

CURRICULUM VITAE

Name : **Devrim GOZUACIK, MD PhD**
Address : Sabanci University, Faculty of Engineering and Natural Sciences, Molecular Biology, Genetics and Bioengineering Program, Orhanli-Tuzla 34956, Istanbul, TURKEY.
Phone/Fax : +90-216-483 9617 or 90-216-483 9500 / +90-216-483 9550
E-mail : dgozuacik@sabanciuniv.edu
Web : <http://myweb.sabanciuniv.edu/dgozuacik>

EMPLOYMENT,

2011-today, Associate Professor, Biological Sciences and Bioengineering Program, Sabanci University.
Sept. 2006-2011, Assistant Professor, Biological Sciences and Bioengineering Program, Sabanci University.
2001-2006, Postdoctoral fellow, Weizmann Institute of Science (Adi Kimchi Lab).

EDUCATION,

2001, Ph.D. of Molecular Cell Biology, Paris Pasteur Institute and Necker IRNEM (Christian Brechot Lab), and Paris-Sud University.
1997, M.Sc. (French D.E.A. degree) of Biochemistry, Ecole Polytechnique (Andrea Parmeggiani Lab) and Paris-Sud University.
1995, Medical doctor (MD) degree, Hacettepe University, Faculty of Medicine (in English).
1994, Research fellow, Dept. of Tumor Biology, Rotterdam Erasmus Medical Center (Anne Hagemeyer Lab).
1989-1995, Student researcher, Hacettepe Children's Hospital and Oncology Institute.

AWARDS,

2014, Turkish Press Association, Sedat Simavi Health Sciences Award.
2014, Istanbul Kultur University, Prof. Onder Oztunali Science Award.
2008: Turkish Academy of Sciences Outstanding Young Scientist Award (TUBA-GEBIP Award).
2006: European Molecular Biology Organization, EMBO, Strategic Development and Installation Award.
2006: Selected by Hoffmann-La Roche Pharmaceuticals among the "Leading Bioscientists of the Next Decade"
2004-2006: European Union "Marie Curie Actions" Postdoctoral Fellowship.
2002-2004: Weizmann Institute Feinberg Graduate School Postdoctoral Fellowship.
2001-2002: French Organisation For Medical Research (FRM) Postdoctoral Fellowship.
1999-2001: French Cancer Research Association (ARC) PhD Scholarship.
1996-1999: TUBITAK / NATO A1 PhD Full Scholarship.
1989-1995: H.O. Sabancı Full Scholarship for Undergraduate Studies .

INCLUSION IN CATALOGUES,

Autophagy Researchers: Devrim Gozuacik. Autophagy 2012, 8 (12) 1709-1709.
Gozuacik D. European Molecular Biology Organization Young Investigator Catalogues 2006 to 2015.

PROFESSIONAL SERVICES,

A) International professional services,

2010-today: Board of Directors Member, International Cell Death Society (ICDS) (Based in New York).

2010-today: Editorial Board Member, Autophagy journal (SCI Impact Factor 12)

2014-today: Editorial Board Member, Turkish Journal of Biology (SCI Impact Factor 1.35)

2014: Guest Co-Editor, Turkish Journal of Biology

2007-2013: Referee, Autophagy, Cell Death and Differentiation, Oncogene, Oncotarget, Human Molecular Genetics, Nature Scientific Reports, Cell Death and Disease, Cell Signaling, Molecular Cancer, , BMC Cell Biology, Biochimica Biophysica Acta (BBA), FEBS Letters, Experimental Biology and Medicine, Current Cancer Drug Targets , Biotechniques, Functional & Integrative Genomics Journal, Journal of Oncology, Turkish Journal of Biology, Turkish Journal of Medical Sciences, Frontiers in Anti-Cancer Drug Discovery.

2007-today: Grant or academic referee/advisor, Cancer Research, UK (United Kingdom), Wellcome Trust (United Kingdom), The Health Research Board, (Ireland) ve Research Foundation Flanders, FWO (Belgium), KU Leuven, (Belgium), Goethe University (Germany), University of Pretoria (South Africa), University of Florida (USA).

B) National professional services,

2013: Academic Advisor, Izmir High Technology Institute, Gebze Technical University, Erciyes University.

2013-today: Academic Referee (2x) and GEBIP Award Referee (3x), Turkish Academy of Sciences (TUBA).

2012- today: Grant Referee, TUBITAK, National Science and Technology Council of Turkey, Uludag University, Ankara University.

