

Curriculum Vitae
of Manuel Malaver de la Fuente, Ph.D.

Personal Information

First Name: Manuel

Second name: Malaver de la Fuente

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Home Address: Ferrenquín a la Cruz, Edificio Guayana, Apartamento 25
5to piso, La Candelaria, Caracas, Venezuela.

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RESEARCHGATE-SCORE: 16.62

H-INDEX (Google Scholar Citations) : 10.0

Education

Basic: Escuela Nacional Padre Sojo
Caracas. Distrito Federal
Certificado de Educación Primaria
1979

High School: Colegio Cervantes
Caracas. Distrito Capital
Bachiller en Ciencias
1984

Doctor Degree:

1.- Central University of Venezuela
Faculty of Engineering. Department of Applied Physics
Doctor in Theoretical and Applied Mechanics (General Relativity)
2011
Tutor: Dra. María Esculpi.

Magister Degree

2.- Universidad Pedagógica Experimental Libertador
Instituto Pedagógico de Caracas.
Magister in Education, mention Education of the Chemistry,
2001
Tutor: MSc. Rafael Pujol.

Bachelor Degree

3.- Central University of Venezuela
Bachelor in Chemistry. 1993
Tutor: Dr. Vladimiro Mujica

Professional Experience

- 1.- Trainer at the Faculty of Sciences, UCV , in laboratory subjects Principles of Chemistry and Inorganic Chemistry Laboratory I from October 1990 to July 1992..
2. Student Assistant. Laboratory of Computational Chemistry. Venezuelan Institute for Scientific Research from July 1990 to December1992.
- 3.- Professor conventional time instructor Jose Maria Vargas University in the subject of thermodynamics from January 1996 to December1996.
- 4.-Part-time instructor Professor at the Pedagogical University Liberator Experimental Pedagogical Institute of Caracas from 15/10/2001 to 03/01/02 of the subject Biofisicoquímica. Department of Biology and Chemistry.
- 5.- Assistant Professor conventional time of Hydraulics and Fluid Mechanics at the University Alejandro de Humboldt from 27/1/03 until 15/12/04. Facultad of Engineering. School Maintenance Engineering Works.
- 6.- Conventional time Assistant Professor of Hydraulics and General Chemistry at the University Alejandro de Humboldt from 3/1/2005 until 27/4/2005.
- 7.- Conventional time Assistant Professor of Hydraulics at the University Alejandro de Humboldt from10/5/2005 to 15/12/2005.
- 8.-Conventional time Assistant Professor of Hydraulics and Physics II at the University Alejandro de Humboldt from 3/1/2006 until 27/4/2006.
- 9.- Assistant Professor of conventional time in Mathematics III and Physics II at the University Alejandro de Humboldt from 8/5/2006 until 11/8/2006.
- 10.- Professor conventional time instructor of the course in Analytical Chemistry, University of Education Experimental Pedagogical Institute of Caracas from 10/05/2004 to 1/10/2004, Department of Biology and Chemistry.
- 11.- Professor of Geometry and Trigonometry in the National Experimental Polytechnic University of the Armed Forces from 4/10/2004 until 15/12/2004.
- 12- Conventional time Assistant Professor of Analytical Geometry National Experimental Polytechnic University of the Armed Forces from the 17/01/2005 to the 29/04/2005.

13.- Conventional time Assistant Professor of Analytical Geometry National Experimental Polytechnic University of the Armed Forces from the 17/01/2005 to the 29/04/2005.

14.- Assistant Professor of Mathematics of Universidad Nacional Experimental Politécnica de la Fuerza Armada from el 26/9/2005 to 10/12/2005.

15.- Conventional time Assistant Professor, Mathematics IV in the basic cycle of Engineering of the National Experimental Polytechnic University of the Armed Forces from 9/1/2006 until 29/4/2006.

16.- Conventional time Assistant Professor, Mathematics and Logical Reasoning in the preuniversity course of the Dean of Extension of National Experimental Polytechnic University of the Armed Forces from 27/1/2006 to 29/4/2006.

