of linear first-order field equations, *Romanian Journal of Physics* **61** (2016) 27–36
15. C. Bizdadea, S. O. Saliu, M. Toma, No cross-couplings of a mixed symmetry (k, 1) tensor field to matter fields of spin 0 and/or ½, Physics AUC **25** (2015) 27–46
16. C. Bizdadea, S. O. Saliu, M. Toma, Consistent interactions between a massless tensor field with the mixed symmetry (k, 1) and an Abelian vector field from local BRST cohomology, Physics AUC **25** (2015) 47–74
17. C. Bizdadea, S. O. Saliu, M. Toma, No-go results on consistent cross-couplings between a massless tensor field with the mixed symmetry (k, 1) and a spin-2 field, Physics AUC **25** (2015) 75–96
18. C. Bizdadea, S. O. Saliu, M. Toma, Cohomological properties of the massless tensor field with the mixed symmetry

(k, 1). I. Results on the cohomology of the exterior longitudinal differential, Physics AUC **24** (2014) 1–15

19. C. Bizdadea, S. O. Saliu, M. Toma, Cohomological properties of the massless tensor field with the mixed symmetry (k, 1). II. Results on the local cohomology of the Koszul-Tate differential, Physics AUC **24** (2014) 16–33
20. C. Bizdadea, S. O. Saliu, L. Stanciu-Oprean, On a class of inconsistent deformations in BF models coupled to a dual formulation of linearized gravity in D = 8, Physics AUC **24** (2014) 34–55
21. C. Bizdadea, S. O. Saliu, M. Toma, Consistent interactions between dual formulations of linearized gravity, *Romanian Journal of Physics* **58** (2013) 469–484
22. C. Bizdadea, M. T. Miauta, S. O. Saliu, M. Toma, Consistent interactions between dual formulations of linearised gravity in terms of massless tensor fields with mixed symmetries (k,1) and (2,2), *Romanian Journal of Physics* **58** (2013) 459–468
23. C. Bizdadea, M. T. Miauta, S. O. Saliu, L. Stanciu-Oprean, Special interactions between a DFLG in terms of a mixed symmetry tensor field (k,1) and a topological BF model, *Romanian Journal of Physics* **58** (2013) 446–458
24. C. Bizdadea, E. M. Cioroianu, M. T. Miauta, S. O. Saliu, S. C. Sararu, L. Stanciu-Oprean, Towards a full classification of consistent interaction vertices in topological BF theories, *Romanian Journal of Physics* **58** (2013) 434–445
25. C. Bizdadea, M. M. Barcan, E. M. Cioroianu, M. T. Miauta, S. O. Saliu, Another relationship between first- and second-order systems, *Romanian Journal of Physics* **58** (2013) 428–433
26. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Săraru, L. Stanciu-Oprean, Consistent interaction vertices in arbitrary topological BF theories, *AIP Conference Proceedings*, vol. **1564**, American Institute of Physics, New York, **2013**, pp. 69–77
27. C. Bizdadea, S. O. Saliu, L. Stanciu-Oprean, Dual linearized gravity coupled to BF-type topological field theories in D=7, *Modern Physics Letters A* **27** (2012) 1250137 (10 pag.)
28. C. Bizdadea, M. M. Barcan, M. T. Miauta, S. O. Saliu, Second-order Lagrangian dynamics in the phase-space: some examples, *Modern Physics Letters A* **27** (2012) 1250062 (7 pag.)
29. C. Bizdadea, M. M. Bârcan, M. T. Miaută, S. O. Saliu, On the Lagrangian formalism in phase-space, *AIP Conference Proceedings*, vol. **1472**, American Institute of Physics, New York, **2012**, pp. 12–16
30. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Săraru, L. Stanciu-Oprean, Topological BF models with maximal field spectra: consistent self-interactions, *AIP Conference Proceedings*, vol. **1472**, American Institute of Physics, New York, **2012**, pp. 3–11
31. C. Bizdadea, E. M. Cioroianu, M. T. Miaută, S. O. Saliu, S. C. Săraru, Consistent interactions involving dual formulations of linearized gravity in terms of massless tensor fields with the mixed symmetry (k,1), *AIP Conference Proceedings*, vol. **1387**, American Institute of Physics, New York, **2011**, pp. 78–85
32. C. Bizdadea, M. M. Bârcan, I. Negru, S. O. Saliu, Note on the Hamiltonian formalism: one-dimensional non-degenerate systems, *AIP Conference Proceedings*, vol. **1387**, American Institute of Physics, New York, **2011**, pp. 74–77
33. C. Bizdadea, S. O. Saliu, M. Toma, Note on yes-go and no-go interactions of massless tensor fields with the mixed symmetry (k,1). The case k=5, Physics AUC **21** (2011) 61–76
34. C. Bizdadea, S. O. Saliu, L. Stanciu-Oprean, Note on novel interactions of dual linearized gravity coupled to BF-type topological field theories, Physics AUC **21** (2011) 77–94
35. C. Bizdadea, M. M. Bârcan, M. T. Miaută, S. O. Saliu, Note on a class of one-dimensional Hamiltonian systems, Physics AUC **21** (2011) 121–124
36. C. Bizdadea, E. M. Cioroianu, I. Negru, S. O. Saliu, S. C. Săraru, M. Toma, Linearized Gravity and Its Dual Formulations: Yes-Go Results on Their Consistent Couplings, Physics AUC **21** Special Issue (2011) 216–233
37. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, E. M. Babalic, Yes-go cross-couplings in collections of tensor fields with mixed symmetries of the type (3,1) and (2,2), *International Journal of Modern Physics A* **25** (2010) 1211–1238

38. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, E. M. Babalic, Dual linearized gravity in D=6 coupled to a purely spin-two field of mixed symmetry (2,2), *Fortschritte der Physik* **58** (2010) 341–363
39. C. Bizdadea, E. M. Cioroianu, I. Negru, S. O. Saliu, S. C. Săraru, Interactions in theories with mixed symmetry tensor fields: yes-go results, *AIP Conference Proceedings*, vol. **1262**, American Institute of Physics, New York, **2010**, pp. 3–12
40. C. Bizdadea, M. T. Miaută, I. Negru, S. O. Saliu, L. Stanciu-Oprean, M. Toma, Massless tensor fields with the mixed symmetry (k,1): Lagrangian description and BRST symmetry, Physics AUC **20** (2010) 127–140
41. C. Bizdadea, E. M. Cioroianu, A. Danehkar, M. Iordache, S. O. Saliu, S. C. Sararu, Consistent interactions of dual linearized gravity in D=5: couplings with a topological BF model, *The European Physical Journal C* **63** (2009) 491–519
42. C. Bizdadea, E. M. Cioroianu, I. Negru, S. O. Saliu, S. C. Sararu, O. Balus, Reducible second-class constraints of order L: An irreducible approach, *Nuclear Physics B* **812** (2009) 12–45
43. C. Bizdadea, E. M. Cioroianu, A. Danehkar, M. Iordache, S. O. Saliu, S. C. Săraru, BF models in dual formulations of linearized gravity, *AIP Conference Proceedings*, vol. **1131**, American Institute of Physics, New York, **2009**, pp. 29–35
44. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Săraru, M. Iordache, Massless gravitino interactions mediated by a topological field model, *AIP Conference Proceedings*, vol. **1131**, American Institute of Physics, New York, **2009**, pp. 23–28
45. C. Bizdadea, S. O. Saliu, E. M. Băbălîc, Selfinteractions in collections of massless tensor fields with the mixed symmetry (3,1) and (2,2), Physics AUC **19** (2009) 1–21
46. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, M. Iordache, Four-dimensional couplings among BF and massless Rarita--Schwinger theories: a BRST cohomological approach, *The European Physical Journal C* **58** (2008) 123–149
47. C. Bizdadea, D. Cornea, S. O. Saliu, No cross-interactions among different tensor fields with the mixed symmetry (3,1) intermediated by a vector field, *Journal of Physics A: Mathematical and Theoretical* **41** (2008), 285202 (12 pag.)
48. C. Bizdadea, E. M. Cioroianu, D. Cornea, E. Diaconu, S. O. Saliu, S. C. Sararu, Interactions for a collection of spin-two fields intermediated by a massless p-form, *Nuclear Physics B* **794** (2008) 442–494
49. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Săraru, O. Băluș, Irreducible approach to L-order reducible second-class theories, *Romanian Journal of Physics* **53** (2008) 1023–1031
50. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, O. Balus, An irreducible approach to second-order reducible second-class constraints, *Journal of Physics A: Mathematical and Theoretical* **40** (2007), 14537–14554
51. C. Bizdadea, E. M. Cioroianu, I. Negru, S. O. Saliu, S. C. Sararu, On the generalized Freedman-Townsend model, *Journal of High Energy Physics JHEP* **0610** (2006) 004 (50 pag.)
52. C. Bizdadea, C. C. Ciobirca, I. Negru, S. O. Saliu, Couplings between a single massless tensor field with the mixed symmetry (3,1) and one vector field, *Physical Review D* **74** (2006) 045031
53. C. Bizdadea, C. C. Ciobirca, E. M. Cioroianu, S. O. Saliu, Interactions between a massless tensor field with the mixed symmetry of the Riemann tensor and a massless vector field, *Journal of Physics A: Mathematical and General* **39** (2006) 10549–10564
54. C. Bizdadea, E. M. Cioroianu, D. Cornea, S. O. Saliu, S. C. Sararu, No interactions for a collection of spin-two fields intermediated by a massive Rarita-Schwinger field, *The European Physical Journal C* **48** (2006) 265–289
55. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, Couplings of a collection of BF models to matter theories, *The European Physical Journal C* **41** (2005) 401–420
56. C. Bizdadea, E. M. Cioroianu, A. C. Lungu, S. O. Saliu, No multi-graviton theories in the presence of a Dirac field, Journal of High Energy Physics JHEP 0502 (2005) 016 (38 pag.)
57. C. C. Ciobirca, E. M. Cioroianu, S. O. Saliu, Cohomological BRST aspects of the massless tensor field (k,k), *International Journal of Modern Physics A* **19** (2004) 4579–4619