2007-2011: Founding member, Turkish Molecular Biology Society (Moleküler Biyoloji Derneği), Turkish Cell Death Research Society (Hücre Ölümü Araştırma Derneği), MolBioTurk (MBT) National Research Network.

C) Scientific Meeting Organization,

1) **Karakoy Autophagy Symposium,** Karakoy Minerva Han, 22 October 2014, Istanbul, Turkey.

2) **International Cell Death Society (ICDS) Conference on Multidisciplinary Approaches in Cell Death Research,** 28-31 May 2010. **Organizers: Gozuacik D,** Lockshin R, Ozturk M, Zakeri Z, Kemer, Antalya, Turkey.

3) **European Molecular Biology Organization (EMBO) International Forum,** 20-22 February 2008. **Organizers: Ozoren N, Gozuacik D,** Wallon G, Bogazici University, Istanbul, Turkey.

4) **International Cell Death Symposium,** 9 April 2008. **Organizers: Ozturk M, Gozuacik D,** Istanbul, Turkey.

PATENTS

1) Gozuacik D. Usage of FC for cancer diagnosis and treatment. British Intellectual Property Office Patent Application Number: 1504298.9, March 13, 2013. Status: Pending.

- 2) Gozuacık D. Usage of FC for cancer diagnosis and treatment. Turkish Patent Office Patent Application Number :TR 2015/03084, March 13, 2013. Status: Pending.
- 3) Gozuacık D and Korkmaz G (PhD Student). Use of miRNAs for the diagnosis, propylaxis, treatment and follow-up of diseases involving macroautophagy abnormalities. World Intellectual Property Organization (WIPO)-Patent Cooperation Treaty (PCT). Patent Number: PCT/TR2010/000192. April 05, 2012-2015. Status: Pending (Country evaluation phase in the US, Canada, Asia).
- 4) Gozuacık D and Korkmaz G (PhD Student). Use of miRNAs for the diagnosis, propylaxis, treatment and follow-up of diseases involving macroautophagy abnormalities. European Patent Office Patent Number: EP10777121.4. April 05, 2012-2015. Status: Approved (European Union).

STUDENT/POSTDOC SUPERVISION

A) Supervision of Postdoctoral Scientists

- | | | |
|-------------------|-------------------------------|---------------------------------|
| 1) Dilek Cevik | 4) Karin Eberhart (Graduated) | 7) Ozlem Oral (Graduated) |
| 2) Amal Arachiche | 5) Ilyas Inci (Graduated) | 8) Geraldine Mitou (Graduated) |
| 3) Cenk Kig | 6) Ster Irmak (Graduated) | 9) Devrim Oz-Arslan (Graduated) |

B) Supervision of PhD Students

- | | | |
|-------------------------|-----------------------|-------------------------------|
| 1) Deniz Gulfem Ozturk | 4) Hacer Ezgi Karakas | 7)Kumsal Tekirdag (Graduated) |
| 2) Nur Mehpare Kocaturk | 5) Secil Erbil | 8) Gozde Korkmaz (Graduated) |
| 3) Yunus Akkoc | 6) Oznur Bayraktar | |

C) Supervision of MSc Students

- | | | |
|--------------------------------|--------------------------------|----------------------------|
| 1) Esra Sinoplu | 4) Derin Demiroglu (Graduated) | 7) Zeynep Itah (Graduated) |
| 2) Oznur Bayraktar (Graduated) | 5) Yekta Yamaner (Graduated) | |
| 3) Gokcen Gokce (Graduated) | 6) Ferah Gulacti (Graduated) | |

COURSES TAUGHT

A) Undergraduate level

- BIO 301 Introduction to Molecular Biology
- BIO 301L Introduction to Molecular Biology Lab
- BIO 306 Microbiology
- BIO 306L Microbiology Lab
- BIO 407 Multicellular Organization
- BIO 536 Cancer Biology
- BIO 580 Autophagy in Health and Disease

B) Graduate (MSc and PhD) level

- BIO 633 Mechanisms of Cell Death
- BIO 634 Molecular Medicine
- BIO 635 Nanotoxicology
- BIO 636 Cancer Biology
- BIO 680 Autophagy in Health and Disease

C) High School Students Summer School

- LYOFN04 Molecular Biology Genetic Engineering and Nanomedicine

INVITED TALKS AND POSTER PRESENTATIONS

^x Corresponding author. * First authors with equal contribution.

