**X. LIST OF PUBLICATIONS**

***Prof. Dr. REDA AHMED ABD EL-HAFEEZ EL-KORAMY***

**Physics Dept.,Fac. of Sci.,Assiut Univ.,Assiut , Egypt**

**I - Publications in International Journals:**

**( 1 ) Types of corona in air and nitrogen.**

A.S.Gabre and ***R.A.El-Koramy***

Indian Journal of Physics,Part B,vol.1,59B,pp.164-176,(1985).

**(2) Time-Formation of electrical discharge in air at atmospheric pressure using an external magnetic field.**

A.A.Aliverdiev, A.Z.Effendeiv, A.M.Unocov and ***R.A.El-Koramy.***

Zh.IZV.VUZ.FIZ.USSR,vol. 8 ,pp. 113-115, (1987), USSR. ( In Russian)

**( 3 ) Effect of the magnetic field on the energy and optical characteristics of gas discharge.**

A.A.Aliverdiev,N.A.Achurbecov,A.Z.Effendiev,A.M.Unocov and ***R.A.ElKoramy*.**

Zh. IZV.VUZ. FIZ. USSR, (J. Higher Sci. Phys. Information USSR), vol.32,no.4 ,

p.124,1989,USSR. Deposit in Inst. of Sci.& Techn. Information of National Office USSR and Academy of Sci. USSR, no 7245 - B (1988) at 30/09/1988(In Russian)

**( 4 ) Fast-electron effect on spatial-temporal distribution of radiation glow of He discharge through longitudinal tube.**

***R.A.El-Koramy*** , A.A.Turky, N.A.Achurbecov and A.Z.Effendiev.

Indian J. Pure & Applied Phtsics,vol.31,pp.116-118, (1993).

**( 5 ) Two anode corona glows as sources of spectrum and interference in air.**

A.A.Turky, ***R.A.El-Koramy*** and A.S.Gabre

J.OPTICA APPLICATA,Ajoint publication of the Inst.of Phys.,Technical Univ. of Wroclaw, POLAND & SPIE/POLAND CHAPTER in association with SPIE-the International Society for Optical Engineering,vol.23,no.1,pp.79-84,(1993), Poland

**( 6 ) Relaxation processes in neon gas after glow plasma.**

***R.A.El-Koramy***, A.M.A.Amry and N.A.Achurbecov.

J.. Modern Physics Letters B,vol.8,no.1,pp.49-58,(1994),World Scientific Pub- lishing Company : Singpore, New Jersey, London,Hong Kong.

**( 7 ) Magnetic field effect on the intensity distribution of radiation spectrum of the nanosecond discharge in argon.**

***R.A.El-Koramy***, A.A.Turky, N.A.Achurbecov and A.Z.Effendiev.

Indian Journal of Physics,Part B,vol.68 B(1),pp.93-96,(1994).

**( 8 ) Arc plasma model in stationary state.**

A.M.A.Amry, ***R.A.El-Koramy***, A.A.Turky and H.Abdelhakim.

Indian J. Pure & Applied Physics,vol.33,pp.451-454,(1995).

**( 9 ) A wall stabilized nitrogen arc model at different concentration of silver vapour and current intensity.**

A.M.A.Amry, M.S.Rasheedy, ***R.A.El-Koramy*** and A.A.Turky

Jpn. J.Applied Physics,Part 1,vol.34, no.7A,pp.3697-3702,(1995).

**(10) Population mechanism of the excited states of helium atoms at a hollow cathode in He-Ar mixture nanosecond discharge.**

***R.A.El-Koramy***, N.A.Achurbecov and K.O.Imenov.

Jpn. J.Applied Physics,Part 1,vol.37,no.6A,pp.3546-3547,(1998).

**(11) The excited atom’s kinetics in the plasma of transversal nanosecond discharge with slot-hole cathode**

N.A.Achurbecov, K.O.Imenov and ***R.A.El-Koramy*.**

International J.Modern Physics B, vol.16, No.26, pp.3993-4002,(2002).

**(12) Transversal magnetic field effect on the populations of excited states of helium atoms in nanosecond discharge.**

***R.A.El-Koramy*.**

International J. Modern Physics B, vol.18,no.3, pp. 395-408, (2004).

