

PROFESSIONAL RESUME

NABIL H. MOSTAFA



A- PERSONAL

Name : Nabil Hassan Mostafa Hassan.
Birth date : Born 6th of January 1956 in Mansoura, EGYPT.
Nationality : Egyptian
Social status : Married & one daughter & one son
Current Occupation :
* **Professor, Faculty of Engineering, Zagazig University
Zagazig 44519 –Egypt**
* **Secretary , Scientific Committee for Egyptian Universities
Associate Professors and Professors Promotions, in Mechanical
Power , Automotive Engineering and. Aerospace (2016-2022).**

B- CONTACT INFORMATION

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C- Academic Qualifications

- * **Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, August 2003- till now.**
- * **Assistant Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, Dec. 1989 - June 1995.**
- * **Doctor of Philosophy Degree, PhD., Mechanical Power Engineering Depart. Mansoura University. "Study of the cavitation phenomenon and its influences on the mechanism of flow with reference to erosion in centrifugal pump impeller". October 82- January 88.**
- * **Master of Science, M.Sc., Mechanical Power Engineering Depart. Mansoura University. (Solar Energy) "Design and Performance of a Hyperbolic Spiral Concentrator". October 79- October 1982.**
- * **(B.Sc. Mechanical Engineer): Mansoura University, College of Engineering, Mechanical Power Engineering Department, (5 Years of Studies). Language English, Sept. 74 - July 1979, very good, the 5th over (112) students.**

D. PRACTICAL EXPERIENCES

D-1- Academic Qualifications

- * **Dean Faculty of Engineering, Delta University for science and technology, Gamasa- Egypt. From October 2020 till September 2021.**
- * **Co-ordinator of Mechatronic Program at “Egyptian Chines University. From August 2017 until October 2021”.**
- * **Vice Dean for Postgraduate student and research. Faculty of Engineering, Faculty of Engineering, Zagazig University. August 2014- July 2016.**
- * **Head of Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, February 2009- October 2014.**

- * **Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, August 2003- till now.**
- * Associate Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, June 1995- August 2003.
- * Assistant Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, Dec. 1989 - June 1995.
- * Lecturer in College of Technological Studies, Kuwait, Sept. 1984 - July 1988.

D-2. INDUSTRIAL EXPERIENCES

- * Supervisor of the refrigeration and air conditioning laboratory of El-Nasser Company for Fertilizer and Chemical Industries (S.A.E). "Mansoura, Talka, Egypt". Jan. 1981 to Sept. 1984.

E- Scientific Merit/Footprint

- * Creating **Double degree** of master in Mechatronic with BOCHUM University in Germany.2015.
- * Creating **Double degree** of master in Green Enovation with Milano University in Italy.2014.
- * Creating **Mechatronic program** at ZU with support of European side 2010.
- * Creating **Egyptian universities libraries consortium** for automation system 2005.
- * Creating **Digital Library** for universities in EGYPT. 2003.
- * Creating communication and information Technology Center (**CITC**) at Zagazig University. 2003.
- * Creating “Fluid Machine” course as an **e-learning course** on the amperalla of suppreme council of universities. 2008.
- * Creat **Virtual instrumentation** Lab. 2000.
- * Creat **Visulaization and Multimedia** Lab. 1998, with USA fund.
- * Developing the **Library** of Faculty of Engineering. 1996.
- * Prepare and install **HydraulicMachine Lab** 1990.

F- Employment Record

F-1. Work Experiences

- * **Secretary, Scientific Committee** for Egyptian Universities Associate Professors and Professors Promotions, in Mechanical Power, Automotive Engineering and. Aerospace (2019-2022).
- * **Adviser for the Minister of Higher Education.** From Feb. 2016 until June 2018.
- * **Secretary, Scientific Committee** for Egyptian Universities Associate Professors and Professors Promotions, in Mechanical Power, Automotive Engineering and. Aerospace (2016-2019).
- * **Manager of developing project unite-** Ministry of Higher Education. From August 2016- August 2017.
- * **Chief Information Officer (CIO) - Manager of** “Communication and Information Technology center” Zagazig University. (2004 - 2013).
- * Member of the committee of **Digital Libraries** and automation of Egyptian Universities libraries since 2009-2013.
- * Chairman of the committee of **Digital Libraries** and automation of Egyptian Universities libraries since 2004-2009.