17.- Professor of Physics II in the Maritime University of the Caribbean from 7/8/2006 to 15/9/2006.

18.- Professor of Mathematics II in the career of social economy and the basic cycle IV Mathematics of Engineering in National Experimental Polytechnic University of the Armed Forces from 18/9/2006 to 15/12/2006.

19.- Assistant Professor of conventional time, Hydraulics in Alexander Humboldt University from 21/08/2006 until 18/12/2006.

20.- Full-time Assistant Professor in Physics I, II and Thermodynamics in the Maritime University of the Caribbean from the 01.01.2007.

21.- Full-time Assistant Professor of Fluid Mechanics in course for the 1st official mention of machines in the Caribbean Maritime University since 02/02/2011.

22.- Assistant Professor of Applied Mathematics in Universidad Nacional Experimental Politécnica de la Fuerza Armada since 12/09/2007.

Communications to Congress

- 1.- Speaker at the Third Conference on Teaching and Research of the Department of Biology and Chemistry of the Pedagogical Institute of Caracas.(15-18) May 2001.Paper presented: "Content analysis refers to the structure of matter in textbooks of Basic Chemistry at the University."
- 2.- Speaker at the Conference on Research in the Faculty of Engineering (JIFI 2004), Central University of Venezuela.(29/11 to 3/12, 2004). Paper presented: "Stars anisotropic with uniform energy density. New Models."
- 3.-Speaker at the Second day of presentations at the Center of Thought Sensorium Magister Maritime University of the Caribbean (June-July 2009).Paper presented: "Models of anisotropic star and dark energy in general relativity"
- 4.- Speaker at the XXI Congress of Differential Equations and Applications /XICongress of Applied Mathematics held at the University of Castilla-La Mancha in Ciudad Real, Spain from 21 to 25 September 2009. Paper presented: "Comparative analysis of some analytical models for quark stars."
- 5.- Speaker at the XXII Congress of Differential Equations and Applications / XII Congress of Applied Mathematics held at the Universitat de les Illes Balears, Palma de Mallorca, Spain, from 5 to 9 September 2011. Paper presented: "Un modelo de Estrella Anisótropa con densidad variable en Relatividad General".
- 6.- Speaker at the I Congreso Venezolano de Ciencia, Tecnología e Innovación held at the Hotel Alba-Caracas from 23-26 September 2012. Paper presented: “ Análisis de irreversibilidades asociadas a la relación de trabajo de retroceso de un ciclo Brayton” .
- 7.- Speaker at the Compact Objects Summer Fest held at the Universidad Industrial de Santander, Bucaramanga, Colombia, from 21 to 23 August 2013. Paper presented: “ Regular Model for Quark Stars with Van der Waals Modified Equation of State ”
- 8.- Presentation of the seminar titled "Charged anisotropic stars with Tolman IV type potential " the day 2/18/2016 in the cycle of seminars in Physics Center of IVIC.

Attendance at Courses and Seminars

- 1.- Participating in the First Day Institutional Post-graduate in the Pedagogical Institute of Caracas,(14-17) October 1997 in Caracas,Venezuela. uration: 30 hours.
- 2.- Course Data Processing Statistics by SPSS in the Pedagogical Institute of Caracas, October 1997.Duration: 25 hours.
- 3.- Participating in the workshop "Needs and Rationale for the construction of the proposed reform of the third stage of basic education and high school level and vocational education" held in the service center of the Ministry of Education ,August 1998.Duration: 8 hours.
- 4.- Participant in the consultation workshop on the chemistry programing 9th grade to the DBC, November 1998.Duration: 12 hours
- 5.- Attendance at the Sixth Annual Conference on Research in the Pedagogical Institute of Caracas 10/06/1998 to 08/10/1998. Duration: 24 hours.
- 6.- Assistant in the Cycle of Conferences "Ten years of the Physics Olympiad" between 27/01/2000 and 02/05/2000. Duration: 8 hours.
- 7.- Participating in the workshop "Basic Theory Seminar Control and Electronic Controls for Refrigeration". Given in the IUP Santiago Marino, May 18, 2000
- 8.- Attendance at the induction workshop institutional and educational update on the new evaluation form given to the third stage of basic education, taught in high school militarized Generalissimo Francisco de Miranda, 13 September 2000. duración: 8 hours.
- 9.- Participating at the workshop "Basic Theory Seminar Control and Electronic Controls for Refrigeration". Given in the IUP Santiago Mariño, May 18, 2000
- 10.- Attendance at the Seminar-Workshop on Creativity and Innovation in Teaching, Research and Industry in the framework of the XV Olympiad in Chemistry Venezuela, Caracas, March 8, 1997.

