

Curriculum Vitae



Dr. Alireza Ganjovi

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Home Address

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Work Address

Photonics Research Institute, Graduate University of Advanced Technology, Haft Bagh Highway, P. O. Box: 7631133131, Mahan, Kerman, Iran.

Major Areas of Interest

Plasma and Laser Technologies and Their Industrial Applications mainly including: Innovative Systems for Disinfection and Removing the Environmental Pollutants Based on Plasma, UV and Ozone, Laser-Material Interactions, High Voltage Systems.

Educational Background

December 2005- February 2011 (Thesis Submitted on 8th of December 2009),

Ph.D in Electrical Engineering (Applied Physics: Gaseous Discharges), Indian Institute of Technology (IIT), Kanpur, India. The title of thesis: “**Modeling of Gaseous Plasma Discharges within Narrow Dielectric Channels**”. Cumulative performance index (CPI): 9.5 out of 10.

September 1999- September 2002

M. Sc in Atomic and Molecular Physics, Shahid Bahonar University of Kerman, Iran. The title of thesis: “**Theoretical Analysis of Electrical Transient Behavior of TEA CO₂ Laser**”. Marks: 17.11 out of 20, **Second rank holder**.

February 1994- September 1999

B. Sc in Applied Physics, Shahid Bahonar University of Kerman, Iran. The title of project: “**Furrier Analysis in Diffraction Theory**”. Marks: 16.08 out of 20, **First rank holder**.

Major Subjects Taught

- Plasma Medicine (M. Tech)
- Dusty Plasmas (Ph. D)
- Plasma Chemistry (M. Tech)
- Plasma Sources (Ph. D)
- Plasma Applications (Ph. D)
- Laser-Plasma Interactions (M. Sc)
- Plasma Spectroscopy (Ph. D)
- Charged Particles Beams (M. Sc)
- Plasma Electrodynamics (Ph. D)
- Foundations of RF and Microwave Engineering (ME)
- Computational Physics for Nano-Metric Systems (M. Sc)

- Insulators and High Voltage Engineering Systems (BE)
- Gas Discharge Physics (Ph. D)
- Plasma Engineering 1 (ME)
- Plasma Engineering 2 (ME)
- Advanced plasma physics (ME)
- Simulation and modeling (M. Sc)
- Statistical and solid state physics (M. Sc)
- Basic physics and laboratories (B. Sc)
- Electronics laboratories (B. Sc)

Major Programming Skills

Fortran, C (Unix/Linux), Pascal and some other software such as Mathematica, Matlab, Maple, etc.

Workshops/Short term Courses Attended (With Certificate)

- Workshop on “**Dye Laser and Its Applications**”, 3-7 June 2005, International Center of Science & High Technology & Environmental Science, Mahan, Kerman, Iran.
- Workshop on “**Wavelets Theory**”, 10-11 July 2005, Valie Asr University of Rafsanjan, Rafsanjan, Iran.
- Short-term course on “**Plasma-Basics and Industrial Applications**”, 3-4 November 2007, Indian Institute of Technology, Kanpur, India.
- Short-term course on “**Recent Advances in Testing and Design of Electrical Insulation**”, 17-23 December 2007, Indian Institute of Technology, Kanpur, India.
- Short-term course on “**Mathematical Methods in Engineering and Science**”, 19-31 January 2009, Indian Institute of Technology, Kanpur, India.
- Short-term course on “**Organic Electronics and Photovoltaic Systems**”, 6-14 July 2009, Indian Institute of Technology, Kanpur, India.
- Indo-US Work-Shop on “**System of System Engineering**”, 26-28 October 2009, Indian Institute of Technology, Kanpur, India.

Major Working and Teaching Experiences

2000-2002

Teaching of electronics and basic physics laboratories, Shahid Bahonar University of Kerman as well as Azad University of Kerman, Iran.

2003-2005

Teaching of basic physics laboratories and physics course-works, Valie Asr University of Rafsanjan, Rafsanjan, Iran.

2003-present

Faculty member (Associate Professor) of the Photonics Research Institute, Graduate University of Advanced Technology (International Center for Science & High Technology & Environmental Science (ICST)), Kerman, Iran.

2010-present

Teaching of graduate course-works, Graduate University of Advanced Technology, Kerman, Iran.

2012-2016

Teaching of Under-graduate course-works, Shahid Bahonar University, Kerman, Iran.

Major Research Projects

2002-2003

Principal investigator on the research project of "**Theoretical Analysis of Time-Dependent Behaviors in a Compact TEA CO₂ Laser**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2003-2005

Carrying out the research as colleague investigator on research project of "**Theoretical Analysis of Time-Dependent behaviors in an Ultra-Simple Structure TEA CO₂ Laser**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2006-2008

Project Senior Research Associate (PSRA) on project of “**Modeling of the Gaseous Discharges in Stationary Plasma Thruster**”, Indian Institute of Technology (IIT), Kanpur, India.

2008-2009

Project Senior Research Associate (PSRA) on project of “**Polymer Dielectrics With Nano-Sized Fillers**”, Indian Institute of Technology (IIT), Kanpur, India.

2010-2011

Principal investigator on the research project of "**Simulation of Micro-Discharges in Voids with Sub-Millimeter Dimensions in polymeric materials**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2011-2012

Principal investigator on the research project of "**Parametric investigation of PD pulses in Voids with Sub-Millimeter Dimensions in polymeric materials**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2011-2012

Principal investigator on the research project of "**Two Dimensional Computer Model for Interaction of Gas Discharge Plasma within Voids of Sub-Millimeter Dimensions with Insulating Dielectric Material**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2011-2102

Principal investigator on the research project of "**Transport of nano-particles in silane plasma and formation of amorphous silicon thin films (a-Si: H)**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2011-2012

Principal investigator on the research project of "**Operation of an electrodeless plasma bulb mounted on a dielectric waveguide as an effective light source**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2012-2014

Principal investigator on the research project of "**Optimization of plasma antenna parameters**", Iran National Science Foundation.

2012-2013

Principal investigator on the research project of "**A model for Study of Degradation of Surrounding Dielectrics of a Micro-Channel Due to Partial Discharges**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2013-2014

Principal investigator on the research project of "**Parametric Study of Degradation of Surrounding Dielectrics of a Micro-Channel Due to Partial Discharges**", International Center for Science & High Technology & Environmental Science (ICST), Kerman, Iran.