F-2- Academic Administration Experiences

- 11- Member of university counsile, **Delta university, (2020-2021).**
- 10- Head of faculty enginereening counsile, Delta University, (2020-2021) .

- 9- Member of Electricity & Energy research Council. Academy of Scientific Research & Technology. Scine November 2015 – April 2018.
- 8- Head of the committee of postgraduate studies -Faculty of Engineering. Zagazig University. 2014-2016.
- 7- Head of the committee of scientific relation -Faculty of Engineering. Zagazig University. 2014-2016.
- 6- Evaluation member of the scientific committee of “Mechanical power Engineering , Automotive and Aviation” since 2010-2016 till now.
- 5- Member of the committee of Faculty of Engineering – Zagazig University since 2009-2016.
- 4- Member of the Consultant committee of Scientific Acadimy Research and technology- Sharkia Government since 2005-2010.
- 3- Member of the national committee of information and councination tecnology. Suprem council of Universities since 2005 till 2013.
- 2 - Member of the committee of library of Zagazig Univerity since 2009 till 2013.
- 1- Chairman of the committee of library of College of Engineering – Zagazig University since 2003 till 2019.

F-3- Technology Transfer and Commercialization Experiences

- * **Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, August 2003- till now.**
- * Visiting Professor, Engineering Science and Mechanics Department. Virginia Polytechnic Institute and State University USA, July 1999 - July 2000.
- * Visiting Professor, Mechanical Department. Virginia Polytechnic Institute and State University, Gas turbine laboratory, USA, June- December 1998.
- * Visiting Professor, Engineering Science and Mechanics Department. Virginia Polytechnic Institute and State University USA, August- October 1997.
- * Associate Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, June 1995- August 2003.
- * Visiting professor, Mechanical Department, Virginia Polytechnic Institute and State University, Structural Imaging and Model Analysis Laboratory, USA, August- September 1995.
- * Visiting professor, Mechanical Department. Virginia Polytechnic Institute and State University, Combustion control laboratory, USA, January - June. 1994.
- * Assistant Prof. Mechanical Power Department, Faculty of Engineering, Zagazig University, Zagazig – EGYPT, Dec. 1989 - June 1995.
- * Lecturer in College of Technological Studies, Kuwait, Sept. 1984 - July 1988.

*** ORGANIZING CONFERENCES AS FOLOWS:-**

- 1- Member of the organizing committee of *the 22th International Conference of Water Technology*. Ismailia, **Egypt, September,2019.**
- 2- Member of the organizing committee of *the 21th International Conference of Water Technology*. Ismailia, **Egypt, June,2018.**
- 3- Member of the organizing committee of *the 20th International Conference of Water Technology*. Hurghada, **Egypt, May,2017.**

