

CURRICULUM VITAE

Prof. Dr. Teoman Özer
İstanbul Technical University
Faculty of Civil Engineering
Department of Civil Engineering
Division of Mechanics
No: 362, 34469 Maslak, İstanbul, Turkey
E-mail: tozer@itu.edu.tr
Tel: +90 212 285 37 80
Fax: +90 212 285 65 87
<http://akademi.itu.edu.tr/tozer/>
[MathSciNet](#)

EDUCATION

- Ph.D.: Istanbul Technical University, Institute of Science and Technology, Turkey, 1994-1999.
- M.Sc.: Istanbul Technical University, Institute of Science and Technology, Turkey, 1991-1994.
- M.Sc.: Marmara University, Institute of Social Sciences, Division of Economic Theory, Istanbul, Turkey, 1995-1997.
- B.Sc.: Yıldız University, Faculty of Engineering, Department of Civil Engineering, Istanbul, Turkey, 1987-1991.

EMPLOYMENT

- Professor, Istanbul Technical University, Faculty of Civil Engineering, Division of Mechanics, 2010.
- Associate Professor, Istanbul Technical University, Faculty of Civil Engineering, Division of Mechanics, 2006.
- Associate Professor (title), Istanbul Technical University, Faculty of Civil Engineering, Division of Mechanics, 2005.
- Assistant Professor, Istanbul Technical University, Faculty of Civil Engineering, Division of Mechanics, 2005.
- Postdoctoral: University of Minnesota, School of Mathematics, U.S.A., 2004.
- Recitation Instructor, Course: 2.005 Thermal-Fluids Engineering I, Massachusetts Institute of Technology, Department of Mechanical Engineering, spring 2001.
- Postdoctoral: Massachusetts Institute of Technology, Department of Mechanical Engineering, U.S.A., 2000-2003.
- Research and Teaching Assistant, Istanbul Technical University, Faculty of Civil Engineering, Division of Mechanics, 1994-1999 and 2003-2005.

THE OTHER ACADEMIC ACTIVITIES

- Visiting Scientist, University of Minnesota, IMA (*Institute for Mathematics and its Applications*) *Summer School*, U.S.A., 2006.
- Visiting Scientist, Carnegie Mellon University, Department of Mathematical Sciences, CNA (*Center for Nonlinear Analysis*) *Summer School*, U.S.A., 2001.

RESEARCH INTERESTS

- Theory of Lie Groups and Its Applications to Differential Equations.
- Continuum Mechanics.
- Applied Mechanics and Mathematics.
- Mathematical Physics.
- Conservation Laws.
- Dynamical Systems.
- Web-based Education Modules.

TEACHING INTERESTS

- Statics.
- Strength of Materials I.
- Strength of Materials II.
- Dynamics.
- Partial Differential Equations.
- Engineering Mathematics.
- Theory of Elasticity.
- Differential Equations.

AWARDS AND HONORS

- The best paper award, XIII. National Conference of Mechanics, Gaziantep, Turkey, 2003.
- Postdoctoral fellowship, Istanbul Technical University, Turkey, 2000.

- Postdoctoral fellowship, NATO-TUBITAK (The Scientific and Technological Research Council of Turkey), 1999.

REFEREE

- Mechanics Research Communications.
- International Journal of Engineering Science.
- Journal of Computational and Applied Mathematics.
- International Journal of Non-Linear Mechanics.
- Applied Mathematics and Computation.
- Carpathian Journal of Mathematics.
- Journal of the Franklin Institute.
- International Journal of Engineering Education.
- Nonlinear Analysis: Real World Applications.
- Journal of Applied Mathematics.
- Computational Methods in Engineering Science & Mechanics.
- Mathematical Problems in Engineering.
- Applied Mathematical Modelling.
- Abstract and Applied Analysis.
- Computational and Applied Mathematics.
- Journal of King Saud University (Science).
- International Journal of Industrial Mathematics.
- Journal of Engineering Mathematics.
- International Journal of Applied and Computational Mathematics.
- The Arabian Journal for Science and Engineering.