A) Keynote/Plenary Invited talks (International Meetings)

- 1) 1st Pharmacogenomics Summit, 27-28 November 2015, Istanbul, **Turkey**.
- 2) International Cofactor Life Sciences Conference (ICLS), 21-22 November 2015, Istanbul, **Turkey**.
- 3) TUBITAK-USA Cancer and Cancer Stem Cells Workshop, 8-10 October 2015, Manisa, **Turkey**.
- 4) 3rd International BAU Drug Design Congress, 1-3 October 2015, Istanbul, **Turkey**.
- 5) 24th International Symposium on Morphological Sciences, 2-6 September 2015, Istanbul, **Turkey**.
- 6) EMBO (European Molecular Biology Organization)-Cancer YIP Sectoral Meeting 2-4 September 2015, Prague, **Czech Republic**.
- 7) International Cell Death Society (ICDS) Conference on: Implementation of Knowledge of Cell Death, 28-30 May, Prague, **Czech Republic**.
- 8) 5th International Congress of Molecular Medicine: From Cell to Bedside, 20-22 May 2015, Izmir, **Turkey**.
- 9) The European Association for Cancer Research (EACR) Sponsored 3rd Anticancer Agents Development Congress, 18 - 19 May 2015, Izmir, **Turkey**.
- 10) Autophagy and Cancer Symposium, Centre de Recherches en Cancérologie de Toulouse, 15-19 September, 2014, **France**.
- 11) EMBO-Cancer YIP Sectoral Meeting, Institut Paoli-Calmettes/Centre de Recherche en Cancérologie de Marseille, 17-19 September, 2014, **France**.
- 12) International Cell Death Society (ICDS) Conference on: Cell Death and Diseases, 8-10 May 2014, Capetown, **South Africa**.
- 13) Istanbul Kultur University Nanotechnology and Tissue Engineering Conference, 20-21 December 2014, Istanbul, **Turkey**.
- 14) Federation of Biochemical Societies (FEBS) Advanced Lecture Course: 360° Degree Lysosome, 23-28 October 2014, Izmir, **Turkey**.
- 15) EMBO-Cancer YIP Sectoral Meeting, 8-10 September 2013, Antalya, **Turkey**.
- 16) European Microscopy Society Conference 2013, 25-30 August 2013, Regensburg, **Germany**.
- 17) International Cell Death Society (ICDS) Conference on: "Mechanisms of cell death", 6-9 June 2013, Malaga, **Spain**.
- 18) Bezmialem Medical Biology Annual Research Symposium, 14-15 May 2013, Istanbul, **Turkey**.
- 19) TUBITAK: The EMBO Meeting, 16 January 2013, Ankara, **Turkey**.
- 20) EMBO-Cancer YIP Sectoral Meeting, EMBL, 2-4 December 2012, Heidelberg, **Germany**.
- 21) International Cell Death Society (ICDS) Conference on: "Cell death: Ageing, Metabolism and Ramifications for Therapeutics and Drug Development", 29 June-1 July 2012, **Singapore**.
- 22) EMBO Forum 2012. Yeditepe University, 2012, Istanbul, **Turkey**.
- 23) Keystone Symposium: Cell Death Pathways: Beyond Apoptosis, 19-24 March 2012, Banff, Alberta, **Canada**.

- 24) EMBO-Cancer YIP Sectoral Meeting, King's College, 11-13 July 2011, London, **United Kingdom**.
- 25) 4th International Congress of Molecular Medicine, 27-30 June 2011, Istanbul, **Turkey**.
- 26) International Cell Death Society (ICDS) Conference on: "Multidisciplinary Approaches in Cell Death Research", Kemer, 28-31 May 2010, Antalya, **Turkey**.
- 27) Genetics of Neurological Disorders Workshop, Bosphorus University, 15-17 October 2010, Istanbul, **Turkey**.
- 28) EMBO Conference on "Autophagy: Cell Biology, Physiology and Pathology", 18-21 October 2009, Ascona, **Switzerland**.
- 29) International Cell Death Society Conference on "Cell Death in Infectious Diseases and Cancer", 5-9 June 2009, Johannesburg, **South Africa**.
- 30) European Workshop on Cell Death (EWCD), 1-6 June 2008, Hauenstein, **Germany**.
- 31) European Molecular Biology Organization (EMBO) International Forum, Bogazici University, 20-22 February 2008, Istanbul, **Turkey**.
- 32) International Cell Death Symposium, 9 April 2008, Istanbul, **Turkey**.
- 33) Keystone Conference: Metabolomics: From Bioenergetics to Apoptosis (G5), 2-7 April 2006, Snowbird, Utah, **USA**.
- 34) Roche Symposium for "For leading scientists of the next decade", 29-31 March 2006, Basel, **Switzerland**.
- 35) Gordon Research Conference (GRC) on "Autophagy in Stress, Development and Disease", 22-27 June 2003, Waterville, Maine, **USA**.
- 36) International Conference on the Molecular Biology of Hepatitis B Virus, Pasteur Institute, 17-21 September 2000, Paris, **France**.
- 37) 47th Conference of French Association of Liver Research (AFEF), 27-29 September 2000, Paris, **France**.