- 4- Member of the organizing committee of *the 19th International Conference of Water Technology*. **Sharm El-Sheikh, Egypt, May,2016.**
- 5- Member of the organizing committee of *the The International Conference of Engineering Sciences and Applications, Aswan, Egypt, January, 29 – 31, 2016.*
- 6- Member of the organizing committee of **"41st Annual Conference Comprehensive Development of The Sinai Peninsula “Futuristic, Sustainable & Comprehensive Strategy from the Egyptian Scientists at Home and Abroad in Collaboration with the Local Communities” December 26th – 28th, 2014 Sharm El-Sheikh - Egypt.**
- 7- Member of the organizing committee of *the 15TH " The 15th International Workshop on Research and Education in Mechatronics "REM 2014. Elgouna, Egypt, Sept,2014.*
- 8- Organizing Workshop on "Green Industry", TEMPUS Project "GIEP". *Zagazi University, Egypt, March 30,2014.*
- 9- **General secretary** of the organizing committee of *the 15th International Conference of Water Technology*. **Alexandria, Egypt, March,2011.**
- 10- **General secretary** of the organizing committee of *the 13th International Conference of Water Technology*. **Hurghada, Egypt, March,2009.**
- 11- **General secretary** of the organizing committee of **“Nine International Conference of Fluid Dynamics and Propulsion (ICFDP)”**, Alexandria, Egypt, December 14-17, 2008.
- 12- Member of the organizing committee of *the 12TH International Conference of Water Technology*. **Alexandria, Egypt, March,2008.**
- 13- Member of the organizing committee of *the Information and communication Technology conference*. **Cairo, Egypt, September,2007.**
- 12- **General secretary** of the organizing committee of **“Eight International Conference of Fluid Dynamics and Propulsion (ICFDP)”**, Sharm El-Sheikh, Egypt, December 14-17, 2006.
- 13- Member of **“Fluid mechanics systems technical committee”** which support **Annual ASME Fluids Engineering Division Summer Meeting, USA, since 1998,1999 and 2000.**
- 14- Member of the organizing committee of *the Fourth International Conference of Water Technology*. **Alexandria, Egypt, March,1999.**
- 15- Member of the organizing committee of *the Third International Conference of Water Technology*. **Alexandria, Egypt, March,1998.**
- 16- Member of the local **Organizing committee of** The Fifth International Conference of Fluid Mechanics, Cairo, Egypt, January 2-4, 1995.

F-4- FUNDRAISING AND COMMUNITY CAMPAIGNS

- 20- **Manager of developing project unite- Ministry of Higher Education. From August 2016-August 2017.**
- 19- Member at project **“ The future vision of Energy needs in Egypt for 2030- phase One – Comparative Study” funded from Academy of Scientific Research and Technology, Research Council of Electricity and Energy, 2016-2017.**

- 18- Team Leader at Zagazig University of TEMPUS project Number 530611-TEMPUS-1-2012-1-IT-TEMPUS-JPCR titled “Green Innovation and Entrepreneurship Programme“. 2012-2015.
- 17- Team Leader at Zagazig University of TEMPUS PROJECT NUMBER **516686-TEMPUS-1-2011-1-DE-TEMPUS-JPCR** TITLED “**JIM2L - DEVELOPMENT OF JOINT INTERNATIONAL MASTER DEGREE AND LIFELONG LEARNING FRAMEWORK IN MECHATRONICS**“. 2011-2014.
- 16- Team Leader at Zagazig University of TEMPUS PROJECT NUMBER **511132-TEMPUS-1-2010-1-DE-TEMPUS-JPHES** TITLED " **EDUCATION FOR SUSTAINABLE DEVELOPMENT BEYOND THE CAMPUS**" 2010-2013.
- 15- Chief Information officer for all "Information and Communication Technology Projects" ICTP projects **at Zagazig University**". Funded from SCU. Higher Education Enhancement Project. June 2009-June 2013.
- 14- Principale Investigator in the ICTP project titled “**Enhancement of Universities Information Network Infrastructure at Zagazig University**” IS-2-UP-07-ZAG-II. Higher Education Enhancement Project. June 2009-June 2013. Funded from SCU.
- 13- Team Leader at Zagazig University of for TEMPUS PROJECT NUMBER (JEP 33108-2005), Titled “**Development of an industry-linked Mechatronics Program with Training of Trainers**”, 2007-2010.
- 12- Principale Investigator in the ICTP project titled “**Mangement Information System For Zagazig University**” MIS-UP-07-ZAG. Higher Education Enhancement Project. Funded from international World Bank, 2006-2008.
- 11- Principale Investigator in the ICTP project titled “**Enhancement of Universities Information Network Infrastructure at Zagazig University**” IS-UP-07-ZAG. Higher Education Enhancement Project. Funded from international world Bank, 2005-2008.
- 10- Member of the committee of digital libraries and automation of Egyptian Universities libraries since 2009-2013.
- 9- Chairman of the committee of “**Egyptian University Digital Library**” Higher Education Enhancement Project. Funded from international world Bank, 2004-2009.
- 8- Member in the MURI project (99-2000) titled “**Virtual Enviroment for Ship and Ship-Mounted Cranes**” funded from ONR Project- at Virginia Tech. USA, 99-0405-08, 1998.
- 7- Member in the research project titled “ **Preparation of Gas Turbine lab**” funded from NASA Project, at Virginia Tech. USA 1998.
- 6- Member in the research project titled “ **Seven-Sensor Probes for Dusty and/or Compressible Flows**” funded from NASA Project, NAS1-97071, - at Virginia Tech. USA 1997.
- 5- Member in the research project titled “**Computer Based Expert System Ammonia Plant**” funded from Supreme Council of Universities Foreign Relations CO-Ordination Unit (FRCU)., 1997- 2001.
- 4- *Member of the project titled “The Automation and Internet working of Engineering Libraries in Egyptian Universities*” Engineering Education Development Project. Funded from international World Bank, 1996.
- 3- Member in the research project titled “**Computer Based Expert System For Rotating Machinery "Preventive and Predictive Maintenance"**” funded from Supreme Council of Universities Foreign Relations CO-Ordination Unit (FRCU). Grant No. Mini/90078, 1990-1992.