- Discrete and Continuous Dynamical Systems - Series S.
- British Journal of Mathematics & Computer Science.
- Modern Physics Letters B.
- Results in Physics.
- Nonlinear Dynamics.
- Turkish Journal of Mathematics.
- Zeitschrift für Naturforschung A - A Journal of Physical Sciences.
- Nonlinear Engineering – Modeling and Application.
- Journal of Applied Mathematics and Physics.
- Canadian Journal of Physics.
- Acta Polytechnica.
- International Journal of Geometric Methods in Modern Physics.
- Communications in Nonlinear Science and Numerical Simulation.
- Journal Generalized Lie Theory and Applications.
- Kragujevac Journal of Mathematics.
- Mathematical Methods in the Applied Sciences.
- Applied Mathematics & Information Sciences.

ACADEMIC SERVICE

- Plenary Speaker, [**1st International Conference on Applied Analysis, Computation and Mathematical Modelling in Engineering**](#), 24 – 26 February, India, 2021.
- Part Time Lecturer, Department of Civil Engineering, Eastern Mediterranean University, North Cyprus, 2017-2021.

- Elected Examiner for the Permanent Committee for Faculty Academic Promotions at Department of Mathematics at the University, Saudi Arabia, 2016 – 2020.
- Appointed External Examiner for Evaluation of Ph.D Thesis in the Field of Applied Mathematics at the University, South Africa, 2018 – 2020.
- Elected Reviewer for South Africa's National Research Foundation (NRF), 2018 –2020.
- Member of Organizing Committee of 2nd International Congress on Infrastructure and Construction (ICIC-2020), Lisbon, Portugal, 2020.
- Elected Reviewer of American Mathematical Society, 2015 – 2020.
- Member of Scientific Scientific Committee and Invited Lecturer, Workshop on Symmetry, Similarity and Conservation Laws in Solid and Fluid Mechanics, Cargese, France, April 15-21, 2018.
- Appointed Examiner for Evaluation of Ph.D. Thesis in the Field of Applied Mathematics and Mechanics at the University, India, 2018.
- Appointed Examiner for Evaluation of Ph.D. Thesis in the Field of Applied Mathematics at the University, Spain, 2018
- Elected Reviewer for Georgian Rustaveli National Science Foundation (RNSF), in the Field of Applied Mechanics, Georgia, 2011 - 2013, and 2018.
- Chair, [3th International Conference on Symmetries, Differential Equations and Applications, SDEA-III](#), İstanbul, Turkey, 2017.
- Member of Scientific Research Projects Unit (BAP), İstanbul Technical University, 2015 - 2017.

- Invited Speaker, 14th Regional Conference on Mathematical Physics, Islamabad, Pakistan, 2015.
- Chair, [11th International Congress on Advances in Civil Engineering, ACE 2014](#), İstanbul, Turkey, 2014.
- Member of Faculty Board of Faculty of Civil Engineering, Istanbul Technical University, 2012 - 2014.
- Head, Department of Civil Engineering, Istanbul Technical University, 2012 – 2014.
- Elected Member of Faculty Board of Faculty of Civil Engineering, Istanbul Technical University, 2012.
- Lead Guest Editor for a Special Issue of Abstract and Applied Analysis (AAA), 2012-2013.
- Lead Guest Editor for a Special Issue of Advances in Mathematical Physics (AMP), 2011-2012.
- Erasmus Program Coordinator of Civil Engineering Department, İstanbul Technical University, 2008-2012.

PROJECTS

- 2001-2003, [I-Campus Project \(MIT-Microsoft Project\)](#), Researcher, Massachusetts Institute of Technology, U.S.A.
- 2006, Research Project, Principal Investigator, Istanbul Technical University.
- 2014, Research Project, Principal Investigator, Istanbul Technical University.
- 2017, General Research Project, Principal Investigator, Istanbul Technical University.