2013-2014

Principal investigator on the research project of "**Designing and simulation of VASMIR Engine as a propulsion system for satellites**", Governmental project.

2014-2015

Principal investigator on the research project of "**Investigation of impedance matching and radiation efficiency of plasma antenna**", Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran.

2015-2016

Principal investigator on the research project of "**Designing and manufacturing of sliding arc plasma reactor for reforming of methane to syngas**", Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran.

2016-2018

Principal investigator on the research project of "**Designing and manufacturing of plasma jet mixture of argon, nitrogen and oxygen**", Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran.

2019-2020

Principal investigator on the research project of "**Developing of a pilot plant for decontamination of food materials and agricultural products based on the cold atmospheric pressure plasma**", Iranian Vice-Presidency for Science and Technology, Tehran, Iran.

2020-present

Principal investigator on the research project of "**Study of Influences of Raman and Brillouin scatterings and filamentation Instability on the THz Radiation Generation in the Laser-Plasma Interactions**", Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran.

2022-present

Principal investigator on the research project of "**Designing of a System to Produce Atto-second laser Beams based on the Interaction of High Power Laser Pulsed with the Solid Surfaces**", Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran.

Major Technological and Innovative Projects

Designing and manufacturing of the following technological and innovative systems:

- A pilot plant for a potable plasma discharge pilot plant for H₂O₂ production from water vapor.
- A pilot plant for a system based on the Simultaneous using of the electrical plasma discharges, UV radiation and ozone injection for wastewaters refinement.
- A pilot plant for a plasma reactor for the simultaneously removing of pollutants from the exhausts of industrial plant.
- A pilot plant for an industrial plasma tunnel for disinfection and durability increasing of food and Agricultural Products before and after packaging.
- A pilot plant for an industrial UV tunnel for disinfection and durability increasing of food and Agricultural Products.
- Various UV air purifier and sanitizers.
- An ozone generator for air and water disinfection.
- A pilot plant for an industrial plasma cabinet for disinfection and durability increasing of herbal plants Products.
- An industrial ozone generator for water disinfection.
- A pilot plant for an industrial UV cabinet for disinfection and durability increasing of food and agricultural Products.
- Anti-statics ion bar eliminator (Static charge remover).
- A system to produce Plasma Activated Water (PAW).
- Designing and Implementation of a Plasma Reactors in the Chimneys of Thermal Power Plants for simultaneous removal of SO₂, NO_x, CO_x, etc.
- UV disinfection systems for the air conditioning systems of large buildings.
- Designing and manufacturing of the advanced magnetic dust collector systems for mineral processing and other industries.
- Various plasma jets that have found a lot of applications in recent years such as in material processing, surface modification, biomedical material processing, and thin film deposition.

Publications

- 1- A. Shamsi, A. Ganjovi, A. Shayegani Akmal, “**Charge Transfer Evaluation in Solid Insulating Materials Encapsulating the Gaseous Voids of Sub-Millimeter Dimensions Using Transmission Line Method**”, Accepted for Publication in Turkish Journal of Electrical Engineering & Computer Sciences.
- 2- A. Shamsi, A. Ganjovi, A. Shayegani Akmal, “**Numerical study of heat transfer in high voltage solid insulating materials using transmission line method**”, COMPEL-The international journal for computation and mathematics in electrical and electronic engineering, <https://doi.org/10.1108/COMPEL-01-2022-0049>
- 3- B. Ebrahimipour, A. Ganjovi, M. Taraz, M. Zamani, H. Noori, “**On the effect of Stimulated Raman Scattering on THz radiation in the Laser Plasma Interactions**”, Chinese Journal of Physics, Vol. 60, 2022, <https://doi.org/10.1016/j.cjph.2022.03.046>
- 4- S. F. P. Mousavi, A. Eskandarizadeh, A. Ganjovi, H. zia edini, S. Shaykhian, M. H. Sobhani Poor, A. Saidi, A. Falahat, S. Derakhshan, “**Evaluation of a Non-Thermal Atmospheric Pressure Plasma Jet Effects on the Prevention of Enamel Demineralization During Fixed Bracket Treatment**”, Plasma Medicine, Vol. 12, No. 2, pp. 15–26, 2022.
- 5- S. F. Peyro Mousavi, A. Ganjovi, A. Eskandarizadeh, A. Saidi, E. Isaei, “**Evaluating the antibacterial effect of synthesized herbal toothpastes and their efficacy for dentine tubule occlusion: Scanning electron microscopy and energy-dispersive X-ray spectroscopy analysis**”, Microsc Res Tech. 2021;1–9, 10.1002/jemt.23881.
- 6- S. F. Peyro Mousavi, A. Ganjovi, M. Parirokh, A. Derakhshani, A. Eskandarizadeh, A. Saidi, A. Falahat, “**Effects of Non-Thermal Atmospheric Pressure Plasma Jet on Human Dental Pulp Stem Cells**”, Vol. 11, No. 3, pp. 41–58, 2021, Plasma Medicine, DOI: 10.1615/PlasmaMed.2021040860.
- 7- A. Barkhordari, A. Ganjovi, I. Mirzaei, “**Experimental Study of a Positive DC Corona Jet Working with Ar/CO₂ Gaseous Mixture**”, Pramana Journal of Physics, Vol. 95, No. 62, 2021, <https://doi.org/10.1007/s12043-021-02090>.
- 8- A. Shamsi, A. Ganjovi, A. Shayegani Akmal, “**Simulation of Space Charge Transport in Solid Dielectric Materials Using Transmission Lines Modeling Method**”, Journal of Advanced Dielectrics, Vol. 9, No. 6, 2019, DOI: 10.1142/S2010135X19500516.
- 9- A. Barkhordari, A. Ganjovi, “**Technical Characteristics of a DC Plasma Jet with Ar/N₂ and O₂/N₂ Gaseous Mixtures**”, Chinese Journal of Physics, Vol. 57, 2019, <https://doi.org/10.1016/j.cjph.2018.10.017>.
- 10- R. Jaafarian, A. Ganjovi, “**Using RF Inductive Rings to Improve the Efficiency of a Designed Pulsed Plasma Jet**”, Indian Journal of Physics, Vol. 93, 2019.
- 11- S. Namvar, A. Ganjovi, M. Bassam, “**Study of Laser Ablation Using Nano-second Laser Pulses**”, Iranian Journal of Physics Research (IJPR), Vol. 19, 2019.
- 12- A. Barkhordari, A. Ganjovi, I. Mirzaei, A. Falahat, “**Study of the Physical Discharge properties of a Ar/O₂ DC Plasma Jet**”, Indian Journal of Physics, Vol. 92, 2018, <https://doi.org/10.1007/s12648-018-1197-1>.
- 13- R. Jaafarian, A. Ganjovi and G. R. Etaati, “**Study of the Operating Parameters of a Helicon Plasma Discharge Source Using PIC-MCC Simulation Technique**”, Physics of Plasmas, Vol. 25, 2017.