**(13)**  **Profiles of pressure broadened spectral lines in arc plasma .**

***R.A.El-Koramy*** and A.A.Turky.

J. Zeitschrift fur Naturforschung, Section A,vol.60a, no. 10, pp.727-735, Germany,(2005).

**(14) Role of Dielectric in Dicharge Voltage Decrease.**

***R.A.El-Koramy***

Japanese J. Applied Physics, vol.44, 7A, pp. 5055-5057 (2005).

**(15) The Peculiarities of Spark Channel Formation in Air Gas at Atmospheric Pressure.**

***R. A. El-Koramy ,*** Effendiev. A. Z. and Aliverdiev A. A.

J. Physica. B, : Condensed Matter,vol.392,pp.304-308 North-Holland, 2007..

**(16) The particularities of spark channel formation in helium gas at atomspheric pressure.**

***R.A.El-Koramy***, V. S. Kurbanismailov, O. A. Omarov, N. A. Ashurbecov and M. A. Arslanbecov

J. Phys. D.: Appl. Phys.,42 , 205208 (2009).

**(17) Effect of configuration and dimensions of reactor electrodes on electrical and optical corona**

**discharge characteristics.**

***R.A.El-Koramy***, A, Yahia and M. Omar.

Physics of Plasmas, 17, 053501 (2010).

**(18) Development of ac corona discharge modes at atmospheric pressure.**

***R.A.El-Koramy***, A, Yahia and M. Omar.

Physics of Plasmas, 18, 053502 (2011).

**(19) Calculation of complete absorption and intensity of optical radiation spectrum of HeI (λ=5875Å) with fine structure in He nanosecond discharge.**

***R.A.El-Koramy*** and N.A.Achurbecov.

J. Modern Physics, vol. 2, pp. 564 – 571 (2011).

**(20) Microscopic study of anode and cathode corona in argon.**

***R.A.El-Koramy***, A.M.A.Amry and A.S.Gabre.

J. International Review of Physics (I.RE. PHY.), vol. 7, no. 1, pp. 30 – 35 (Feb. 2013).

**(21) Spatial distribution parameters of plasma in longitudinal nanosecond discharge with hole**

**Cathode.**

***R.A.El-Koramy*** and N.A.Achurbecov.

Under Publication in: J. International Review of Physics (I.RE. PHY.),

**(22)** **Characteristics Arc-discharge Plasma with their Electrodes immersed in Water. (In Japanese)**

**水中アーク放電プラズマの特性に関する研究**

Daisuke Hirotani, Yuya Matsuoka, Ryujirou Suzuki, Atsushi Nezu, Shinsuke Mori (Tokyo Institute of Technology), ***R. A. El-Koramy*** (Assiut University), Hiroshi Akatsuka (Tokyo Institute of Technology).

廣谷***, R. A. El-Koramy*** (Assiut University)，赤塚洋 (東京工業大学) 太佑＊，松岡 祐也，鈴木 龍二郎，根津 篤，森 伸介 (東京工業大学)

017 National Convention I.E.E. Japan, 2017 Annual Meeting Record, IEE Japan, vol. 1, p. 96, Mar. 2017.

**(23) Plasma Spectroscopy Study of H2-He Mixture Microwave Discharge. (In Japanese)**

**マイクロ波放電水素－ヘリウム混合プラズマの発光分光計測**

Yasuka Onishi, Atsushi Nezu, ***R.A.El-Koramy***#, Hiroshi Akatsuka (Tokyo Institute of Technology)

大西　育佳＊，根津　篤，***R. A. El-Koramy***†，赤塚　洋 (東京工業大学).

2017 Annual Meeting, IEE Japan, 2017 Annual Meeting Record, IEE Japan, The Institute of Electrical Engineers of Japan, vol. 1, p. 93, Mar. 2017.