B) Keynote/Plenary Invited talks (National Meetings)

- 38) 23rd National Pharmacology Congress, 7-10 September 2015, Ankara, **Turkey**.
- 39) Molecular Biology Association Winter Retreat (Chair), 16-17 January 2015, Ankara, **Turkey**.
- 40) Excellence Science: ERC Enables Young Researchers Joint Symposium of TUBA and TUBİTAK, 29 August 2014, Istanbul, **Turkey**.
- 41) 5th Multidisciplinary Cancer Research Congress, 23 - 27 April 2014, Mugla, **Turkey**.
- 42) Cell Death Research Association's First Conference with International Participation, 30 October-03 November 2013, Izmir, **Turkey**.
- 43) National Cancer Conference, 19-23 April 2013, Antalya, **Turkey**.
- 44) 2nd Cell Death Research Techniques Course, 1-2 November 2012, Eskisehir, **Turkey**.
- 45) Current Approaches Symposium, Acibadem University Medical Faculty, 28 December 2011, Istanbul **Turkey**.
- 46) 1st Theoretical Course on Cell Death Research Techniques, 24-25 November 2011, Izmir, **Turkey**.
- 47) 3rd DETEA Conference, 17-18 November 2011, Istanbul, **Turkey**.

- 48) Acibadem University Mini Symposium: Fluorescence Techniques, Applications in Biology and Medicine, 5 November 2010, Istanbul, **Turkey**.
- 49) 3rd Multidisciplinary Cancer Research Symposium, 14-17 March 2010, Bursa, **Turkey**.
- 50) 20th National Immunology Congress, 19-22 November 2009, Girne, **Cyprus**.
- 51) 19th National Electron Microscopy Congress, 22-25 June 2009, Trabzon, **Turkey**.
- 52) 25th Turkish National Gastroenterology Week, 12-16 November 2008, Adana, **Turkey**.
- 53) 10th Turkish National Medical Biology and Genetics Congress, Belek, 6-9 September 2007, Antalya, **Turkey**.

C) Poster Presentations (Presenter's name is in *italics*) (Selected from >50 posters),