PUBLICATIONS

1. T. Özer, 2021 (with G. G. Polat), On Ramsey dynamical model and closed form solutions, ***Journal of Nonlinear Mathematical Physics***, (To appear).
2. T. Özer, 2021 (with Ö. Orhan), Exact solutions of nonlinear fin problem with temperature dependent coefficients, ***Journal of Nonlinear Mathematical Physics***, 28: 1, 150-170.
3. T. Özer, 2020 (with G. G. Polat), The group-theoretical analysis of nonlinear optimal control problems with Hamiltonian formalism, ***Journal of Nonlinear Mathematical Physics***, 27: 1, 106-129.
4. T. Özer, 2020 (with G. G. Polat), On group analysis of optimal control problems in the theory of economic growth, ***Discrete & Continuous Dynamical Systems-S***, 13 (10), 2853-2876.
5. T. Özer, 2019 (with Ö. Orhan), On μ -symmetries, μ -reductions, and μ -conservation laws of Gardner equation, ***Journal of Nonlinear Mathematical Physics***, 26:1, 69-90.
6. T. Özer, 2018 (with V. G. Kac, P.J. Olver, and P. Winternitz), *Symmetries, Differential Equations and Applications*, Editorial, ***Proceedings in Mathematics & Statistics***, Springer, Series Volume: 266.
7. T. Özer, 2018 (with Ö. Orhan), New conservation forms and Lie algebras of Ermakov-Pinney equation, ***Discrete & Continuous Dynamical Systems-S***, 11 (4), 735–746.

8. T. Özer, 2018 (with Ö. Orhan), Analysis of Mathews-Lakshmanan dynamical system via Prele-Singer and λ -symmetry approaches, ***Mathematical Physics***, World Sci. Publ., 264-277.
9. T. Özer, 2017 (with G. G. Polat), New conservation laws, Lagrangian forms and exact solutions of modified-Emden equation, ***Journal of Computational and Nonlinear Dynamics***, 12(4), 041001.
10. T. Özer, 2016 (with Ö. Orhan), Analysis of Lienard II-type oscillator equation by symmetry-transformation methods, ***Advances in Difference Equations***, 2016:259.
11. T. Özer, 2016 (with Ö. Orhan), Linearization properties, first integrals and nonlocal transformations for the heat transfer equation, ***International Journal of Modern Physics B***, 30, 28n29, 1640024.
12. T. Özer, 2016 (with G. G. Polat), On analysis of nonlinear dynamical systems via methods connected with λ -symmetry, ***Nonlinear Dynamics***, 85:3, 1571-1595.
13. T. Özer, 2014 (with G. G. Polat and Ö. Orhan), On new conservation laws of fin equation, ***Advances in Mathematical Physics***.
14. T. Özer, 2014 (with G. G. Polat), On conservation forms and invariant solutions for classical mechanics problems of Lienard-type, ***Advances in Mathematical Physics***.
15. T. Özer, 2013 (with A. F. Cheviakov, S. Weichen, N. Migranov, T. R. Sekhar, and E. Yaşar), Editorial, ***Advances in Lie Groups and Applications in Applied Sciences, Abstract and Applied Analysis***.

- 16.T. Özer, 2013 (with G. G. Polat), First integrals, integrating factors and invariant solutions of the path equation based on Noether and Lambda-symmetries, ***Abstract and Applied Analysis***.
- 17.T. Özer, 2013 (with Ö. Orhan and G. G. Polat), On symmetry group classification of fin equation, ***Journal of Inequalities and Applications***, 147.
- 18.T. Özer, 2012 (with V. B. Taranov, R. G. Smirnov, T. Klemas, P. Thamburaja, S. Wijesinghe, and B. Polat), Editorial, *Recent Advances in Analytical Methods in Mathematical Physics*, ***Advances in Mathematical Physics***.
- 19.T. Özer, 2011 (with F. Rezvan and E. Yasar), Group properties and conservation laws for nonlocal shallow water wave equation, ***Applied Mathematics and Computation***, 218, 974-979.
- 20.T. Özer, 2011 (with E. Yasar), On symmetries, conservations laws and similarity solutions of foam drainage equation, ***International Journal of Non-Linear Mechanics***, 46, 357-362.
- 21.T. Özer, 2011 (with E. Yasar), Application of the composite variation principle to shallow water equations, ***Nonlinear Science and Complexity***, Springer, 73-78.
- 22.T. Özer, 2010 (with D. Sahin), Theoretical-group analysis of the inviscid gravity currents, ***Journal of Interdisciplinary Mathematics***, 13, 355-376.
- 23.T. Özer, 2010 (with E. Yasar), On the conservation laws and traveling wave solutions to the BBM equation, ***Journal of Interdisciplinary Mathematics***, 13, 77-86.