- 14- A. Falahat, A. Ganjovi, M. Taraz, M. N. Rostami Ravari, A. Shahedi, "**Optical Characteristics of a RF DBD Plasma Jet at the Various Ar/O₂ Mixtures**", *Pramana Journal of Physics*, Vol. 90, No. 27.
- 15- M. N. Rostami Ravari, A. Ganjovi, F. Shojaei, A. Falahat, "**Temperature measurements in a manufactured RF plasma jet at the various Ar/N₂ mixtures**", *Turkish Journal of Physics*, doi: 10.3906/fiz-1705-10.
- 16- A. Barkhordari, A. Ganjovi; I. Mirzaei; A. Falahat and M. N. Rostami Ravari, "**A Pulsed Plasma Jet with the Various Ar/N₂ Mixtures**", *Journal of Theoretical and Applied Physics*, <https://doi.org/10.1007/s40094-017-0271-y>.
- 17- M. Afsharipour, K. Jaafri Naeemi, A. Ganjovi, "**Manufacturing and Evaluation of Tribo-Aero-Electrostatic for separation of Impurities from Khakshir Seeds**", *Biosystem Engineering of Iran*, Vol. 47, No. 2, pp.383-392, 2016.
- 18- M. S. Soltani Gishini, A. Ganjovi, "**THz radiation generation via the interaction of two-colour ultra-short laser pulses with SO₂ and NH₃ gases**", *Contributions to Plasma Physics*, Vol. 57, No. 6-7, pp. 293, 2017.
- 19- R. Jaafarian, A. Ganjovi and G. R. Etaati, "**Kinetic study of instability growth rate in a helicon plasma discharge source**", *Contributions to Plasma Physics*, Vol. 57, No. 6-7, pp. 272, 2017.
- 20- M. S. Soltani Gishini, A. Ganjovi, "**Study of terahertz generation via the interaction of two-color ultra-short laser pulses with water vapor plasmas**", *J. Appl. Phys.*, Vol. 120, pp. 243303, 2016, doi: 10.1063/1.4972835.
- 21- M. S. Soltani Gishini, A. Ganjovi, M. Taraz and M. Saeed, "**PIC-MCC Simulation of a Plasma Column Driven by Surface Wave Plasma Discharges**", *International Journal of Optics and Photonics (IJOP)*, Vol. 12, No. 1, pp. 21, 2018.
- 22- M. S. Soltani Gishini, A. Ganjovi, M. Saeed, "**THz Radiation Generation via the Interaction of Ultra-Short Laser pulses with the Molecular Hydrogen Plasma**", *Contributions to Plasma Physics*, Vol. 57, No. 1, pp. 29 – 39, 2017, DOI 10.1002/ctpp.201600040.
- 23- M. S. Soltani Gishini, A. Ganjovi, M. Saeed, "**Kinetic study of terahertz generation based on the interaction of two-color ultra-short laser pulses with molecular hydrogen gas**", *Physics of Plasmas*, Vol. 23, pp. 063101-2-1-14, 2016.
- 24- S. Shahsavari, A. Ganjovi, A. Ahmadi, F. Shojaei, "**Numerical Study of the Sour Gas Reforming in a DBD Reactor**", *Iranian Journal of Oil & Gas Science and Technology (IJOGST)*, Vol. 5, No. 4, pp. 36-52, 2016.
- 25- A. Ganjovi, "**A parametric study on the PD pulses activity within micro-cavities**", *Journal of Theoretical and Applied Physics (JATP)*, Vol. 10, pp. 61-74, 2016, doi: 10.1007/s40094-015-0202-8.
- 26- R. Torabi, H. Saghafifar, A. M. Koushki and A. Ganjovi, "**Simulation and initial experiments of a high power pulsed TEA CO₂ laser**", *Phys. Scr.* Vol. 91, pp. 015501-1-9, 2015.
- 27- M. Abedi-Varaki, A. Ganjovi, F. Shojaei, Z. Hassani, "**A model based on equations of kinetics to study nitrogen dioxide behavior within a plasma discharge reactor**", *Journal of Environmental Health Science & Engineering*, DOI 10.1186/s40201-015-0228-5, 2015.
- 28- Z. Dehghanifard, A. Ahmadi, A. Ganjovi, M. A. Bolorizadeh, "**Space-Time Coupled Finite Element Simulation of PECVD Reactor**", *Int. J. Appl. Comput. Math.*, 2015, DOI 10.1007/s40819-015-0061-7.
- 29- S. Moradi, A. Ganjovi, F. Shojaei, M. Saeed, "**Parametric Study of Broadband THz Radiation Generation Based on Interaction of Two-Color Ultra-Short Laser Pulses**", *Physics of plasmas*, Vol. 22, pp. 043108-1-10, 2015, doi: 10.1063/1.4916123.
- 30- M. S. Soltani Gishini, A. Ganjovi, M. Taraz, M. Saeed, "**Optimization of Operating Parameters of Plasma Antenna**", *Contributions to Plasma Physics*, Vol. 55, no. 8, pp. 586-595, 2015.
- 31- S. Moradi, A. Ganjovi, F. Shojaei, M. Saeed, "**Parametric Study of Broadband THz Radiation Generation Based on Interaction of Two-Color Ultra-Short Laser Pulses**", *Physics of plasmas*, Vol. 22, pp. 043108-1-10, 2015, doi: 10.1063/1.4916123.
- 32- Z. Attari, A. Ganjovi, H. Ghazizade-Ahsae, "**Numerical Simulation of Thermal Plasma Spray**", *Advanced Processes in Materials Engineering*, Vol. 9, No. 4, pp. 107-128, 2015. (in Persian Language).
- 33- A. Ganjovi, "**Estimation of Photo-Degradation of Dielectrics Surrounding the Narrow Channel Due to PD Activity**", *Journal of Theoretical and Applied Physics (JATP)*, Vol.8, no. 4, pp.147-168, 2014, doi: 10.1007/s40094-014-0144-6.
- 34- A. Ganjovi, "**A Parametric Study of Evaluation of Damage into Solid Dielectrics Due to PD Activity Using a Kinetic Model**", *Majlesi Journal of Electrical Engineering (MJEE)*, Vol. 8, No. 3, 2014.
- 35- A. Ganjovi, "**Effect of Electric Field on PD Activity and Damage into Solid Dielectric materials**", *International Journal of Mathematical Modelling & Computations (IJM2C)*, Vol. 4. No. 3, pp. 243-265.
- 36- A. Ganjovi, S. Khezripour, "**Description of characteristics of the charge transfer within solid insulating materials**", *International Journal on Technical and Physical Problems of Engineering (IJTPE)*, Vol. 6, no. 1, pp. 46-55, 2014.
- 37- A. Ganjovi, "**Degradation of Surrounding Dielectrics of a Micro-Channel Due to Partial Discharges, Part 2: Parametric Study**", *International Review of Modeling and Simulations (I.R.E. MO. S)*, Vol. 6, no. 2, 2013.
- 38- A. Ganjovi, A. Mirzaei, S. Sadr, A. Mojtahedzadeh, "**Degradation of Surrounding Dielectrics of a Micro-Channel Due to Partial Discharges, Part 1: The Model**", *International Review of Modeling and Simulations (I. R. E. MO. S)*, Vol. 5, no. 5, pp. 2338-2347, 2012.
- 39- A. Ganjovi, G. Rastpour, "**Modeling of Distribution of PD Pulses within Micro-Cavities**", *International Review of Modeling and Simulations (I.R.E. MO. S)*, Vol. 4, no. 2, pp. 219-227, 2011.
- 40- A. Ganjovi, N. Gupta, Gorur R. Govinda Raju, "**A kinetic model of a PD pulse within voids of sub-millimeter dimensions**",