- 1) *Gozuacik D^x*. A novel regulator of mitophagy is a putative autophagy-UPS coordinator protein. Autophagy signalling and progression in health and disease, 9-12 September 2015, Chia, **Italy**.
- 2) *Gozuacik D^x*. A novel regulator of mitophagy is a putative autophagy-UPS coordinator protein. EMBO Conference, Ubiquitin and ubiquitin-like modifiers: From molecular mechanisms to human disease, 18-22 September 2015, Cavtat, **Croatia**.
- 3) *Gozuacik D^x*. MicroRNA control of autophagy. Gordon Research Conference (GRC) on Autophagy in Stress, Development and Disease: Autophagy at the Intersection of Health and Disease, March 16-21, 2014, Lucca, **Italy**.
- 4) *Tekirdag KA^{*}*, Korkmaz G^{*}, Ozturk DG, Agami R, *Gozuacik D^x*. MIR181A regulation of autophagy by targeting ATG5. ICDS meeting. 6 June.-9 June. 2013, Malaga, **Spain**.
- 5) Korkmaz G, *Tekirdag KA*, *Gozuacik D^x*. Investigation of the effect of miR-376b on target protein levels by SDS-PAGE and Western Blotting. EMBO PhD Course, 9-15 Sept. 2012, Heidelberg, **Germany**.
- 6) Mitou G, Oral O, *Bayraktar O*, *Gozuacik D^x*. A novel link between glycolysis and autophagy. FEBS SPECIAL MEETING/Protein Quality Control in Health and Disease. 14-16 November 2012, Kusadasi (Aydin), **Turkey**.
- 7) *Oral O*, Oz-Arslan D, Itah Z, Kosar A, Ekici S, Dogan-Ekici AI, Naghavi A, Devenci R, Karacali S, *Gozuacik D^x*. Cleavage of Atg3 protein by caspase-8 regulates autophagy. 6th International Symposium on Autophagy. 28 Oct.- 1 Nov. 2012, Okinawa, **Japan**.
- 8) *Gozuacik D^x*, *Karakas HE*, Oral O, Irmak S, Koc B^x. Optimized 3D Design and Bioprinting of Cells Based on Autophagy Analyses. 3rd TERMIS World Congress 2012: "Tissue Engineering and Regenerative Medicine". 5-8 Sept. 2012, Vienna, **Austria**.
- 9) Korkmaz G, le Sage C, Tekirdag AK, Agami R, *Gozuacik D^x*. MicroRNA Control of Autophagy. Gordon Research Conference (GRC) on Autophagy in Stress, Development and Disease, Autophagy - A Biomedical Paradigm. 11-16 March 2012, Ventura, CA, **USA**.
- 10) *Korkmaz G*, le Sage C, Tekirdag AK, Agami R, *Gozuacik D^x*. miR-376b controls starvation and mTOR inhibition-related autophagy by targeting ATG4C and BECN1. EACR Conference on Cell Death in Cancer. 26-28 January 2012, Amsterdam, **The Netherlands**.
- 11) *Mitou G*, Gulacti F, *Gozuacik D^x*. A glycolysis enzyme is a new autophagy protein. 2nd EMBO Conference on Autophagy in health and disease. 30 October - 4 November, 2011, Ma'ale Hachamisha, **Israel**.

- 12) Kuzuoglu D, Yalcinkaya OC, Korkmaz G, **Gozuacik D**, Budak H. “Cloning and functional analysis of Autophagy related gene, Atg, from Brachypodium and wild emmer wheat under abiotic stress”. PAG-XVIII, Plant and Animal Genome XVIII Conference, Town & Country Convention Center, January 9-13, 2010, San Diego, California, **USA**.
- 13) Korkmaz G, Agami R and **Gozuacik D**^x. miRNA regulation of autophagy.”. The 17th Euroconference on Apoptosis: Destruction, Degradation and Death, Institut Pasteur, 23-26 September 2009, Paris, **France**.
- 14) **Gozuacik D**, Bialik S, Raveh T, Mitou G, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A. Death Associated Protein Kinase is an integrator of autophagy and apoptosis. The 17th Euroconference on Apoptosis: Destruction, Degradation and Death, Institut Pasteur, 23-26 September 2009, Paris, **France**.
- 15) Gulacti F^{*}, Mitou M^{*}, **Gozuacik D**^x. Discovery of interaction partners and regulators of the autophagy and apoptosis protein Atg. European Workshop on Cell Death (EWCD), 1-6 June 2008, Hauenstein, **Germany**.
- 16) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T and Kimchi A. Death-associated protein kinase (DAPk) is an integrator of apoptosis and autophagic cell death. Gordon Research Conference (GRC) on Autophagy in Stress, Development and Disease, 6-11 January 2008, Ventura, CA, **USA**.
- 17) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T and Kimchi A. Death-associated protein kinase (DAPk) is an integrator of apoptosis and autophagic cell death. Keystone Symposium: Autophagy in Health and Disease, 15-20 April 2007, Monterey, CA, **USA**.
- 18) **Gozuacik D**, Raveh T, Shohat G, Mizushima N, Yoshimori T, Kimchi A. DAP kinase is a key mediator of stress-induced cell death. Federation of Israeli Societies on Experimental Biology (FISEB) Conference, 7-10 February 2000, Eilat, **Israel**.
- 19) Chami M^{*}, **Gozuacik D**^{*}, Lagorce D, Brini M, Falson P, Peaucellier G, Pinton P, Lecoer H, Gougeon ML, le Maire M, Rizzuto R, Brechot C, Paterlini-Brechot P. SERCA1-T a new SERCA1 truncated protein involved in cell proliferation and apoptosis. 4th European Calcium Society (ECS) Meeting on Calcium Binding Proteins, 11-14 April 2000, Brussels, **Belgium**.
- 20) Chami M^{*}, **Gozuacik D**^{*}, Saigo K^{*}, Capiod T, Falson P, Lecoer H, Urashima T, Beckmann J, Gougeon ML, Claret M, le Maire M, Brechot C, Paterlini-Brechot P. In vivo targeting of SERCA1 gene by hepatitis B virus DNA integration in a human hepatocellular carcinoma. 43rd Annual Meeting of the Biophysical Society, 13-17 February 1999, Baltimore, Maryland, **USA**.