24. T. Özer, 2010 (with F. Rezvan), Invariant solutions of integro-differential Vlasov-Maxwell equations in Lagrangian variables by Lie group analysis, ***Computers & Mathematics with Applications***, 59, 3412-3437.
25. T. Özer, 2010 (with E. Yasar), Invariant solutions and conservation laws to nonconservative FP equation, ***Computers & Mathematics with Applications***, 59, 3203-3210.
26. T. Özer, 2010 (with E. Yasar), Conservation laws for one-layer shallow water wave systems, ***Nonlinear Analysis: Real World Applications***, 11 (2), 838-848.
27. T. Özer, 2010 (with D. Sahin and N. Antar), Lie group analysis of gravity currents, ***Nonlinear Analysis: Real World Applications***, 11 (2), 978-994.
28. T. Özer, 2009, New traveling wave solutions to AKNS and SKdV Equations, ***Chaos, Solitons & Fractals***, 42, 577-583.
29. T. Özer, 2009, The Lie algebra of point symmetries of nonlocal collisionless Boltzmann equation in terms of moments, ***Chaos, Solitons & Fractals***, 40, 793-802.
30. T. Özer, 2009, New exact solutions to CDF equations, ***Chaos, Solitons & Fractals***, 39, 1371-1385.
31. T. Özer, 2008, Symmetry group analysis and similarity solutions of variant nonlinear long -wave equations, ***Chaos, Solitons & Fractals***, 33, 722-730.
32. T. Özer, 2008, An application of symmetry groups to nonlocal continuum mechanics, ***Computers & Mathematics with Applications***, 55, 1923-1942.

- 33.T. Özer, 2008 (with N. Antar), The similarity forms and invariant solutions of two-layer shallow-water equations, ***Nonlinear Analysis: Real World Applications***, 9 (3), 791-810.
- 34.T. Özer, 2007, The group-theoretical analysis of nonlocal Benney equation, ***Reports on Mathematical Physics***, 60 (1), 13-37.
- 35.T. Özer, 2005, Symmetry group analysis of Benney system and an application for the shallow-water equations, ***Mechanics Research Communications***, 2 (3), 241-254.
- 36.T. Özer, 2005 (with S. S. Akhiev), Symmetry groups of the equations with nonlocal structure and an application for the collisionless Boltzmann equation, ***International Journal of Engineering Science***, 43(1-2), 121-137.
- 37.T. Özer, 2004 (with E. G. Cravalho), On developments in interactive web-based learning modules in a thermal-fluids engineering course: Part II, ***International Journal of Engineering Education***, 20(5), 849-860.
- 38.T. Özer, 2004, On symmetry group properties and general similarity forms of the Benney equations in the Lagrangian variables, ***Journal of Computational and Applied Mathematics***, 169(2), 297-313.
- 39.T. Özer, 2003, Symmetry group classification for two-dimensional elastodynamics problems in nonlocal elasticity, ***International Journal of Engineering Science***, 41(18), 2193-2211.
- 40.T. Özer, 2003, Symmetry group classification for one-dimensional elastodynamics problems in nonlocal elasticity, ***Mechanics Research Communications***, 30(6), 539-546.

41. T. Özer, 2003, Solutions of Navier equations of classical elasticity using Lie symmetry groups, ***Mechanics Research Communications***, 30(2), 193-201.
42. T. Özer, 2003 (with M. Kenworthy, J. G. Brisson, E. G. Cravalho and G. H. McKinley), On developments in interactive web-based learning modules in a thermal-fluids engineering course, ***International Journal of Engineering Education***, 19(2), 305-315.
43. T. Özer, 2000, Solution of the Boussinesq problem using Lie symmetries, ***Mathematical and Computational Applications***, 5(1), 1-11.
44. T. Özer, 1999, On the symmetry group properties of equations of nonlocal elasticity, ***Mechanics Research Communications***, 26(6), 725-733.