58. C. Bizdadea, C. C. Ciobirca, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, Interactions of a massless tensor field with the mixed symmetry of the Riemann tensor. No-go results, *The European Physical Journal C* **36** (2004) 253–270
59. C. Bizdadea, C. C. Ciobîrcă, E. M. Cioroianu, S. O. Saliu, S. C. Săraru, BRST cohomological results on the massless tensor fields with the mixed symmetry of the Riemann tensor, *International Journal of Geometric Methods in Modern Physics* (Special issue "*Advanced Geometric Techniques in Gauge Theory*") **1** (2004) 335–366
60. S. O. Saliu, Consistent interactions in three-dimensional gauge theory with mixed-symmetry type tensor gauge fields of degrees two and three, *International Journal of Modern Physics A* **18** (2003) 4451–4468
61. S. O. Saliu, Antibracket-antifield Sp(3) BRST approach to the “irreducible” Freedman-Townsend model, *Physica Scripta* **68** (2003) 219–226
62. S. O. Saliu, Free massless spin-5/2 gauge fields from the Lagrangian Sp(3) BRST method, *Acta Physica Polonica B* **34** (2003) 4105–4123
63. C. Bizdadea, C. C. Ciobirca, E. M. Cioroianu, I. Negru, S. O. Saliu, S. C. Sararu, Interactions of a single massless tensor field with the mixed symmetry (3,1). No-go results, *Journal of High Energy Physics JHEP* **0310** (2003) 019 (63 pag.)
64. C. Bizdadea, C. C. Ciobirca, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, Four-dimensional couplings among BF and matter theories from BRST cohomology, *Annalen der Physik* **12** (2003) 543–571
65. C. Bizdadea, C. C. Ciobirca, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, Hamiltonian BRST deformation of a class of n-dimensional BF-type theories, *Journal of High Energy Physics JHEP* **0301** (2003) 049 (24 pag.)
66. C. Bizdadea, E. M. Cioroianu, I. Negru, S. O. Saliu, Lagrangian interactions within a special class of covariant mixed-symmetry type tensor gauge fields, *The European Physical Journal C* **27** (2003) 457–465
67. C. Bizdadea, S. O. Saliu, Lagrangian Sp(3) BRST symmetry for Yang-Mills theory, *Modern Physics Letters A* **17** (2002) 269–277
68. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Hamiltonian cohomological derivation of four-dimensional nonlinear gauge theories, *International Journal of Modern Physics A* **17** (2002) 2191–2210
69. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Irreducible Freedman-Townsend vertex and Hamiltonian BRST cohomology, *Annalen der Physik* **11** (2002) 151–161
70. C. Bizdadea, M. T. Miauta, S. O. Saliu, Nonabelian interactions from Hamiltonian BRST cohomology, *The European Physical Journal C* **21** (2001) 577–585
71. C. Bizdadea, E. M. Cioroianu, M. T. Miauta, I. Negru, S. O. Saliu, Lagrangian cohomological couplings among vector fields and matter fields, *Annalen der Physik* **10** (2001) 921–934
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73. C. Bizdadea, S. O. Saliu, Lagrangian Sp(3) BRST symmetry for irreducible gauge theories, *International Journal of Modern Physics A* **16** (2001) 2975–3009
74. C. Bizdadea, M. T. Miauta, S. O. Saliu, Hamiltonian BRST interactions in abelian theories, *The European Physical Journal C* **19** (2001) 191–200
75. C. Bizdadea, L. Saliu, S. O. Saliu, Two-dimensional nonlinear gauge theories from Hamiltonian BRST cohomology, *Europhysics Letters* **53** (2001) 577–583
76. C. Bizdadea, E. M. Cioroianu, I. Negru, S. O. Saliu, Cohomological derivation of the couplings between an abelian gauge field and matter fields, *Annalen der Physik* **10** (2001) 415–427
77. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Irreducible Hamiltonian BRST-anti-BRST symmetry for reducible systems, *Journal of Physics A: Mathematical and General* **33** (2000) 6901–6923
78. C. Bizdadea, S. O. Saliu, Consistent Hamiltonian interactions: the example of Yang-Mills theories, *Physica Scripta* **62** (2000) 261–267

79. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Freedman-Townsend vertex from Hamiltonian BRST cohomology, *Classical and Quantum Gravity* **17** (2000) 2007–2016
80. C. Bizdadea, A. Constantin, S. O. Saliu, Note on irreducible approach to reducible second-class constraints, *Europhysics Letters* **50** (2000) 169–174
81. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Irreducible Hamiltonian BRST symmetry for reducible first-class systems, *International Journal of Modern Physics A* **15** (2000) 3001–3017
82. C. Bizdadea, L. Saliu, S. O. Saliu, Chapline-Manton interaction vertices and Hamiltonian BRST cohomology, *International Journal of Modern Physics A* **15** (2000) 893–904
83. C. Bizdadea, L. Saliu, S. O. Saliu, On Chapline-Manton couplings: a cohomological approach, *Physica Scripta* **61** (2000) 307–310
84. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Massive Yang-Mills theory with no Dirac bracket, *Il Nuovo Cimento A* **112** (1999) 1033–1039
85. C. Bizdadea, M. G. Mocioaca, S. O. Saliu, On the “irreducible” Freedman-Townsend vertex, *Physics Letters B* **459** (1999) 145–149
86. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Irreducible Hamiltonian BRST approach to topologically coupled abelian forms, *Physica Scripta* **60** (1999) 120–130
87. C. Bizdadea, S. O. Saliu, Irreducible antifield-BRST approach to reducible gauge theories, *Journal of Physics A: Mathematical and General* **32** (1999) 3919–3929
88. C. Bizdadea, I. Negru, S. O. Saliu, Irreducible Hamiltonian approach to the Freedman-Townsend model, *International Journal of Modern Physics A* **14** (1999) 2537–2550
89. C. Bizdadea, I. Negru, S. O. Saliu, Irreducible Hamiltonian BRST analysis of Stueckelberg coupled p-form gauge theories, *Classical and Quantum Gravity* **16** (1999) 225–243
90. C. Bizdadea, I. Negru, S. O. Saliu, Irreducible antifield BRST-anti-BRST formalism for reducible gauge theories, *International Journal of Modern Physics A* **14** (1999) 359–386
91. C. Bizdadea, M. G. Mocioaca, S. O. Saliu, Extrafields in the BRST quantization of p-form generalization to massive Chern-Simons theory, *Il Nuovo Cimento B* **114** (1999) 611–620
92. C. Bizdadea, S. O. Saliu, Irreducible antifield formalism for reducible constrained Hamiltonian systems, *Journal of Physics A: Mathematical and General* **31** (1998) 8805–8822
93. C. Bizdadea, S. O. Saliu, A note on “irreducible” p-form gauge theories with Stueckelberg coupling, *Europhysics Letters* **41** (1998) 129–134
94. C. Bizdadea, S. O. Saliu, E. N. Timneanu, On the irreducible BRST quantization of spin-5/2 gauge fields, *Classical and Quantum Gravity* **15** (1998) 501–507
95. C. Bizdadea, M. Iordache, S. O. Saliu, E. N. Timneanu, An irreducible BRST approach to topological Yang-Mills theory, *Helvetica Physica Acta* **71** (1998) 262–273
96. C. Bizdadea, S. O. Saliu, Irreducible antifield analysis of p-form gauge theories, *Physics Letters B* **425** (1998) 97–103
97. C. Bizdadea, S. Balan, S. O. Saliu, A covariant BRST approach of self-dual p-forms without extrafields, *Journal of Physics A: Mathematical and General* **30** (1997) 5997–6007
98. C. Bizdadea, S. O. Saliu, The BRST quantization of first-order systems, *Helvetica Physica Acta* **70** (1997) 590–597
99. C. Bizdadea, S. O. Saliu, The antifield BRST-anti-BRST quantization of massive and nonmassive Abelian three-form gauge fields, *International Journal of Modern Physics A* **11** (1996) 3523–3547
100. C. Bizdadea, S. O. Saliu, A note on the BRST quantization of “reducible” second-class constrained systems, *Europhysics Letters* **35** (1996) 567–572
101. C. Bizdadea, S. O. Saliu, The BRST quantization of massive Abelian two-form gauge fields, *Physics Letters*