PUBLICATION LIST

>3000 total citations in the Science Citation Index (SCI), h-Index: 16-18.

^xCorresponding authors. *First authors with equal contribution.

A) Peer-reviewed articles (Submitted or in press),

- 1) Klionsky DJ et al. (“International Autophagy Consortium” including **Gozuacik D**). Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). **Autophagy**, 2015 (SCI Impact Factor: 12) *In press*.
- 2) Kig C^x and **Gozuacik D**^x. Manipulation of autophagy for cancer treatment. **Current Pharmaceutical Design**, 2015 (SCI Impact Factor: 3.5) *Invited review submitted*.
- 3) Ozlem Oral^x, Yunus Akkoc, **Gozuacik D**. Physiological and Pathological Significance of Molecular Cross-talk Between Autophagy and Apoptosis. **Histology and Histopathology**, 2015 (SCI Impact Factor: 2.2) *Invited review submitted*.
- 4) Tekirdag KA, Akkoc Y and **Gozuacik D**^x. MIR376 family and cancer. **Cancer Letters**, 2015 (SCI Impact Factor: 5.6) *Submitted*.

B) Peer-reviewed articles (2013-2015),

- 5) Oral O^x, Cıkım T, Zuvın M, Unal O, Yagci-Acar H, **Gozuacik D**, Kosar A^x. Effect of Varying Magnetic Fields on Targeted Gene Delivery of Nucleic Acid-based Molecules. **Annals of Biomedical Engineering**, Year: 2015. Pages: 1-11, Published online: DOI 10.1007/s10439-015-1331-6, International (SCI Impact Factor: 3.2).
- 6) Demir F, Hocaoglu I, Ozturk DG, Kiraz A, **Gozuacik D**, Yagci-Acar H^x. Highly Luminescent and Cytocompatible Cationic Ag₂S NIR-emitting Quantum Dots for Gene Transfection and Optical Imaging. **Nanoscale**, Year: 2015. Volume: 7, Issue: 26, Pages: 11352-11362, Published, International (SCI Impact Factor: 6.7).
- 7) Kucukgul C, Ozler SB, Inci I, Karakas E, Irmak S, **Gozuacik D**, Taralp A, Koc B^x. 3D Bioprinting of Biomimetic Aortic Vascular Constructs with Self-Supporting Cells. **Biotechnology and Bioengineering**, Year: 2015, Volume: 112, Issue: 4, Pages: 811–821, Published, International (SCI Impact Factor: 4.2).
- 8) Ozbey A, Karimzadekhouie M, Yalcin SE, **Gozuacik D**, Kosar A^x. Modeling of ferrofluid magnetic actuation with dynamic magnetic fields in small channels. **Microfluidics and Nanofluidics**, Year: 2015, Volume: 18, Issue: 3, Pages: 447-460, Published, International (SCI Impact Factor: 2.53).
- 9) Uzusen D, Demir E, Perk OY, Oral O, Ekici S, Unel M, **Gozuacik D**, Kosar A^x. Assessment of probe-to-specimen distance effect in kidney stone treatment with hydrodynamic cavitation. **Journal of Medical Devices**, Year: 2015. Volume: 9, Issue: 3, Pages: 1-8, Published, International (SCI Impact Factor: 0.7).
- 10) **Gozuacik D**^x, Yagci-Acar HF, Akkoc Y, Kosar A, Dogan-Ekici AI, Ekici S. Anticancer use of nanoparticles as nucleic acid carriers. **Journal of Biomedical Nanotechnology**, 2014, September; Volume: 10, Issue: 9, Pages: 1751-1783, Published, International (SCI Impact Factor: 7.6).
- 11) Karakas HE and **Gozuacik D**^x. Autophagy and cancer. **Turkish Journal of Biology**, 2014, Volume: 38, Pages: 720-739, Published, International (SCI Impact Factor: 1.35).