MEMBERSHIPS

- SIAM (*Society for Industrial and Applied Mathematics*), 2013-
- AMS (*American Mathematical Society*).

Mc.S. STUDENTS

- Derya Şahin, *Lie group analysis of gravity currents*, İstanbul Technical University, Institute of Science and Technology, 2007.

Ph.D. STUDENTS

- Özlem Orhan, *Symmetry Group Classification of Some Problems in Mathematical Physics*, İstanbul Technical University, Institute of Science and Technology, 2018.
- Gülden Gün Polat, *Conservation Laws, First Integrals, Integration Factors, Symmetry Group Classifications and Similarity Solutions of Differential Equations*, Ege University, Institute of Science and Technology, 2017.

- Farshad Rezvan, *Lie Symmetry Groups and Their Applications in Partial Differential Equations*, Tabriz University, Faculty of Mathematical Sciences, Iran, 2010.
- Emrullah Yaşar, *Local and Nlocal Conservation Laws of Evolution Equations*, Uludağ University, Institute of Science and Technology, 2009.

CONFERENCES

- T. Özer, 2018 (with G. Gün Polat, and A. Coşkun Özer), Closed-form solutions of optimal growth model with environmental asset, ***International Conference on Mathematical Advances and Applications, (ICOMAA 2018)***, May 11-13, İstanbul, Turkey.
- T. Özer, 2017 (with Ö. Orhan), μ -Symmetry classification and reductions of Gardner equation, ***III. International Conference on Symmetries, Differential Equations and Applications (SDEA-III)***, August 14 -17, İstanbul, Turkey.
- T. Özer, 2017 (with G. Gün Polat), Conservation laws, first integrals and integrating factors of Liénard I-type and Liénard II-type equation, ***III. International Conference on Symmetries, Differential Equations and Applications (SDEA-III)***, August 14 -17, İstanbul, Turkey.
- T. Özer, 2017 (with Ö. Orhan), Application of symmetry approach of the heat transfer equation , ***International Workshop on Mathematical Methods in Engineering (MME2017)***, 27-29 April, Ankara, Turkey.
- T. Özer, 2017 (with Ö. Orhan), Symmetries of a generalized variable-coefficient Gardner equation, ***II. International Academics Research Conference (INES-II)***, October 18 -21, Alanya, Antalya, Turkey.

- T. Özer, 2016 (with Ö. Orhan), Using symmetries in solving differential equations, ***International Academic Research Conferences (INES2016)***, 3-5 October, Antalya, Turkey.
- T. Özer, 2016 (with Ö. Orhan), On the linearization of Ermakov-Pinney equation via generalized Sundman transformation, ***International Congress on Fundamental and Applied Sciences (ICFAS)***, 22-26 August, Istanbul, Turkey.
- T. Özer, 2016 (with Ö. Orhan), On the general solution and symmetries for fin equation based on the time-independent integral, the Lagrangian and the Hamiltonian functions, ***11th AIMS Conference on Dynamical Systems, Differential Equations and Applications***, 1-5 July 2016, Orlando, USA.
- T. Özer, 2015 (with Ö. Orhan), On solutions of some second-order ordinary differential equations by Jacobi last multiplier method, ***4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015)***, 31 August-3 September, Athens, Greece.
- T. Özer, 2015 (with Ö. Orhan), Therotical methods of heat transfer equation by transformation methods, ***14. Regional Conference on Mathematical Phycics***, 9-14 November, Islamabad, Pakistan.
- T. Özer, 2015 (with Ö. Orhan), Conservation laws of Ermakov-Pinney equation, ***The International Conference Mathematical and Computational Modelling in Science and Technology (ICMCMST 2015)***, 2-7 August, Izmir, Turkey.