IEEE Transaction on Dielectrics and Electrical Insulation (TDEI), Vol. 16, no. 6, pp. 1743-1754, 2009.

- 41- A. Ganjovi, N. Gupta, "**Parametric investigation of stationary plasma thruster performance**", Electrical Engineering (Springer), Vol. 90, pp. 551-558, 2009.
- 42- A. Bahrampour, R. Fallah, A. Ganjovi and A. Bahrampour, "**Theoretical investigation of dielectric corona pre-ionization TEA nitrogen laser based on transmission line method**", Optics and laser technology, Vol. 39, no. 5, 2006.
- 43- A. Bahrampour, A. Ganjovi, S. M. B. Marashi, A. Parsafar, A. Bahrampour, "**Theoretical and experimental analysis of an ultra-simple structure TEA CO₂ laser**", Hadronic Journal, Vol. 29, 2006.
- 44- A. Bahrampour and A. Ganjovi, "**Theoretical analysis of electrical transient behavior in TEACO₂ laser with dielectric corona pre-ionization**", J. Phys. D: Appl. Phys., Vol. 36, pp. 2487-2497, 2003.

Presentations

1. A. Ganjovi, "**Applications of Cold Plasma and UV Radiation Technologies in Disinfection and Increasing the Shelf-Life of Food and Agricultural Products**", Iran's International Congress of Microbiology, August 2022, School of Medicine, Tehran University of Medical Science, Tehran, Iran.
2. Z. Shabanmoghaddam, A. Ganjovi, S. Safari, M. Golshani, "**Surface modification of fiberglass through cold plasma**", The 9th Iranian Conference on Plasma Physics and Engineering, June 2022, Gonbad Kavoods, Iran.
3. M. Mohammadpoorkermany, A. Ganjovi, H. Mashayekhi, S. Karimiankhanaman, "**Plasma simulation and measurements with developed double Langmuir probe**", The 9th Iranian Conference on Plasma Physics and Engineering, June 2022, Gonbad Kavoods, Iran.
4. F. Baziyari, A. Ganjovi, R. Jaafarian, A. Shamsi, "**Designing a plasma reactor for H₂O₂ production from the water vapour**", The 9th Iranian Conference on Plasma Physics and Engineering, June 2022, Gonbad Kavoods, Iran.
5. F. Baziyari, A. Ganjovi, B. Edalati, S. Karimian, "**Designing and Manufacturing of a Plasma Reactor for Hydrogen Peroxide Generation**", The national Conference on Technological Advances in Applied Physics, March 2022, Kerman, Iran.
6. M. Mohammadpour, A. Ganjovi, H. Mashayekhi, S. Karimian, "**Design and Fabrication of a Langmuir Double Probe to Study the Properties of Plasma**", The national Conference on Technological Advances in Applied Physics, March 2022, Kerman, Iran.
7. S. F. P. Mousavi, A. Ganjovi, A. Eskandarizadeh, A. Reza Saidi, "**Evaluation of a Non-Thermal Atmospheric Pressure Plasma Jet Effects on the Prevention of Enamel Demineralization During Fixed Bracket Treatment**", The 8th Iranian Conference on Plasma Physics and Engineering, June 2021, Mazanderan, Iran.
8. A. Shahrokhi, A. Ganjovi, A. Falahat, N. Sepehrinia, S. Payandeh, "**Plasma Reactor Spectroscopy of a mixture of Carbon Dioxide and Nitrogen at Atmospheric Pressure**", The 8th Iranian Conference on Plasma Physics and Engineering, June 2021, Mazanderan, Iran.
9. Y. Lotfipour, A. Ganjovi, M. Taraz, "**Investigation of the effect of electric field induced by cold atmospheric plasma on human living tissue**", 2th International Conference on Interdisciplinary Nanotechnology Studies, February 2021, Tehran, Iran.
10. N. Sepehrinia, A. Ganjovi, S. Khorasani, A. Shahrokhi, S. Payandeh, "**The effect of plasma on the growth rate of Aspergillus Flaus pistachio**", The 8th Iranian Conference on Plasma Physics and Engineering, June 2021, Mazanderan, Iran.
11. Y. Lotfipour, A. Ganjovi, M. Taraz, "**Study of the effect of atmospheric cold plasma on living tissues**", 2th International Conference on Physics, Mathematics and Development of Basic Sciences, July 2020, Tehran, Iran.
12. S. payandeh, A. Ganjovi, A. Shahrokhi, N. Sepehrinia, A. Falahat, "**The effect of cold plasma on dates and citrus**", The 8th Iranian Conference on Plasma Physics and Engineering, June 2021, Mazanderan, Iran.
13. S. F. Peyro Mousavi, A. Ganjovi, A. Eskandarizadeh, A. Saidi, "**Evaluation of a Non-Thermal Atmospheric Pressure Plasma Jet Effects on the Prevention of Enamel Demineralization During Fixed Bracket Treatment**", The 8th Iranian Conference on Plasma Physics and Engineering, June 2021, Mazanderan, Iran.
14. Y. Lotfipour, A. Ganjovi, M. Taraz, "**Atmospheric jet plasma simulation in MATLAB**", 4th International Conference on Innovative Technologies in Science, Engineering and Technology, November 2020, Istanbul, Turkey.
15. Y. Lotfipour, A. Ganjovi, M. Taraz, "**Simulation of heat transfer in biological tissue**", The first national conference on modern research in medical engineering, February 2020, Dezful, Iran.
16. A. Shahrokhi, A. Ganjovi, M. Taraz, S. Karimian, A. Fattahi, Z. Shabanmoghaddam, "**The effect of cold plasma on improving shelf-life of tomatoes, cucumbers and plums**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.
17. A. Fattahi, A. Ganjovi, M. Taraz, R. Hajimohammadi Farimani, S. Payandeh, A. Falahat, "**Use of plasma to disinfect the surface of dates**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.