**(24) Experimental Study on Nitrogen Excited States by Puff onto Argon Arc-Jet Plasma. (In Japanese)**

**アルゴンアークジェットプラズマへの窒素ガスパフによる窒素励起状態に 関する実験的研究**

Senna Fukukawa, Atsushi Nezu, ***R.A.El-Koramy***#, Hiroshi Akatsuka (Tokyo Institute of Technology)

福川 千菜＊ 根津 篤 ***R.A.El-Koramy***† 赤塚 洋 (東京工業大学)

017 National Convention I.E.E. Japan, 2017 Annual Meeting Record, IEE Japan, vol. 1, p. 184, Mar. 2017.

**(25) An Engineering Review on Ozone Generation in Surface Dielectric Barrier Discharge Plasma Actuator Fed Oxygen Gas.**

***R. A. KORAMY*, J. K. YANG and H. J. LEE**

***Under publicaion in Physics of Plasma, 2020, USA.***

**II - Publications in Local Journals:**

**(25) Anode corona microphotography for a wire and plate system**

A.S.Gabre and ***R.A.El-Koramy*.**

Bull. Fac. Sci.,Assiut Univ.,vol.12(1),pp.25-38,(1983), Assiut,Egypt.

**(26) Cathode corona between negative wire and positive plate in nitrogen and air.**

A.S.Gabre and ***R.A.El-*Koramy.**

Bull. Fac. Sci.,Alex. Univ.,vol.27,no.1,pp.308-325,(1987),Alexanderia,Egypt.

**(27) Initiation and operation of anode spots during the electrical discharge in nitrogen.**

***R.A.El-Koramy***, A.A.Turky and A.S.Gabre Bull.Fac. Sci.,Assiut Univ.,Vol.21 no.2-A,pp.1-14,(1992),Assiut,Egypt.

**(28) Composition and electrical conductivity of an arc column contaminated by silver vapour.**

A.M.A.Amry and ***R.A.El-Koramy.***

Bull.Fac. Sci.,Assiut Univ. vol.22, no.2-A,pp.13-24,(1993),Assiut,Egypt.

**(29) Effect of prior atmospheric ionization on an insulator surface and subsequence flashover.**

***R.A.El-Koramy***, A.A.,Turky and A.A.Hashim

Bull. Fac. Sci., Assiut Univ.,vol.23, no.1-A,pp.1-18,(1994),Assiut,Egypt.

**(30) Nitrogen Laser.**

***R.A.El-Koramy***, A.A.Turky and Z.A.All

Bull.Fac. Sci.,Assiut Univ., vol.23,no.1-A,pp.41-54,(1994),Assiut,Egypt.

**(31) Effect of probe perturbation on the plasma potential.**

A.A.Turky and ***R.A.El-Koramy.***

Bull.Fac. Sci.,Assiut Univ.,vol.23, no.1-A,pp.55-63,(1994),Assiut,Egypt.

**(32) Analysis of pulseless positive corona from a coaxial cylinderical configuration** **with straight discharge wire in atomspheric air.**

A.A.Turky and ***R.A.El-Koramy.***

Sohag Pure & Applied Science Bulletin,Assiut Univ.,vol.10,Part B,pp.197-218(1994),Sohag ,Egypt.

**(33) Dependence of the complete** **absorption on the absorbent concentration in stimulated emission spectrum of a dye laser by the intra-resonator spectroscopy**

***R.A.El-Koramy***

Bull. Fac. Sci.,Assiut Univ.,vol.23,no.2-A,pp.41-50,(1994),Assiut,Egypt.

**(34) Excitation of ion-acoustic waves by parametric heating and strong - high frequency fields in a plasma.**

A.A.Turky and ***R.A.El-Koramy.***

Bull. Fac. Engineering,Assiut Univ., vol.Part II, pp.195-199 ,(1994),Assiut,Egypt.

**III - Publications in International Conference Proceedings:**

**(35) Time - formation of the volume discharge.**

***R.A.El-Koramy.***

In Proc.of The Fifth Young Scientists Conf. Daghestan Branch of the Academy of

Sci. USSR,Daghestan SSR,Makhatchkala,28-29 June1985,pp.10-11.(In Russian)

**(36) Dependence of the complete absorption on the absorbent concentration in stimulated emission spectrum of a dye laser by the intra-resonator spectroscopy**

***R.A.El-Koramy.***

In Proc.of The First International Conf. on Lasers & Applications:Advances in Sciences , Medicine and Technology,26 - 30 March (1994),Cairo Univ.,vol.1 , pp.228-237, Cairo, Egypt.