- T. Özer, 2015 (with Ö. Orhan), Application of extended Prele-Singer method for second order differential equation, **Equadiff 2015**, 6-10 July, Lyon, France.
- T. Özer, 2015 (with Ö. Orhan), The Solutions of Painlevé-Gambier equations with first integral of the form $C(t) + 1/(A(t,x) + B(t,x))$. **International Conference on Applied Analysis and Mathematical Modelling (ICAAMM2015)**, 8-12 June, Istanbul, Turkey.
- T. Özer, 2014 (with O. Orhan), The first integrals of the form $A(t,x)x' + B(t,x)$ and symmetry classification of the second order differential equations, **ACE 2014 (11 th International Congress on Advances in Civil Engineering)**, October 21-25, İstanbul, Turkey
- T. Özer, 2014 (with O. Orhan), On the integrability and linearization of the second order differential equations via first integrals and Sundman transformations, **IC-MSQUARE 2014 International Conference on Mathematical Modeling in Physical Sciences**, August 28-31, Madrid, Spain.
- T. Özer, 2014 (with O. Orhan), Determination of first integrals and symmetries of the second order ordinary differential equations using linearization methods, **The 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications**, July 07-11, Madrid, Spain.
- T. Özer, 2014 (with O. Orhan), On analysis of Mathews-Lakshmanan oscillator equation via nonlocal transformation and Lagrangian-Hamiltonian description, **International Congress in Honour of Professor Ravi P. Agarwal**, June 23-26, Bursa, Turkey.

- T. Özer, 2014 (with G. Gün Polat), New Lagrangian forms of modified Emden equation by Jacobi method, ***International Congress in Honour of Professor Ravi P. Agarwal***, June 23-26, Bursa, Turkey.
- T. Özer, 2014 (with G. Gün Polat), Linearization with Sundman and nonlocal transformations for quadratic Lienard type equation, ***(SDEA-II), Symmetries, Differential Equations and Applications***, 27-30 January, Islamabad, Pakistan.
- T. Özer, 2013 (with Ö. Orhan and G. Gün Polat), On λ -symmetry classification and conservations laws of differential equations, ***SIAM Conference on Analysis of Partial Differential Equations (PD13)***, 7-11 December, Orlando, U.S.A.
- T. Özer, 2013 (with Ö. Orhan), λ -symmetry classification and integrating factors of Fin equation. ***International Conference on Applied Analysis and Mathematical Modelling (ICAAMM2013)***, 2-5 June, İstanbul, Turkey
- T. Özer, 2013 (with G. Gün Polat), Comparison of symmetries based on different approaches for Fin problem. ***International Conference on Applied Analysis and Mathematical Modelling (ICAAMM2013)***, 2-5 June, İstanbul, Turkey
- T. Özer, 2012 (with Ö. Orhan, G. Gün Polat and Y. A. Altundag), On symmetry group classifications of Fin equation. ***International Congress in Honour of Professor H. M. Srivastava***, 23-26 August, Bursa, Turkey
- T. Özer, 2010 (with F. Rezvan and E. Yasar), Group properties and conservation laws for nonlocal shallow water wave equation. ***International***

Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary, 18-21 August, Bursa, Turkey.

- T. Özer, 2009 (with E. Yasar), Lie group analysis and conservation laws to the foam drainage equation. ***XVI. National Conference of Mechanics***, 22-26 June, Kayseri, Turkey.
- T. Özer, 2009 (with F. Rezvan), Symmetries of integro-differential equation for a plasma physics problem, ***International Conference on Differential and Integro-Differential Equations, MOGRAN-13***, 18-22 June, Ufa, Russia.
- T. Özer, 2008 (with D. Sahin), Lie group analysis of the inviscid gravity currents, ***Pre-ICM International Convention on Mathematical Sciences***, 18-20 December, Delhi, India.
- T. Özer, 2008 (with E. Yasar), Conservation laws, potential symmetries and invariant solution for non-conservative one dimensional Fokker-Planck equation, ***20th International Congress of Jangjeon Mathematical Society***, 21-23 August, Bursa, Turkey
- T. Özer, 2008 (with E. Yasar), Application of the composite variational principle to shallow-water equations. ***II. Conference on Nonlinear Science and Complexity***, 28-31 July, Porto, Portugal.
- T. Özer, 2007 (with D. Sahin and N. Antar), Symmetry group properties and similarity solutions of gravity currents. ***XV. National Conference of Mechanics***, Isparta, Turkey, 3-7 September, pp. 683-690.