- 2- Member in the research project titled "*Improved of Filtration Efficiency and Durability of Air Filter Cloths Used in Fertilizer Factories*" funded from Supreme Council of Universities Foreign Relations CO-Ordination Unit (FRCU). Grant No. C.B./90064, 1990-1991.
- 1- Member of *team for Fluid Mechanics* for "Evaluating Fluid Mechanics Teaching facility" part of the project "*Engineering Educational Development Project*", Sponsored by World International Bank, 1992.

F5- SCINTIFIC AREA OF INTEREST

- * Main area of interest in turbo-machinery, computational fluid dynamic, Green Energy (as solar energy .. etc) and Mechatronic.
- * Familiar with the software of Thermo-fluid and its application in fluid machinery with vibration and noise.
- * Familiar with the use of the latest computer software, computer net work, digital library, and e-learning.

F6- LANGUAGES * Arabic: Native tongue. * English: V. Good.

F7- MEMBERSHIP OF SCIENTIFIC SOCIETIES

- Member of Egyptian Society of Mechanical Engineering, **SME** (1159).
- Member of American Society of Mechanical Eng., **ASME**. (001503432).
- Member of Sigma Xi "The Scientific Research Society", USA (969992433).
- Member of Kuwait Society of Mechanical Engineering (8232).

G- REFERENCES

Prof. Hesham Mohamed Fawzy

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Prof. Dr. Ashraf Mohamed Elshihy

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E-mail : ragab@vt.edu

H- LIST OF PUBLICATION

H-1 Overall research performance

Overall research performance – Scopus – SciVal -H-index (6)

H-2- Books and Studies:

- 1- “ *The future vision of Energy needs in Egypt for 2030- phase One – Comparative Study*” Academy of Scientific Research and Technology, Research Council of Electricity and Energy, 2017.
- 2-“*Mechatronics Introductory course*” chapter “*E-learning tools and their application in Mechatronics*” Nabil H. Mostafa and Amal F. Abd-Gawad. Editor Rolf Bisenbach and Ken Rotter. Mechatronics Association Germany, Mechatronik e.v.2010.
- 3- **e-learning course of “Fluid Machine -1”** Magdy Abou Rayan, Nabil H. Mostafa and Berge Ohanness Djebedjian. **NELC- supprem council of universities. 2008.**