- 12) Mehta R, Geckil H and **Gozuacik D**. Cancer: Normal cells' reply to a deadly fate (Editorial). **Turkish Journal of Biology**, 2014, Volume: 38, Page: 700, Published, International (SCI Impact Factor: 1.35).
- 13) Korkmaz G*, Tekirdag KA*, Ozturk DG, Kosar A, Sezerman OU and **Gozuacik D^x**. MIR376A is a regulator of starvation-induced autophagy. **PLoS ONE**, 2013, Volume: 8, Issue: 12, Article No: e82556. Pages: 1-10, doi:10.1371/journal.pone.0082556, Published, International (SCI Impact Factor: 3.5).
- 14) Tekirdag KA, Korkmaz G, Ozturk DG, Agami R, **Gozuacik D^x**. MIR181A regulates starvation- and rapamycin-induced autophagy through targeting of ATG5. **Autophagy**, Year: 2013, Volume: 9, Issue: 3, Pages: 374-85, Published, International (SCI Impact Factor: 12).
- 15) Kurtoglu M, Kaya A, **Gozuacik D**, Yagci Acar HF, and Kosar A^x, Experimental study on convective heat transfer performance of iron oxide nanoparticle-based ferrofluids in microtubes. **ASME Journal of Thermal Science and Engineering Applications**, Year: 2013, Volume: 6, Issue: 3, Pages: 1-7, Published, International (SCI Impact Factor: 3.7).
- 16) Cıkım T, **Gozuacik D**, Ali Kosar A^x. Power Reclamation Efficiency of a Miniature Energy Harvesting Device Using External Fluid Flows (Bio-inspired device). **International Journal of Energy Research**, Year: 2014, Volume: 38 Issue: 10, Pages: 1318–1330, Published, International (SCI Impact Factor: 2.1)
- 17) Itah Z, Oral O, Perk OY, Sesen M, Demir E, Erbil S, Dogan-Ekici AI, Ekici S, Kosar A, **Gozuacik D^x**. Hydrodynamic cavitation kills prostate cells and ablates benign prostatic hyperplasia tissue. **Experimental Biology and Medicine**, 2013, Volume: 238 Issue: 11, Pages: 1242-50, Published, International (SCI Impact Factor: 2.8)
- 18) Erzurumlu Y, Kose FA, Gozen O, **Gozuacik D**, Eric A. Toth EA, Ballar P^x. A unique IBMPFD-related p97/VCP mutation with differential binding pattern and subcellular localization. **The International Journal of Biochemistry & Cell Biology**, Year: 2013, Volume: 45, Issue: 4, Pages: 773-82, Published, International (SCI Impact Factor: 4.2).
- 19) Tekirdag AK, Ozturk DG and **Gozuacik D^x**. Alteration in autophagic-lysosomal potential during ageing and neurological diseases: The microRNA perspective. **Current Pathobiology Reports**, Year: 2013. Volume: 1, Issue: 4, Pages: 247-261, Published, International (Open Access Journal).
- 20) Tekirdag KA and **Gozuacik D^x**. Role of miRNAs in the regulation of autophagy. **Pakistan Journal of Clinical and Biomedical Research**, Year: 2013. Volume: 1, Issue: 2, Pages: 6-10, Published, International (Open Access Journal).
- 21) Boyd LS, **Gozuacik D**, Joubert AM^x. Antitumor signalling of a novel microtubule inhibitor in human epithelial cervical carcinoma **South African Journal of Science and Technology**, Year: 2014, Volume: 33, Issue: 1, Art. #1279, <http://dx.doi.org/10.4102/satnt.v33i1.1279>, Published, International (Open Access Journal).

C) Peer-reviewed articles (Before 2013),

- 22) Korkmaz G, le Sage C, Tekirdag AK, Agami R, **Gozuacik D^x**. miR-376b controls starvation and mTOR inhibition-related autophagy by targeting ATG4C and BECN1. **Autophagy**, 2012 February; 8 (2): 1-12. (SCI Impact Factor: 12)