- T. Özer, 2006 (with E. Hızal and N. C. Turgay), On the symmetries and symmetry reductions of Benjamin-Bona-Mahony equation, ***XIX. National Mathematics Conference***, 22-25 August, Kütahya, Turkey.
- T. Özer, 2005 (with N. Antar), Symmetry group properties of two-layer shallow-water equations, ***XIV. National Conference of Mechanics***, Antakya, Turkey, 12-16 September, pp. 671-679.
- T. Özer, 2004, On symmetry group properties of the Benney equations, ***Fifth International Conference on Symmetry in Nonlinear Mathematical Physics***, National Academy of Sciences of Ukraine, Institute of Mathematics, Kiev, Ukraine, 21-28 June, pp. 214-219.
- T. Özer, 2004 (with S. S. Akhieiev), A direct method for investigation of symmetry groups of integro-differential equations, ***XIII. National Conference of Mechanics***, Gaziantep, Turkey, 8-12 September, pp. 71-79.
- T. Özer, 1999, Calculation of Boussinesq problem using Lie symmetries, ***International Conference on Differential Equations, EQUADIFF 99***, 1-7 August, Berlin, Germany.
- T. Özer, 1999, On the symmetry groups of the two-dimensional elastodynamics problem of nonlocal elasticity, ***Second International Symposium on Mathematical and Computational Applications***, September 1-3, Baku, Azerbaijan.
- T. Özer, 1999, Solution of the two-dimensional elastodynamics problem using Lie symmetries, ***XI. National Conference of Mechanics***, 6-10 September, Bolu, Turkey.

SEMINARS AND INVITED TALKS

- Dynamical systems and conservation forms, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2015 (with Ö. Orhan).
- New conserved forms of some problems in Mechanics, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2012 (with G. Gün).
- A general discussion on the engineering education in Turkey, **Uludağ University**, Faculty of Engineering and Architecture, Bursa, 2009.
- Similarity solutions of gravity currents, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2009 (with D. Sahin).
- Conservation laws for some partial differential equations, Workshop on Mathematical Methods in Applied Sciences, **Uludağ University**, Bursa, 2008 (with E. Yasar).
- Nonlocal equations and symmetry group applications in mechanics, Workshop on Mathematical Methods in Applied Sciences, **Uludağ University**, Bursa, 2008.
- Conservation laws for evolution equations, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2008 (with E. Yasar).
- Symmetries and Nonlocal Continuum Mechanics, **National Academy of Sciences of Ukraine, Institute of Mathematics**, Kiev, Ukraine, 2007.

- An approach for solving nonlocal determining equations, *IMA Summer School, University of Minnesota* (Poster Presentation), Minneapolis, U.S.A., 2006.
- Applications of Information Technologies in Mechanics Education, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2006.
- Symmetry group analysis of nonlocal equations in Mathematical Physics and new approaches, Department of Mathematics Seminar, **Istanbul Technical University**, Faculty of Science and Letter, Mathematics Department, 2005.
- A new approach for symmetry group analysis of nonlocal equations with general form, **National Academy of Sciences of Ukraine, Institute of Mathematics**, Kiev, Ukraine, 20-26 June, 2005.
- Web-based education models and applications, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2005.
- Applications of the Lie groups to integro-differential equations, Mathematical Physics Seminar, **University of Minnesota**, School of Mathematics, Minneapolis, U.S.A., 2004.
- On the symmetry group properties of equations with nonlocal structures, Differential Equations and Applications Seminar, **Istanbul Technical University**, Faculty of Science and Letter, Department of Mathematics, 2004.
- On the symmetry group properties of differential equations, Mustafa İnan Seminar, **Istanbul Technical University**, Department of Civil Engineering, 2004.