H-3 Scintific Papers:

- 66- “Experimental parametric passive solar desalination prototype analysis” Mohamed A. Essa, Mostafa M. Ibrahim, Nabil H. Mostafa. Journal of Cleaner Production 325 (2021) 129333. Elsevier.
- 65- “Performance analysis for an inclined tubular still desalination integrated with evacuated tube collector” Mohamed A. Essa, Estabrak N. Eewayed, Mohamed H. Gobran, and Nabil H. Mostafa. Solar Energy,EL-SEVIER. 224-pp 361–372-(2021).
- 64- “Performance Enhancement Of Etc By Changing Water Film Thickness” Mohamed A. Essa, Estabrak N. Eewayed, Mohamed H. Gobran, and Nabil H. Mostafa. Turkish Journal of Computer and Mathematics Education, Vol.12 No.8-pp 1929-1935- (2021).
- 63- " Performance analysis of a stand-alone hybrid energy system for desalination unit in Egypt" Mostafa M. Ibrahim*, Nabil H. Mostafa, Ahmed H. Osman, and Ahmed Hesham , ELSEVIER, J. Energy Conversion and Management **215 (2020) 112941**, [Volume 215](#), 1 July 2020, 112941.
- 62- “Passive Solar Desalination Systems. Classification, Study Parameters and Future Enhancements” Mohamed A. Essaa, Estabrak N. Eewayeda, Mohamed H. Gobrana, Nabil H. Mostafaa, The Egyptian International Journal of Engineering Sciences and Technology, <https://eijest.journals.ekb.eg>, Vol. 30- PP 66–78 (2020). Also, the22th International Conference of Water Technology. Ismailia, Egypt, September,2019.
- 61- “**Numerical and Experimental Investigation of Supercavitating Flow Development Over Different Nose Shape Projectiles**” Mohsen Y. Mansour, Mohamed H. Mansour, Nabil H. Mostafa, and Magdy Abou Rayan, IEEE, [DOI: 10.1109/JOE.2019.2910644](https://doi.org/10.1109/JOE.2019.2910644) , JOURNAL OF OCEANIC ENGINEERING, Pages 1-16, May 2019.
- 60- “**A computational study of heat transfer analysis for a circular tube with conical ring turbulators**” Mostafa M. Ibrahim* , Mohamed A. Essa and Nabil H. Mostafa, International Journal of Thermal Sciences, Elsevier, Vol. 137, Pages 138-160, March 2019.
- 59-”**An experimental investigation of the phase change process effects on the system performance for the evacuated tube solar collectors integrated with PCMs**”, Mohamed A. Essa, Nabil H. Mostafa, Mostafa M. Ibrahim, Energy Conversion and Management, Elsevier, Vol. 177 pages.1–10. 2018.