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ANNEX 2 – Monographs and student textbooks

1. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, C. C. Ciobirca, I. Negru, Câmpuri tensoriale cu simetrii mixte (in Romanian, English translation – Mixed Symmetry-type Tensor Fields), Universitaria Publishing House, Craiova, 2008, 250 pages, ISBN 978-606-510-401-3
2. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, S. C. Sararu, Modele de tip BF în interacție (in Romanian, English translation – Interacting BF Models), Universitaria Publishing House, Craiova, 2007, 194 pages, ISBN 978-973-742-710-6
3. C. Bizdadea, S. O. Saliu, Sisteme dinamice supuse la constrângeri (in Romanian, English translation – Constrained Dynamical Systems), Universitaria Publishing House, Craiova, 2007, 128 pages, ISBN 978-973-742-707-6
4. C. C. Ciobirca, S. O. Saliu, Tensor gauge fields with the mixed symmetry of rectangular two-column Young diagrams (Chapter 2), in Trends in field theory research, editor O. Kovras, Nova Science Publishers Inc., New York, United States of America, 2005, pp. 43–62, ISBN 1-59454-123-X (hardcover)
5. C. Bizdadea, E. M. Cioroianu, S. O. Saliu, Simetrii BRST ireductibile și reductibile (in Romanian, English translation – Irreducible and Reducible BRST Symmetries), Universitaria Publishing House, Craiova, 2002, 145 pages, ISBN 973-8043-206-6
6. S. O. Saliu, Metode Hamiltoniene de cuantificare (in Romanian, English translation – Hamiltonian Quantization Methods), Universitaria Publishing House, Craiova, 2002, 150 pages, ISBN 973-8043-207-7
7. C. Bizdadea, S. O. Saliu, Cuantificarea teoriilor de clasă II (in Romanian, English translation – Quantization of Second-Class Constrained Systems), Agora Publishing House, Craiova, 1999, 182 pages, ISBN 973-99033-3-9

ANNEX 3 – Research projects won by competition (coordination/participation)

1. CNCSIS type A grant, code 581/2007, October 2007–September 2009, Topological field theories, team member S. O. Saliu
2. CEEX 2006, Module I, Complex R&D projects, 2-CEx06-11-92/19.09.2006, September 2006–September 2008, Fundamental Interactions and Geometrodynamics, team member S. O. Saliu
3. CEEX 2005, Module I, Complex R&D projects, CEx05-D11-49/7.10.2005, October 2005–September 2008, Advanced Researches in Quantum Field Theories and Gravitation, team member S. O. Saliu
4. 6th Framework Programme (FP6), Marie Curie Research Training Network (MC-RTN), MRTN-CT-2004-005104/2004, Constituents, Fundamental Forces and Symmetries of the Universe, November 2004–October 2008, team member S. O. Saliu
5. CNCSIS type A grant, code 304/2004, October 2004–September 2007, Inferring some consistent couplings in field theories via the cohomological techniques based on the Becchi-Rouet-Stora-Tyutin symmetry, grant coordinator S. O. Saliu
6. CNCSIS type A grant, code 305/2004, October 2004–September 2007, Interactions in theories with symmetric, rank-two tensor fields, team member S. O. Saliu
7. CNCSIS type A grant, code 690/2003, October 2003– September 2004, Study of theories describing covariant mixed-symmetry tensor fields, grant coordinator S. O. Saliu

8. CNCSIS type A grant, code 944/2002, October 2002– September 2003, Self-interactions and the antibracket-antifield BRST cohomology, grant coordinator S. O. Saliu
9. CNCSIS type A grant, code 943/2002, October 2002– September 2003, Field theories with nonlinear gauge algebras, team member S. O. Saliu
10. CNCSIS type A grant, code 144/2001, October 2001– September 2002, Extended Becchi-Rouet-Stora-Tyutin symmetries in Quantum Field Theory, grant coordinator S. O. Saliu
11. CNCSIS type A grant, code 140/2001, October 2001– September 2002, Lagrangian and Hamiltonian interactions in elementary particle theory, team member S. O. Saliu
12. CNCSIS type A grant, code 83/1999, October 1999–September 2000, Quantization Methods of Gauge Theories, team member S. O. Saliu

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