11.- Assistance to the teacher induction workshop held at the IUP Santiago Mariño, April 2001.

12.- I Support Induction Seminar for teachers of the Alexander Humboldt University, Caracas, May 10, 2003.

13.- General Lubrication Course held in Caracas, December 6, 2000, Deltaven, SA PDVSA subsidiary.

14.- Attendance at the First Day of Instructional Programs Update Curriculum Guidelines at UMC conducted at the Maritime University of the Caribbean, 3 and 4 March 2008, total of 12 academic hours.

15.- Assistance to the module "STCW Code 78/95" belonging to Component Teaching Higher Education held at the University of the Caribbean Sea May 4, 2007, total of 12 academic hours.

16.- Assistance to the module "Maritime Training" pertaining to Component Teaching in Higher Education held at the Maritime University of the Caribbean May 11, 2007, with total of 16 academic hours.

17.- Attendance at the workshop introduction to the system of quality management for teachers and academic coordinators, with a duration of 4 academic hours, held at the Maritime University of the Caribbean May 8, 2007.

18.- Assistance to the discussion of the draft regulations of the student community service of the Maritime University of the Caribbean, March 27, 2008,

19.- Assistance to the Second Round of Presentations: Design and Action of the Dynamics of Thought conducted at the Maritime University of the Caribbean, June 11 and July 9, 2009 and organized by the Centre for Thought Magister Sensorium.

20.- Attendance at the Workshop on Neuroscience and Learning, given Maritime University of the Caribbean, Catia La Mar, Vargas State, 12 and 17 March 2010. Duración: 16 hours

Scientific Articles Published and refereed

- 1.- Generalized nonsingular model for compact stars electrically charged. **World Scientific News**. Manuel Malaver Vol. 92, N°2, 2018, pp.327-339.
- 2.-Analytical models for quark stars with electric field. **World Scientific News**. Manuel Malaver Vol. 89, 2017, pp.39-47.
- 3.- New Mathematical Models of Compact Stars with Charge Distributions. **International Journal of Systems Science and Applied Mathematics**. Manuel Malaver Vol. 2, N°5, 2017, pp.93-98.
- 4.- Anisotropic charged stars with quadratic equation state. **World Scientific News**. Manuel Malaver Vol. 86, N°3, 2017, pp.333-344.
- 5.- Relativistic modeling of compact stars for charged anisotropic matter in a Tolman IV spacetime. **World Scientific News**. Manuel Malaver Vol. 81,, N°2, 2017, pp.257-267.
- 6.- Charged Stellar Model with Quadratic Equation of State in Tolman VII Spacetime. **International Journal of Astronomy, Astrophysics and Space Science**. Manuel Malaver. Vol. 4, N° 2, 2017, pp.12-16
- 7.- An analysis of the thermal capacity in Gravitons. **World Scientific News**. Manuel Malaver Vol. 72, 2017, pp.34-40.
- 8.- Thermodynamical analysis for a variable generalized Chaplygin gas. **World Scientific News**. Manuel Malaver Vol. 66, 2017, pp.149-162.
- 9.- Classes of relativistic stars with quadratic equation of state . **World Scientific News**. Manuel Malaver Vol. 57, 2016, pp.70-80
- 10.- Anisotropic Stars with a Prescribed Form of Metric Potential Z. **World Journal of Applied Physics**. Manuel Malaver Vol. 1, No. 2, 2016, pp. 20-25.
- 11.- Analytical models for compact stars with a linear equation of state. **World Scientific News**. Manuel Malaver. Vol.50, 2016, pp.64-73.
- 12.-Adiabatic Compressibility of the Variable Chaplygin gas. **AASCIT Communications**. Manuel Malaver. Vol.3, N°2, 2016, pp. 64-70.
- 13.- Quark Star Model with Tolman VII Type Potential. **World Scientific News**. Manuel Malaver. Vol.36, 2016, pp.1-11.