- 58 - ***"Theoretical and experimental study for temperature distribution and flow profile in all water evacuated tube solar collector considering solar radiation boundary condition"*** Mohamed A. Essa, N. H. Mostafa, Journal of "Solar Energy", Elsevier, Vol. 142, pg. 267-277, 2017 .
- 57- ***"EXPERIMENTAL AND THEORETICAL STUDY of SUPERCAVITATION PHENOMENA ON DIFFERENT PROJECTILES SHAPES"*** M. Y. Mansour ,M. H. Mansour ,N. H. Mostafa and M.A. Rayan. Nineteenth International Water Technology Conference, IWTC19 Sharm ElSheikh, 21-23 April 2016.
- 56 ***"Simulation Study for Natural Convection In Evacuated Tube Solar Collector Considering Radiation Boundary Condition"*** Mohamed .A. Essa, Nabil H. Mostafa. *The International Conference of Engineering Sciences and Applications, Aswan, Egypt, January, 29 – 31, 2016.*
- 55 ***" WATER-FLOW SIMULATION OF SUPERCAVITATION ON HEMISPHERICAL PROJECTILE USING TWO GRID DESIGNS"*** Mohsen Y. Mansour, Mohamed H. Mansour, Nabil H. Mostafa and Magdy Abu Rayan, *International Conference of Engineering Sciences and Applications, Aswan, Egypt, January, 29 – 31, 2016.*
- 54- ***" Numerical Investigation of Performance of Kaplan Turbine with Draft Tube"*** M. Adel and N. H. Mostafa. 18th International Water Technology Conference (IWTC-XVIII)12-14 March 2015.
- 53- ***" Modelling & Simulation of a Disturbed Renewable Energy Source to Provide a Stable Energy"*** Ahmed H. Osman1*, M. Talaat2, N. H. Mostafa1. 41st Annual Conference Comprehensive Development of The Sinai Peninsula "Futuristic, Sustainable & Comprehensive Strategy from the Egyptian Scientists at Home and Abroad in Collaboration with the Local Communities" December 26th – 28th, 2014 Sharm El-Sheikh - Egypt.
- 52- ***"Performance Analysis and Design of a Small Horizontal Axis Wind Turbine"*** N. H. Mostafa, M. Talaat2 and Mostafa. M. Ibrahim. 41st Annual Conference Comprehensive Development of The Sinai Peninsula "Futuristic, Sustainable & Comprehensive Strategy from the Egyptian Scientists at Home and Abroad in Collaboration with the Local Communities" December 26th – 28th, 2014 Sharm El-Sheikh - Egypt.
- 51- ***"Performance Analysis of aTransient Simulation for Heating System Using Evacuated Tube Solar Collector applied for SainaiPeninsula- Egypt environmental conditions-Case study"*** Mohamed. A. Abdelaziz, Ahmed. H. Osman, Nabil. H. Mostafa. "41st Annual Conference Comprehensive Development of The Sinai Peninsula "Futuristic, Sustainable & Comprehensive Strategy from the Egyptian Scientists at Home and Abroad in Collaboration with the Local Communities" December 26th – 28th, 2014 Sharm El-Sheikh - Egypt.
- 50- ***"A University-Industry Link in Egypt Using the Social Networks"*** M. Talaat, N. H. Mostafa, Y.H. Hossamel-deen and Radwan H. Abdel Hamid. 15th International Workshop on: Research and Education in Mechatronics. El-Gounah -EGYPT.Sept.- REM 2014.
- 49- ***" Use of Finite Element Method for the Numerical Analysis of Eddy Current Brake"*** M. Talaat and N. H. Mostafa, 15th International Workshop on: Research and Education in Mechatronics. El-Gounah -EGYPT. Sept. REM 2014. Journal of Electrical Engineering, Vol. 15, No. 1, pp. 121-126, 2015.
- 48- ***"Unsteady Numerical and Experimental Study of Cavitation in Axial Pump"*** Mostafa, H. N. and Adel, M, International Journal of Manufacturing, Materials, and Mechanical