18. A. Falahat, A. Ganjovi, M. Taraz, S. Payandeh, A. Shahrokhi, M. N. Rostami, "**Investigation of the effects of ultraviolet radiation on some fruits**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.
19. Z. Shabanmoghadam A. Ganjovi, M. Taraz, S. Karimian, A. Falahat, A. Shahrokhi, "**The effect of cold plasma on improving the shelf life of bread, hooch, pistachios, cherry tomatoes**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.
20. S. Karimian, M. Taraz, A. Ganjovi, M. N. Rostami, "**Use of plasma as a new method to adjust the pH of water for the agricultural consumptions**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.
21. F. Moosapour, A. Ganjavi, M. Taraz, S. Maghsoudi, S. Karimian, I. Mirzaei, E. Jalali, "**Experimental study of the effect of electric discharge plasma on the physical and chemical properties of water contaminated with pesticide phenytoin (C₉H₁₂NO₅PS)**", Iranian Physics Conference, September 2020, Kermanshah, Iran.
22. F. Moosapour, A. Ganjavi, M. Taraz, S. Maghsoudi, S. Karimian, I. Mirzaei, E. Jalali, "**Use of atmospheric pressure plasma discharge for water treatment which is Impregnated with organic compounds (Green Malachite)**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.
23. S. Payandeh, A. Ganjovi, M. Taraz, D. Kalantar, A. Fattahi, Z. Shabanmoghadam, S. Karimian, "**Disinfect the surface of the eggs using the ultraviolet light**", 5th International Congress of Developing Agriculture, Natural Resources, Environment and Tourism of Iran, January 2021, Tabriz, Iran.
24. M. Amirmojahedi, H. Maghsodi, M. Balvardi, M. Taraz, A. Ganjovi, "**Effect of atmospheric cold plasma method on reduction of the microbial load of Mazafati dates**", 27th National Iranian Food and Technology Congress, February 2021.
25. M. Amirmojahedi, H. Maghsodi, M. Balvardi, M. Taraz, A. Ganjovi, "**Study of organoleptic properties of Mazafati dates under the influence of cold atmospheric plasma treatments**", 27th National Iranian Food and Technology Congress, February 2021.
26. S. Karimian, M. Taraz, A. Ganjovi, "**Experimental Study of Electrical Discharge Influences on the Structural Characteristics of Water**", The 7th Iranian Conference on Plasma Physics and Engineering, April 2019, Shahrood, Iran.
27. B. Ebrahimipour, M. Taraz, A. Ganjovi, "**Effects of Instabilities on THz Generation in the Process of Interaction of High Intensity and Ultra-Short Laser Pulses with Plasma**", The 7th Iranian Conference on Plasma Physics and Engineering, April 2019, Shahrood, Iran.
28. M. N. Rostami, A. Ganjovi, R. Jaafarian, A. Falahat, "**Magnetic Field Influences on the Plasma Jet to improve the Plasma Engine Operation**", The 4th Iranian Conference on Mechanical and Aero-Space Engineering, May 2019, Tehran, Iran.
29. A. Falahat, A. Ganjovi, M. Taraz, M. N. Rostami, "**Spectroscopy of DBD Plasma Jet with Ar/O₂ Mixture at Atmospheric Pressure**", The 4th Iranian Conference on Plasma Physics and Engineering, April 2016, Yazd, Iran.
30. M. N. Rostami, A. Ganjovi, F. Shojaei, A. Falahat, "**Spectroscopy of DBD Plasma Ar/N₂ Mixture at Atmospheric Pressure**", The 4th Iranian Conference on Plasma Physics and Engineering, April 2016, Yazd, Iran.
31. S. Ghaderinasab, M. Saeed, A. Ganjovi, "**Study of Radiation Transport in Plasma Antenna Using FCT**", The 4th Iranian National Conference on Engineering Electromagnetics, April 2016, Noshahr, Iran.
32. S. Heydari, A. Ganjovi, S. Moradi, M. Bolorizadeh, "**Amplification of terahertz radiation and increase of terahertz bandwidth in presence of DC electric field using transition Cherenkov model**", Physics Conference of Iran, September 2014, Sistan and Bolochestan University, Zahedan, Iran.
33. A. Ganjovi, M. Ghanbari Naniz, "**Experimental Results and Modeling Advances in the Study of the Nanoparticle Field Extraction Thrusters**", Physics Conference of Iran, September 2014, Sistan and Bolochestan University, Zahedan, Iran.
34. M. Makiabadi, A. Ganjovi, F. Shojaei Akbarabadi, "**Kinetic modeling of the influence of magnetic field lines from magnetic nozzle on the ions acceleration**", The 3th Iranian engineering electromagnetic, December 2014, Tehran, Iran.
35. M. Saeed, A. Ganjovi, F. Shojaei Akbarabadi, M. Soltani Gishini, "**Study of interaction of electromagnetic wave and plasma column using PIC-MCC method**", The 3th Iranian engineering electromagnetic, December 2014, Tehran, Iran.
36. Soltani Gishini, Mohammad Sadegh; Ganjovi, Alireza; Taraz, Majid, "**Establishment of Operating Parameters of a Surface Wave Produced Plasma Antenna Using PIC/MCC Model**", The 2th Iranian Conference on Plasma Physics and Engineering, 22-23 May 2014, Babolsar, Mazanderan University, Babolsar, Iran.
37. M. S. Soltani Gishini, A. Ganjovi; M. Taraz, M. Saeed, "**Kinetic Study of Physical characteristics of a Plasma Antenna**", The 2th Iranian Conference on Plasma Physics and Engineering, 22-23 May 2014, Babolsar, Mazanderan University, Babolsar, Iran.
38. M. Makiabadi, A. Ganjovi, F. Shojaei Akbarabadi, "**Kinetic simulation of magnetic nozzle and plasma detachment**", The 2th Iranian Conference on Plasma Physics and Engineering, 22-23 May 2014, Babolsar, Mazanderan University, Babolsar, Iran.