- 14.- New Models for Charged Anisotropic Stars with Modified Tolman IV Spacetime. **International Journal of Modern Physics and Application**. Manuel Malaver. Vol.3, N°1, 2016, pp.6-13.
- 15.- Los paradigmas en la Física, retardos difusionales e implicaciones didácticas. **Revista de Investigación**. Antonio D'Alessandro Martínez, José Luis Michinel y Manuel Malaver de la Fuente. Vol.39, N°86, 2015, pp.191-219.
- 16.- Charged Anisotropic Matter with Modified Tolman IV Potential. **Open Science Journal of Modern Physics**. Vol.2, N°5, 2015, pp.65-71.
- 17.- Polytropic stars with Tolman IV Type Potential. Manuel Malaver. **AASCIT Journal of Physics**. Vol.1, N°.4, 2015, pp.309-314
- 18.- Discrete Fourier transforms and modified second order linear ordinary differential equations. Rajanish Malekar and Manuel Malaver. **Asian Journal of Mathematics and Computer Research**. Vol. 5, N°2, 2015, pp.121-128.
- 19.- Relativistic Modeling of Quark Stars with Tolman IV Type Potential. Manuel Malaver. **International Journal of Modern Physics and Application**. Vol. 2, N°.1, 2015, p.1-6.
- 20.- Modeling of Anisotropic Fluid Stars in Isotropic Coordinates. Neeraj Pant, Narendra Pradhan, Mohammad Hassan Murad, Manuel Malaver. **American Journal of Science and Technology**. Vol.2, N°.2, 2015, pp.43-48.
- 21.- Carnot engine model in a Chaplygin gas. Manuel Malaver. **Research Journal of Modeling and Simulation**. Vol. 2, N° 2, 2015, pp.42-47.
- 22.- Modeling Anisotropic Charged Neutron Star in Isotropic Coordinates. Ksh. Newton Singh, Narendra Pradhan, Manuel Malaver **International Journal of Astrophysics and Space Science. Special Issue: Compact Objects in General Relativity**. Vol. 3, No. 1-1, 2015, pp. 13-20.
- 23.- New analytical solutions for quark stars with charged anisotropic matter. Manuel Malaver. **International Journal of Astrophysics and Space Science. Special issue: Compact Objects in General Relativity**. Vol. 3, No. 1, 2015, pp. 6-12.
- 24.- Anisotropic fluid star model in isotropic coordinates. Neeraj Pant, Narendra Pradhan y Manuel Malaver. **International Journal of Astrophysics and Space Science. Special issue: Compact Objects in General Relativity**. Vol. 3, No. 1, 2015, pp. 1-5.
- 25.-Models for quark stars with charged anisotropic matter. Manuel Malaver. **Research Journal of Modeling and Simulation**, Vol.1, Issue 4 (2014), pp.65-71. [arXiv:1410.1524].
- 26.- Erratum to: Anisotropic compact sphere with Van der Waals equation of state. **Astrophysics and Space Science**. Manuel Malaver. September 2014, 354:683.