**( 6 ) Relaxation processes in neon gas after glow plasma.**

***R.A.El-Koramy*** , A.M.A.Amry and N.A.Achurbecov.

In Proc. of The Third Workshop on Plasma and Laser Physics , 3 - 7 Oct. 1993 , Ismailia,Egypt. Edited by Ph. Mertens, Institut fur Plasmaphysik,vol.15, pp.341-359,(1993),Julish , Germany.

**(37) Electric field intensity and breakdown potential distribution in the conduction corona region.**

A.A.Turky and ***R.A.El-Koramy.***

In Proc.of The Fourth International Conf. on Lasers & Applications:Advances inSciences,Medicine and Technology,31 Mar.-5 April 2001,Cairo Univ.,Cairo,Egypt

**(38) Photomicroscopic study of corona glow between wire-to-plate in air at low pressure.**

***R.A.El-Koramy*** and A.S.Gabre.

In Proc. of The Fourth International Conf.on Lasers & Applications:Advances in Sciences,Medicine and Technology,31 Mar.-5 April 2001,Cairo Univ.,Cairo,Egypt

**(20) Microscopic study of anode and cathode corona in argon.**

***R.A.El-Koramy***, A.M.A.Amry and A.S.Gabre.

In Proc. of The Fourth International Conf. on Lasers & Applications : Advances in

Sciences,Medicine and Technology,31 Mar.-5 April 2001,Cairo Univ.,Cairo,Egypt

**(39) Corona glow discharge spectra and glow spots in nitrogen gas and air at low pressure.**

***R.A.El-Koramy*** and A.S.Gabre.

In Proc. of The Fourth International Conf. on Lasers & Applications : Advances in

Sciences,Medicine and Technology,31 Mar.-5 April 2001,Cairo Univ.,Cairo,Egypt.

**(19) Calculation of complete absorption and intensity of optical radiation spectrum of HeI (λ=5875Å) with fine structure in He nanosecond discharge.**

***R.A.El-Koramy***

In Proc. of The First International Conference on Advanced Materials and Their Applications; Physics Devision, National Research Centre, Cairo, Egypt, 12 - 14 , Dec. 2005.

**(40) OES Measurements of Electron Temperature of Atmospheric-Pressure Microwave Discharge Argon Plasma — CR Model-Assisted Line-Intensity Measurement and Continuum Measurement. (In Japanese)** 大気圧マイクロ波放電アルゴンプラズマの電子温度の発光分光計測**—衝突輻射モデル計算付き線強度測定および連続スペクトル**

Hiroshi Akatsuka1, Toshifumi Yuji2, and Reda A. El-Koramy1,3 赤塚　洋1，湯地 敏史2，レダ・コラミー1,3

In Proc. The 34th Symposium on Plasma Processin/The 29th Symposium on Plasma Sciencefor Materials, P2 – 2, Supporo, Japan, Jan. 2017.

**(41) An Engineering Review on Ozone Generation in Surface Dielectric Barrier Discharge Plasma Actuator Fed Oxygen Gas**

**R. A. KORAMY\*,1, J. K. YANG and H. J. LEE**

***Under publicaion in Physics of Plasma, USA.***

**IV - Books:**

**(1) Bases and Principles of Electrical Alternating Current** (In Arabic)

***R. A. El-Koramy***

Publisher:Arabic Hebat El-Nile for Publication and Distribution, El-Dokki, Giza, Egypt, 2005.

**(2) Analysis of Electrical Current Circuits.** (In Arabic)

***R. A. El-Koramy***

Under Publication in: Hebat El-Nile for Publication and Distribution, El-Dokki, Giza, Egypt.

**(3) Trials Favorite in The World and The Hereafter** (In Arabic)

Prepared to be published.

**IV - Books:**

**(1) Bases and Principles of Electrical Alternating Current** (In Arabic)

***R. A. El-Koramy***

Publisher:Arabic Hebat El-Nile for Publication and Distribution, El-Dokki, Giza, Egypt, 2005.

**(2) Analysis of Electrical Current Circuits.** (In Arabic)

***R. A. El-Koramy***

Under Publication in: Hebat El-Nile for Publication and Distribution, El-Dokki, Giza, Egypt.

**(3) Trials Favorite in The World and The Hereafter** (In Arabic)

Prepared to be published.