39. M. Mirzaei, A. Ganjovi, “**Simulation of source helicon discharge of VASMIR motor by simulation of helicon double layer with PIC/MCC**”, The 2th Iranian Conference on Plasma Physics and Engineering, 22-23 May 2014, Babolsar, Mazandaran University, Babolsar, Iran.
40. R. Jaafarian, A. Ganjovi, M. Jaafarian, “**Helicon Plasma Thruster’s Ion Source Simulation**”, The 2th Iranian Conference on Plasma Physics and Engineering, 22-23 May 2014, Babolsar, Mazandaran University, Babolsar, Iran.
41. Z. Attari, A. Ganjovi, H. Ghazizade-Ahsae, “**Three-dimensional Numerical simulation of thermal plasma spray**”, The 2th Iranian Conference on Plasma Physics and Engineering, 22-23 May 2014, Babolsar, Mazandaran University, Babolsar, Iran.
42. M. S. Soltani Gishini, A. Ganjovi, M. Taraz and S. Zangi Darestani, “**Kinetic Modeling of a Plasma Antenna**”, The 19th Iranian Conference on Optics and Photonics and 5th Iranian Conference on Photonics Engineering, 21 January 2013, Sistan and Bolochestan University, Zahedan Sistan and Bolochestan, Iran.
43. Alireza Ganjovi, “**Space charge formation during propagation of PD pulses within narrow dielectric cavities of sub-millimeter dimensions**”, The third National Conference on Partial Discharges, February 2012, Science and Technology University, Tehran, Iran.
44. Alireza Ganjovi, Saeedeh Khezripour, “**Partial discharge process as a damaging factor into insulating system of high voltage apparatus**”, The First National Conference on Electric Discharges, Plasma and Plasma Engineering, February 2012, ICST, Kerman, Iran.
45. Zahra Dehghani Fard, Alireza Ganjovi, Mohammad A. Bolorizadeh, Alireza Ahmadi, “**Formulation of chemical reactions in PECVD reactor to produce nano-particles and deposition of amorphous silicon thin films**”, The first National Conference on Innovations in Thin Film Processing and Their Characterizations, November, 2011, ICST, Kerman, Iran.
46. Zahra Dehghani Fard, Alireza Ganjovi, Mohammad A. Bolorizadeh, Alireza Ahmadi, “**A review on gas discharge processes in XeCl laser**”, The First National Conference on Electric Discharges, Plasma and Plasma Engineering, February 2012, ICST, Kerman, Iran.
47. Hawre Veisi, Alireza Ganjovi, Mehdi Sadidin, Vahid Mosallanejad, Alireza Baharampour, “**Reflectivity investigation of a SPR-based optical sensor with metal nano-layer**”, The first National Conference on Innovations in Thin Film Processing and Their Characterizations, November, 2011, ICST, Kerman, Iran.
48. Alireza Ganjovi, Saeed Azizi, Motahareh Sadat Hoseinian, ¹Zahra Hasani, “**Study of available approaches for removal of NO_x from gases generated by industries and automobiles**”, The First National Conference on Electric Discharges, Plasma and Plasma Engineering, February 2012, ICST, Kerman, Iran.
49. Alireza Ganjovi, Nandini Gupta, “**Estimation of degradation of surrounding dielectric due to partial discharges within tree tubules**”, XVth Asian Conference on Electrical Discharge, 7-10 November 2010, Xian, China.
50. Alireza Ganjovi, Ghasem Rastpour, “**Micro-discharges within voids of sub-millimeter dimensions**”, 7th ICRP and 63rd GEC, October 4-8, 2010, Paris, France.
51. Alireza Ganjovi, Nandini Gupta, “**Photodegradation of dielectric surrounding tree channels within solids**”, Indo-German Conference on PDE, Scientific Computing and Optimization in Applications, 7-9 October 2009, Indian Institute of Technology, Kanpur, India.
52. Alireza Ganjovi, Nandini Gupta, “**Estimation of insulation degradation due to partial discharges within tree channels**”, International Conference on Condition Monitoring & Diagnostic Engineering Management of Power Station / Substation Equipment, 22-23 January 2009, CPRI Bangalore, India.
53. Alireza Ganjovi, Nandini Gupta, “**Parametric investigation of effect of magnetic field on the stationary plasma thruster performance**”, 23th National Symposium on Plasma and Technology, December 2008, BARC-Bombay, India.
54. Alireza Ganjovi, Nandini Gupta, G. R G Raju, “**PIC-MCC model of a single discharge pulse within narrow channels**”, 14th Asian Conference on Electrical Discharge, November 2008, Bandung, Indonesia.
55. Alireza Ganjovi, Nandini Gupta, “**Effects of gas pressure and physical dimensions on the performance of a stationary plasma thruster**”, 22th National symposium on plasma and technology, 6-10 December 2007, IPR-Ahmedabad, India.
56. Alireza Ganjovi, Nandini Gupta, “**Current oscillations in a stationary plasma thruster**”, 6th Conference of Asia Plasma & Fusion Association (APFA-2007), 3-5 Dec. 2007, Gandhinagar, Gujarat, India.
57. Alireza Ganjovi, Nandini Gupta, “**Effect of electro-magnetic field parameters on the performance of a stationary plasma thruster**”, 16th Annual Symposium of IEEE-Bangalore section, 6-8 September 2007, CPRI, Bangalore, India.
58. Alireza Bahrampour and Alireza Ganjovi, “**Investigation of the behavior of dielectric characteristics on the output of TEA nitrogen laser with dielectric corona pre-ionization**”, 12th Photonics Gathering of Physics Society of Iran, 1-3 February 2006, Shiraz university, Iran.
59. Alireza Bahrampour and Alireza Ganjovi, “**The effects of pre-ionizer cathode and anode dimension on the main electrical discharge region in the TEA CO₂ laser**”, Physics Conference of Iran, 28-30 August 2005, Lorestan University, Lorestan, Iran.
60. Alireza Bahrampour and Alireza Ganjovi, “**Calculation of electrical potential on the dielectrics surface in the TEA CO₂ laser with dielectric surfaces**”, Physics Conference of Iran, 24-27 August 2004, Shahid Abbaspour, Tehran, Iran.