- 27.- Some new models for strange quark stars with isotropic pressure. Manuel Malaver. **AASCIT Communications**, Vol.1, Issue 2 (2014), pp. 48-51. [arXiv:1406.7347].
- 28.- Quark star model with charge distributions. Manuel Malaver. **Open Science Journal of Modern Physics**, Vol.1, issue 1 (2014), pp.6-11.
- 29.- Strange Quark Star Model with quadratic equation of state. Manuel Malaver. **Frontiers of Mathematics and its applications**, Vol.1, issue 1 (2014), pp. 9-15.
- 30.- Analytical model for charged polytropic stars with der Waals Modified Equation of State. Manuel Malaver. **American Journal of Astronomy and Astrophysics**, Vol.1, issue 4 (2013), pp: 41-46.
- 31.-Regular model for a quark star with Van der Waals modified equation of state. Manuel Malaver. **World Applied Programming**, Vol.3, issue 7 (2013), pp: 309-313.
- 32.- Comparative analysis of thermal capacity in Schwarzschild and Reissner-Nordström black holes. Manuel Malaver. **World Applied Programming**, Vol.3, issue 2 (2013), pp: 61-67.
- 33.- A family of traversable wormhole. Manuel Malaver. **International Journal of Research and Reviews in Applied Sciences**, Vol.14, issue 3 (2013), pp:539-551.
- 34.-A theoretical model of stable dark energy stars. Manuel Malaver y María Esculpi. **International Journal of Research and Reviews in Applied Sciences**, Vol.14, issue 1 (2013), pp:26-39.
- 35.-La optimización del trabajo en un ciclo Brayton con irreversibilidades. Manuel Malaver. **Revista Ingeniería**, Vol.22. N°1 (2012), pp:69-81.
- 36.-¿Law of Einstein's thermal capacity for Schwarzschild's Black Hole ?. Manuel Malaver. **International Journal of Research and Reviews in Applied Sciences**, Vol. 11, issue1(2012), pp:31-36.
- 37.-Un modelo de estrella anisótropa con densidad variable en relatividad general. Manuel Malaver y María Esculpi. **Proceedings of Congress XXII of Differential Equations and Applications/XII Congress of Applied Mathematics**.http://www.uibcongres.org/imgdb/archivo_dpo10339.pdf .
- 38.- La relación de trabajo de retroceso de un ciclo Brayton. Manuel Malaver. **Revista de Ingeniería, Investigación y Tecnología**, Vol. XI. N°3 (2010), pp: 259-266.
- 39.- Análisis de las actividades y preguntas propuestas en textos universitarios de termodinámica. Manuel Malaver. **Educere**, Vol. 13. N° 47. (2009). pp: 961-969.
- 40.- Análisis comparativo de algunos modelos analíticos para estrellas de quarks. Manuel Malaver. **Revista Integración**, Vol.27.N°2. (2009), pp: 125-133.

- 41.- Análisis de las Temperaturas, la eficiencia térmica y el trabajo neto en un ciclo dual. Manuel Malaver. **Revista de Educación Química**, Vol.19.Nº2 (2008).pp: 122-126.
- 42.- A comparative analysis of the adiabatic stability of anisotropic spherically symmetric solutions in general relativity. MariaEsculpi, Manuel Malaver y Eduardo Alomá. **General Relativity and Gravitation**, Vol.39.Nº.5(2007). pp:633-652.
- 43.- Análisis de los conceptos de calor, energía, trabajo y teorema de Carnot en textos universitarios de termodinámica. Eduardo Alomá y Manuel Malaver.**Revista de Enseñanza de las Ciencias**, Vol.25.Nº3 (2007). pp: 387-400.
- 44.- La calidad científica del contenido sobre el tema de la estructura de la materia en textos universitarios de química general. Manuel Malaver, Rafael Pujol y Antonio D'Alessandro Martínez. **Revista de Enseñanza de las Ciencias**, Vol.25.Nº2(2007). pp: 229-240.
- 45.- Los conceptos de calor, energía, trabajo y teorema de Carnot en textos universitarios de termodinámica. Eduardo Alomá y Manuel Malaver. **Educere**, Vol. 11. Nº 38. (2007). pp: 477-487.
- 46.- Análisis de actividades y preguntas propuestas sobre el tema de la estructura de la materia en textos universitarios de Química General. Manuel Malaver, Rafael Pujol y Antonio D'Alessandro Martínez, **Educación Química**, Vol. 16. Nº.1 (2005). pp: 93-98.
- 47.- Los estilos de prosa y el enfoque ciencia-tecnología-sociedad en textos universitarios de química general. Manuel Malaver, Rafael Pujol y Antonio D'Alessandro Martínez, **Revista de Enseñanza de las Ciencias**, Vol.22.Nº3 (2004). pp: 441-454.
- 48.- Imagen de la ciencia y vinculaciones ciencia-tecnología-sociedad en textos universitarios de Química General. Manuel Malaver, Rafael Pujol y Antonio D'Alessandro Martínez, **Revista de Pedagogía**, VolXXV. Nº 72 (2004).pp: 95-121.
- 49.- Análisis de los estilos de prosa, el enfoque Ciencia-Tecnología-Sociedad e imagen de la ciencia en textos universitarios de química general. Manuel Malaver, Rafael Pujol y Antonio D'Alessandro Martínez. **Educación Química**, Vol.14. Nº 4 (2003). pp: 232-239.
- 50.- Análisis de las temperaturas y de la eficiencia térmica en el ciclo de Otto. Kenry Urrecheaga y Manuel Malaver. **Educación Química**, Vol.14.Nº3 (2003). pp:138-141.
- 51.-A semiempirical quantum chemical study of some local aspects of ionic conduction in poly(ethylene oxide); ion motion and rotational barriers. Vladimiro Mujica, Manuel