- Engineering (IJMMME). 2014, Vol.: 4, Issue: 1, Article: 4, Pages: 14, ISSN: 2156-1680, EISSN: 2156-1672. DOI: 10.4018/ijmmme.2014010104.
- 47- **"Using the Social Networks on the Internet to Establish Mechatronics Network"** Mohammed S. Say and Nabil H. Mostafa, 13th International Workshop on: Research and Education in Mechatronics. Paris-France. October- REM 2012
46. **"Unsteady Numerical and Experimental Study of Cavitation in Axial Pump"** Mostafa, H. N. and Adel, M., VII International Conference on Environmental Hydrology, Cairo, Egypt, Sept., 2012. International Journal of Advances in Engineering, Science and Technology, Vol. 2, August, 272-282, 2012.
45. **"Unsteady Numerical Simulation of Cavitation in Axial Turbine"** Mostafa, H. N. and Adel, M., VII International Conference on Environmental Hydrology, Cairo, Egypt, Sept., 2012. *Journal of CFD letters*, Vol. 4, Sept., 140-149, 2012.
- 44- **"Effect of Blade Angle on Cavitation Phenomenon in Axial Pump"** Mostafa, H. N. and Adel, M., *Journal of Applied Mechanical Engineering*, Vol. 1, paper(1-6), 2012. <http://dx.doi.org/10.4172/2168-9873.1000112>.
- 43- **" A NUMERICAL/EXPERIMENTAL STUDY OF A MULTI-STAGE CENTRIFUGAL COMPRESSOR"** Nabil H. Mostafa, Ahmed F. Abdul-gawad, and Mohamed S. Emeara *The Egyptian Int. J. of Eng. Sci. and Technology Vol.14, No. 2 (May 2011)*.
- 42- **" Experimental and Numerical Study of Spoiler Effect on Ship Stability: Effect of Spoiler Inclination Angle"** Nabil H. Mostafa, Berge Djebedjian, Emad M. S. El-Said, Magdy Abou Rayan. *Journal CFD Letters Vol. 1(1) 2009*. www.cfdl.issres.net
- 41- **"EXPERIMENTAL AND NUMERICAL STUDY OF SPOILER EFFECT ON SHIP STABILITY: EFFECT OF AIR INJECTION POSITION"** Berge Djebedjian, Nabil H. Mostafa, Emad M. S. El-Said, and Magdy Abou Rayan, *Nine International Conference of Fluid Dynamics and Propulsion (ICFDP)*, Alexandria, Egypt, December 14-17, 2008. *Environmental Fluid Mechanics and hydraulics*, Cairo, September 28-30-2009.
- 40- **"EXPERIMENTAL AND NUMERICAL STUDY OF SPOILER EFFECT ON SHIP STABILITY: EFFECT OF SHIP FLOOR ANGLE"** Berge Djebedjian, Nabil H. Mostafa, Emad M. S. El-Said, and Magdy Abou Rayan, *Nine International Conference of Fluid Dynamics and Propulsion (ICFDP)*, Alexandria, Egypt, December 14-17, 2008.
- 39- **"Experimental and Numerical Study Of Spoiler Effect On Ship Stability (Effect of Spoiler Inclination Angle)** Berge Djebedjian, Nabil H. Mostafa, Emad M. S. El-Said and Magdy Abou Rayan, *The Twelve International Conference of Water Technology*. PP 729-746, Alexandria, Egypt, 27-30 March, 2008. *Nine International Conference of Fluid Dynamics and Propulsion (ICFDP)*, Alexandria, Egypt, December 14-17, 2008. *Environmental Fluid Mechanics and hydraulics*, Cairo, September 28-30-2009.
- 38- **"Numerical and Experimental Investigation of Cavitation in Axial Pumps"** Nabil H. Mostafa, and Mohammed A. Boraey , Eighth International Congress of Fluid Dynamics & Propulsion (ICFDP 8) , ASME, Sharm El-Shiekh, Sinai, Egypt, December 14-17, 2006. *eleven International Conference of Water Technology* , Sharm El-Shiekh, Sinai, Egypt, March, 2007.
- 37- **"Laminar and Turbulent Flow Characteristics of Non-Newtonian Homogeneous Slurries"** K. El-Nahas, and Nabil H. Mostafa, , Eighth International Congress of Fluid Dynamics & Propulsion (ICFDP 8) , ASME, Sharm El-Shiekh, Sinai, Egypt, December 14-17, 2006.
- 36- **"Prediction of Surge and Rotating Stall in Compressor"** Nabil H. Mostafa, Eighth International Congress of Fluid Dynamics & Propulsion (ICFDP 8), ASME, Sharm El-Shiekh, Sinai, Egypt, December 14-17, 2006.