61. Alireza Bahrapour and Alireza Ganjovi, "Calculation of electron temperature in the semi-classical case on dielectric surfaces in the TEA CO₂ laser with dielectric corona pre-ionization", 12th Iranian Conference on Electrical Engineering May 2004, Ferdowsi University of Mashhad, Mashhad, Iran.
62. Alireza Bahrapour and Alireza Ganjovi, "Calculation of the resistance in the electrical discharge medium in the TEA CO₂ laser according to electrical behavior of external circuit of the laser", 10th Photonics Gathering of Physics Society of Iran, 28-29 January 2004, International Center for Science and Technology and Environmental Science, Mahan, Kerman, Iran.
63. Alireza Bahrapour and Alireza Ganjovi, "Calculation of electrical current in the TEA CO₂ laser according to gas discharge process in laser media", Physics Conference of Iran, 25-28 August 2003, Azarbaijan University, Tabriz, Iran.
64. Alireza Ganjovi and Alireza Bahrapour, "Calculation of the UV emitted from the surface of the dielectric plates in the TEA CO₂ laser with dielectric corona pre-ionization", 9th Photonics Gathering of Physics Society of Iran, 5-6 February 2003, Tehran, Iran Telecommunication Research Center, Iran.

Students (Ph. D and M. Sc)

Ph. D

- 1- S. I. Mirzaei, "Designing and Manufacturing of Plasma Reactor for the Simultaneously Removing of Pollutants from the Exhausts of Industrial Plants", Going on.
- 2- M. Shirani, "Designing and Manufacturing of a system based on plasma discharge and UV radiation for sewerage decontamination", going on.
- 3- N. Rostami, "Atto-second pulse generation using the laser plasma interaction", Going on.
- 4- F. Moosavi, "Plasma applications in dental pulps", April 2022.
- 5- A. Shamsi, "Degradation of solid dielectric material using TLM method", May 2022.
- 6- M. S. Soltani Gishini, "Study of terahertz generation via the interaction of high intensity and ultrashort laser pulses with polyatomic gaseous plasmas based on a kinetic model", September 2017.
- 7- R. Torabi, "Simulation of a TEA CO₂ laser output parameters of the order of several joule pulse energy and construction of a laboratory prototype" September 2016.
- 8- R. Jaafarian, "Investigation of plasma instabilities in the VASIMR engine", September 2015.
- 9- S. Moradi, "Studying and Designing of Generation of Terahertz Radiation System Based on Laser Plasma Interaction as a Detecting Security System", September 2014.

M. Sc

- 1- F. Doostmohammdi, "Detailed Designing of a Plasma Reactor to Remove SO₂, NO_x and etc. from the Chimney of Thermal Power Plants", going on.
- 2- A. Hmazhepour, "Study of Laser-Based Systems for the Vessels Berthing and Docking", May 2022.
- 3- N. Sepehri, "DBD plasma discharge influences on the various varieties of dates", February 2022.
- 4- Z. Shabanmoghadam, "Using the various plasma jets for surface treatment of polymers as dental materials", September 2022.
- 5- L. Amiri, "Designing of a gliding arc plasma reactor to produce NO_x from air", September 2022.
- 6- N. Beheshti Rad, " Designing of a Plasma System for Ammonia Decomposition", going on.
- 7- F. Bazyari, "Designing of a DBD plasma Reactor for production of H₂O₂ form water vapor", September 2022.
- 8- A. H. Shahrokhi, "DBD plasma discharge influences on dairy products", February 2022.
- 9- M. Mohammadpour, "Designing and manufacturing of a plasma probe for measuring of the characteristics of recently developed DBD plasmas and gliding arc jets", September 2022.
- 10- A. Fattahi, "Effect of Plasma Discharge Species on the micro-organisms degradation in the surface of agricultural products", September 2021.
- 11- Y. Lotfi, " Study of Electrical, Chemical and Thermal Influences on Biofilms and Living Tissues", February 2021.
- 12- F. Moosapour, "Detailed design of a plasma system for disinfection of hospital and industrial wastewaters", February 2021.
- 13- S. Payandeh, "Effect of UV Radiation on the micro-organisms degradation in the surface of agricultural products", September 2021.
- 14- M. S. Amirmojahedi, "Study of Cold Plasma effects on the shelf life of Mazaffati date", September 2020.
- 15- Z. Shahabi, " Designing and Manufacturing of a Sliding Arc Plasma Reactor for Extraction of H₂ from CH₄ and LPG Hydrocarbons", December 2019.
- 16- S. Karimian, "Theoretical and Experimental Study of Electrical Discharge Influences on the Structural Characteristics of Water", December 2019.
- 17- F. Namjoo, "Designing of plasma system argon/hydrogen gaseous mixture", September 2018.
- 18- M. Zare, "Generation of sub-THz radiation from electron beam plasma interaction", November 2017.