Malaver and Fernando Ruetze. **Journal of Physical Chemistry A**, Vol.103. N°1 (1999), pp: 89-94.

Published books

1.- Una contribución al modelaje de máquinas y motores térmicos. Academic Spanish publishing house (Germany).ISBN 978-3-8484-7348-9.Published on April 7, 2012. It appears in the catalogue www.eae-publishing.com .

2.- Black Holes, Wormholes and Dark Energy Stars in General Relativity. LAMBERT Academic Publishing (Germany). ISBN 978-3-659-34784-9.Published on March 8, 2103.appears in <https://www.morebooks.de/store/gb/book/black-holes,-wormholes-and-dark-energy-stars-in-general-relativity/isbn/978-3-659-34784-9>.

Scientific articles in Preparation

- 1.- Heat engines with variable generalized Chaplygin gas.
- 2.- Charged Stellar Model with a prescribed form of metric function $y(x)$ in a modified Tolman IV Spacetime.

Awards and Distinctions

- 1.-Member of research promotion program since 25/11/2006 to 31/12/2008 with the rank of Investigator candidate. N°PPI:8514.
- 2.-Member of research promotion program since 20/01/2009 until 31/12/2010 with the rank of Researcher Level I.N°PPI:8514.
- 3.-Member of the stimulus program for research and innovation since June 2011 until february 2013 with the rank of Research Level A.
- 4.- Member of the Editorial Committee International of the **Revista Ingeniería** of the University of Costa Rica since June 24, 2013 until june 2015.
- 5.-Member of the Editorial Board of **Applied Science Reports** since December 27, 2013.
- 6.- Member of the Editorial Board of **Journal of Astronomy, Astrophysics and Space Science, Open Science Journal of Modern Physics and American Journal of Modern Physics and Application** from march 25, 2014 until march 25, 2016.
- 7.- Member of the Editorial Board of **American Journal of Modern Physics** from may 14, 2014.
- 8.-Member of the Editorial Board of **International Journal of Astrophysics and Space Science** from may 14, 2014.
- 11.-Member of the Editorial Board of **American Journal of Physics and Applications** from may 14, 2014.
- 12.- Lead Guest Editor of special issue “**Compact Objects in General Relativity**” in **International Journal of Astrophysics and Space Science** from June 17, 2014.
- 13.- Member of the Editorial Board of **Universal Journal of Physics and Applications** since march 31, 2015 until march 30, 2018.
- 14.- Member of the Editorial Board of **General Scientific Researches** since July 1, 2016.
- 15.- Member of the Editorial Board of **World Applied Programming** since July 1, 2016.