- 35- **“Prediction OF Non-Newtonian Turbulent Flow Behaviour by A Newtonian Approach”** Kamal El-Nahas and Nabil H. Mostafa, *The Tenth International Conference of Water Technology*. Alexandria, Egypt, March, 2006.
- 34- **“Solution of Incompressible, Inviscid Euler Equation by an Optimally Efficient Multigrid Technique”** S. A. Mohamed, N. Mostafa, M. S. Matbuly, and S. Radwan , *Journal of Engineering and Applied Science ·Vol. 52(5), pp. 853-867, October 2005, Cairo University*. **“Solution of Incompressible Euler Equation by an Optimally Efficient Multigrid Technique”** Eighth International Congress of Fluid Dynamics & Propulsion (ICFDP 8) , Sharm El-Shiekh, Sinai, Egypt, December 14-17, 2006.
- 33- **“Numerical and Experimental Analysis Of Transient 2D Flow around ship spoiler”** Mostafa, N. H., *Mansoura Engineering Journal. MEJ.* March, Vol.28 No.1, PP. M1-M19. March, 2003. *The Eight International Conference of Water Technology*. Alexandria, Egypt, March, 2004.
- 32- **“2D Analysis For Computing Supersonic And Subsonic Flow Field By Using Schlieren Light”** Mostafa, N. H., *Mansoura Engineering Journal. MEJ.* March, Vol.28 No.1, PP. M20-M34. March, 2003.
- 31- **“3D Numerical and Experimental Analysis of Turbulence Energy Spectrum in Swirl Jet”** Mostafa, N. H., *Mansoura Engineering Journal, MEJ,* Vol.27 No.4, PP. M1-M22. December, 2002.
- 30- **“Flow Around Ship Spoiler”** Mostafa, N. H., *Mansoura Engineering Journal. MEJ.* March, Vol.26 No.3, PP. M1-M14. September, 2001. The International congress on Fluid Dynamics And Propulsaion, ICFDP 7, Cairo- EGYPT. December 18 –20, 2001. *12th International Mechanical Power Engineering Conference*, Mansoura, Egypt, October 30th-November 1st, 2001.
- 29- **“Computing Turbulent Flow Field of Swirl Jet”** Mostafa, N. H., *Mansoura Engineering Journal, MEJ,* Vol.26 No.2, PP. M66-M78. June, 2001. The International congress on Fluid Dynamics And Propulsaion, ICFDP 7, Cairo- EGYPT. December 18 –20, 2001. "Calculating Flow Field Characteristics of a Turbulent Round Jet Subjected to Vortex Generating Jets" XV ISABE-2001-1154, Bangalore, India,
- 28- **“Computed Transient Supercavitating Flow Over a Projectile”** Mostafa, N. H., 2001 *Mansoura Engineering Journal, MEJ,* Vol.26 No.2, PP. M79-M91. The International congress on Fluid Dynamics And Propulsaion, ICFDP 7, Cairo- EGYPT. December 18 –20, 2001. *The Nine International Conference of Water Technology*. Alexandria, Egypt, March, 2005.
- 27- **“Computed Flow Field From Schlieren Images Analysis”** N. H. Mostafa, *Forum Fluid Measurements and Instrumentation, ASME Fluids Engineering Conference*, Boston, Massachusetts, USA, June 11-15, 2000.
- 26- **“Vibration And Noise due to The Interaction Between Fluid And A Variable Speed Hermetic Reciprocating Compressor”** N. H. Mostafa, *Fluid Machinery Forum, ASME Fluids Engineering Conference*, Boston, Massachusetts, USA, June 11-15, 2000.
- 25- **“Space/Time Variation of Energy in the Jet Subjected To Vortex Generating Jets”** N. H. Mostafa. *Forum on High speed Jet Flows VI, ASME Fluids Engineering Conference*, Boston, Massachusetts, USA, June 11-15, 2000.
- 24- **“Cavitating Flow Over a Projectile”** N. H. Mostafa, A. Nayfeh, P. Vlachos and D. Telionis. *Seventh Semi-Annual MURI Meeting , Nonlinear Active Control of Dynamical*

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