- 19- Z. Bagheri, "Study of the physical characteristics a pulsed plasma jet with the gaseous mixture of N₂/Ar/O₂", April 2017.
- 20- M. Barani, "Study of terahertz generation via the interaction of high intensity and ultra-short laser pulses with xenon gas", May 2017.
- 21- Z. Emambakhsh, "Designing of plasma reactor for reforming of methane to synthesis gas", December 2106.
- 22- I. Mirzaei, "Designing of plasma reactor for reforming of CO₂ gas", September 2016.
- 23- A. Falahat, "Study of the physical characteristics an RF plasma jet with the gaseous mixture of Ar/O₂", December 2016.
- 24- N. Rostami, "Study of the physical characteristics an RF plasma jet with the gaseous mixture of Ar/N₂", December 2016.
- 25- 6- A. Barkhordari, "Designing of pulsed plasma jet with the gaseous mixture of Ar/O₂", December 2016.
- 26- S. Naderi, "Analysis of Radiation characteristics of plasma antenna using finite element method", September 2016.
- 27- R. Mobarak, "Atto-second pulse generation process simulation by PIC-MCC method", September 2016.
- 28- S. Ghanbari, "Study of Impedance matching in plasma antenna", September 2016.
- 29- S. Ghaderinasab, "Radiation transport in plasma antenna using Finite-difference time-domain method" September 2016.
- 30- M. Abedi, "Investigate and designing of reduction system of NO_x and CO_x pollutants", September 2014.
- 31- F. Ajideh, "Optimization of the operational parameters of the drag reduction system in the ultrasonic airplanes using laser", December 2015.
- 32- S. Shahsavari, "Designing of a Plasma reactor to extract hydrogen sulfur and carbon dioxide from sour gas", September 2014.
- 33- S. Namvar, "The Dynamic Study of Laser Ablation", December 2015.
- 34- M. Saeed, "Optimization of operational parameters in the ICRH of VASIMR engine", November 2014.
- 35- M. Makiabadi, "Optimization of operational parameters in the magnetic nozzle of VASIMR engine", October 2014.
- 36- K. Armand, "Investigation of Electrical Discharges in the Teflon Cavity of a Pulse Plasma Thruster", December 2014.
- 37- T. Alimohamadi, "Investigate and designing a system to remove micro-organisms from water", January 2014.
- 38- Z. Attari, "Modeling of plasma spray system", January 2014.
- 39- M. Ranjbari, "Evaluation of the effect of atomic oxygen on black silicone thermal control coating in simulation space environment", August 2013.
- 40- M. S. Soltani Gishini, "Study of operational parameters of a plasma antenna based on a kinetic model", September 2013.
- 41- H. Veisi, "Treatment investigation of a surface Plasmon resonance based optical fiber sensors", February 2012.
- 42- M. Sadidian, "Computation of the lasing threshold for polymer microring lasers with longitudinal optical pumping", February 2012.
- 43- T. Baadl Cheri, "Analysis of plasma lamp without electrodes embedded resonator", February 2013.
- 44- Z. Dehghani Fard, "Transport of nano-particles in silane plasma and formation of amorphous silicon thin films", February 2013.
- 45- M Golzari, "Investigation of propagation of EM waves in binary and Ternary one-dimensional plasma photonics crystal", March 2012.

Books

- **Plasma Electronics: Applications in Microelectronic Device Fabrication**, T. Makabe and Z. Lj. Petrovic, Taylor & Francis Group, LLC, 2006, (Translation to Persian Language).
- **Physics of Ionized Gases**, Boris M. Smirnov, John Wiley & Sons, INC, 2001, under publication (Translation to Persian Language).
- **Introduction to Plasma Technology: Science, Engineering and Applications**, John Harry, WILEY-VCH Verlag & Co. KGaA, 2010, under review (Translation to Persian Language).

Professional end Executive Activities

- 1- Member of the University Board of Auditors, Graduate University of Advanced Technology, Kerman, Iran, 2022-present.
- 2- Member of the Evaluation Committee for Technological Projects on the Plasma technology, Lasers, Photonics, Advanced Materials and Manufacturing Technologies Development Headquarter, Vice-Presidency of Science and Technology, Tehran, Iran, 2021-present.
- 3- Chairman of Scientific Committee, National Conference on Technological Applications of Applied Physics, February 2022, Graduate University of Advanced Technology, Kerman, Iran.
- 4- Selected as superior faculty member in cooperation with society and industry by the Ministry of Science and Technology, 2021.

- 5- Founder and CEO, Pooyeshgaran of Bootia Applied Physics Company (knowledge based) with the brand of “Bootiatech”, 2019-present. This company was selected as the best technologist in Kerman province, 2021.
- 6- Chairman of the office for Intellectual Property (IP), Kerman Science & Technology Park (KSTP), Kerman, Iran, November 2016-2019.
- 7- Head of the Council for the Intellectual Property (IP), Kerman Science & Technology Park (KSTP), Kerman, Iran, November 2016-2019.
- 8- In charge of the office for the patent issues and intellectual property management of the Iranian judiciary in the Kerman province, September 2015-2019.
- 9- Founder and CEO of Kerman Science & Technology Fund, Kerman, Iran, 2017-2018.
- 10- Scientific Chairman of the Board, The International Festival on Technology Commercialization, October 2015, May 2016, December 2016, Kerman, Iran.
- 11- Chairman of the technical and architectural Committee, Kerman Science & Technology Park (KSTP), Kerman, Iran, September 2015-2019.
- 12- Deputy of Technology and Innovation, Kerman Science & Technology Park (KSTP), Kerman, Iran, September 2015-2019.
- 13- Founder, CEO and chairman of the board, Pishro Plasma Technologists Company (knowledge based), 2014-2018.
- 14- Head of Plasma Engineering Department, Graduate University of Advanced Technology, Kerman, 2012-2014.
- 15- Dean of Photonics Research Institute, Graduate University of Advanced Technology, February 2010-2015.
- 16- Executive Chairman of Organizing Committee, 17th Iranian Optics and Photonics Conference and the Third Iranian Conference on Photonics Engineering, February 2011, International Center for Science, High Technology & Environmental Science (ICST), Kerman, Iran.
- 17- Chairman, The First National Conference on Electric Discharges, Plasma and Plasma Engineering, February 2012, International Center for Science, High Technology & Environmental Science (ICST), Kerman, Iran.
- 18- Chairman, The Annual Conference on Finite Element method in applied physics, October, 2012, International Center for Science, High Technology & Environmental Science (ICST), Kerman, Iran.

References

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- Dr. Govinda Raju, Professor Emeritus, Department of Electrical and Computer Engineering, University of Windsor, Ontario, Canada N9B3P4, 519 253 3000 3885, Email: raju@uwindsor.ca.