- 16.- Referee of **Asian Journal of Mathematics and Computer Research**, **Annals of Physics**, **Journal of Applied Physical Science International**, **British Journal of Applied Science and Technology**, **British Journal of Mathematics and Computer Science**, **Journal of Geography, Environment and Earth Science International**, **Universal Journal of Physics and Applications**, [Astrophysics and Space Science](#), [Enseñanza de las Ciencias](#), **Physical Science International Journal**, **British Journal of Applied Science and Technology**, **Asian Journal of Physical Sciences**.
- 17.-Academic Editor of **Physical Science International Journal** since 07/15/2017 until 07/14/2021
- 18.- Top reviewer in Publons Academy. Reviewer Merit: 613.
<https://publons.com/author/1216288/>
- 19.- Academic Editor of **Asian Journal of Mathematics and Computer Research** since 08/17/2017 until 08/17/2020
- 20.- Member of the Editorial Board of **UPI Journal of Mathematics and Biostatistics** since January 26, 2018

Member of Scientific Societies

- 1.-Member of the Spanish Society of Applied Mathematics (SEMA) as of 3/3/2010
- 2.-Academic Member of **Athens Institute for Education and Research** since 3/1/2016

Memberships

- 1.-Member of the Association of Teachers of the Maritime University of the Caribbean (PROA) since July 25, 2011.
- 2.- Regular Member of the **American Association for Science and Technology (AASCIT)**. Membership Number: 1001096, since February 17, 2014 until February 19, 2016 .

Thesis tutorials

1. Directed Thesis, Title: Design and construction of a device for diffusion tests compressible fluids.
2. Student Name: Ramon Morillo
3. Degree: Mechanical Maintenance Engineer
4. Institution: Polytechnic Institute "Santiago Mariño"
5. Date:02/05/2002

1. DirectedThesis, title: Analysis of the influence of thermodynamic parameters on the thermal efficiency and net work in ignitionengines and gas turbine. Publication Citation
2. Student Name: Kenry Urrecheaga
3. Degree: Mechanical Maintenance Engineer.
4. Institution: Polytechnic institute "Santiago Mariño"
5. Date:05/08/2002.

Thesis Jury

1. - Proposal for the design of sewage collector ANARE sector, parish Naiguata Vargas state. Special Degree Bachelor submitted by Jose Gonzalezas a requirement for the degree of Works Maintenance Engineer. Date: 01/12/2004.
- 2.-Design of a procedures manual and conservation systems designed to drain rain water, belonging to the municipal corporation libertador. Caso Study: Drains, located from the lane 2 of the valley to Christopher Street Rojas, Av-car Intercommunal valley district municipality liberating capital. Special Degree Bachelor presented by Aleana Granados as a requirement to obtain the title of Works Maintenance Engineer. Date: 08/04/2005.
- 3.- Proposed improve to the aqueduct located in the yellow sector- street north Modesto Gonzalez-6, the municipality the Salias edo. Miranda. Fecha: 13/04/2005. Special Degree Bachelor submitted by Luis Arturo Rojas Cordova to obtain the title of Works Maintenance Engineer. Date: 13/04/2005

Thesis

1. - "New Models of anisotropic Stars and Dark Energy in the Framework of Relativity General. "Doctoral Dissertation in Theoretical and Applied Mechanics.Tutor: Dra María Esculpi. Department of Applied Physics. Faculty of Engineering, Universidad Central de Venezuela, 2010.
- 2.- "Content Analysis Referred to the Structure of Matter in Textbooks of Basic Chemistry at University Level". Work Masters Degree in Education, minor in Chemistry Teaching recommendation approved for publication.Tutor:MSc. Rafael Pujol. University Pedagogical Experimental Libertador, Caracas Pedagogical Institute, 2001.
- 3.- "Theoretical Study of the Mechanism of Ionic Conduction in polyethylene oxide" Special Degree in Chemistry. Degree. Tutor: Dr.Vladimiro Mujica. Central University of Venezuela, Faculty of Science, School of Chemistry, 1993.

Current Research Topics

1.- Study of Strange Stars in General Relativity

Dr. Manuel Malaver de la Fuente