- 23) Oral O*, Oz-Arslan D*, Zeynep Itah, Naghavi A, Deveci R, Karacali S, **Gozuacik D^X**. Cleavage of Atg3 protein by caspase-8 regulates autophagy during receptor-activated cell death. **Apoptosis**, 2012, Aug;17(8):810-20. (SCI Impact Factor: 4).
- 24) Klionsky DJ et al. ("International Autophagy Consortium" including **Gozuacik D**). Guidelines for the use and interpretation of assays for monitoring autophagy. **Autophagy**, 2012 April; 8 (4): 1-100. (SCI Impact Factor: 12).
- 25) Kuzuoglu D, Cebeci-Yalcinkaya O, Akpinar BA, Mitou G, Korkmaz G, **Gozuacik D**, Budak H^X. Autophagy-related gene, TdAtg8, in wild emmer wheat plays a role in drought and osmotic stress response. **Planta** 2012, DOI: 10.1007/s00425-012-1657-3. (SCI Impact Factor: 3.4).
- 26) Perk OY, Sesen M, **Gozuacik D**, Kosar A^X. Kidney stone erosion by hydrodynamic cavitation and consequent kidney stone treatment. **Annals of Biomedical Engineering**, 2012, 2012, Sep; 40(9): 1895-902. (SCI Impact Factor: 2.4)
- 27) Kosar A^X, Sesen M, Oral O, Itah Z and **Gozuacik D^X**. Bubbly cavitating flow generation and investigation of its erosional nature for biomedical applications. **IEEE Transactions on Biomedical Engineering**, 2011 May;58(5): 1337-46. (SCI Impact Factor: 2.2)
- 28) Öz-Arslan D, Korkmaz G, **Gözüaçık D^X**. Otofaji: Bir hücresel stres yanıtı ve ölüm mekanizması (in Turkish). **Acıbadem Üniversitesi Sağlık Bilimleri Dergisi**, 2011 October 2(4), pages 184-94. **Review** (Turkish Citation Index).
- 29) Mitou G, Budak H, and **Gozuacik D^X**. Techniques to Study Autophagy in Plants. **International Journal of Plant Genomics**, 2009, Article ID 451357, 14 pages, 2009. doi:10.1155/2009/451357. **Review** (Scopus, Chemical Abstracts, PubMed, Google Scholar).
- 30) **Gozuacik D**, Bialik S, Raveh T, Mitou G, Shohat G, Sabanay H, Mizushima N, Yoshimori T, Kimchi A^X. DAP-kinase is a mediator of endoplasmic reticulum stress-induced caspase activation and autophagic cell death. **Cell Death and Differentiation**, 2008 15(12): 1875-86. (SCI Impact Factor: 8.4).
- 31) **Gozuacik D** and Kimchi A^X. Autophagy and cell death. **Current Topics in Developmental Biology**, 2007 78: 217-45. **Review**. (SCI Impact Factor: 7.8).
- 32) **Gozuacik D** and Kimchi A^X. DAPk protein family and cancer. **Autophagy**, 2006 2(2): 74-79. **Review**. (SCI Impact Factor: 12).
- 33) Llambi F, Calheiros F, **Gozuacik D**, Pays L, Del Rio G, Kimchi A, Mehlen P^X. The dependence receptor UNC5H2 mediates apoptosis through DAP kinase. **EMBO Journal**, 2005 Mar 23;24(6):1192-201. (SCI Impact Factor: 11.7).
- 34) Shani G, Marash L, **Gozuacik, D**, Bialik S, Teitelbaum L, Shohat G and Kimchi A^X. Death-associated protein kinase phosphorylates ZIP kinase, forming a unique kinase hierarchy to activate its cell death functions (Autophagic cell death induction by ZIP kinase). **Molecular and Cellular Biology**, 2004 24(19):8611-26. (SCI Impact Factor: 6)
- 35) **Gozuacik D** and Kimchi A^X. Autophagy as a cell death and tumor suppressor mechanism. **Oncogene**, 2004 23(16):2891-906. **Review**. (Selected by Thomson Reuters as **one of the 48 core papers on autophagy**.) (SCI Impact Factor: 8.5)
- 36) **Gozuacik D**, Chami M, Murakami Y, Faivre J, Lagorce D, Poch O, Biermann O, Knippers R, Bréchet C, Paterlini-Bréchet P^X. Identification and functional characterization of a new member of the human Mcm protein family: hMcm8. **Nucleic Acids Research**, 2003 Jan 15;31(2):570-9. (SCI Impact Factor: 8.8).

- 37) Paterlini-Brechot P, Saigo K, Murakami Y, Chami M, **Gozuacik D**, Mugnier C, Lagorce D, Brechot C^x. Hepatitis B virus-related insertional mutagenesis occurs frequently in human liver cancers and recurrently targets human telomerase gene. **Oncogene**, 2003 Jun 19;22(25):3911-6. (SCI Impact Factor: 8.5)
- 38) **Gozuacik D**, Murakami Y, Saigo K, Chami M, Mugnier C, Lagorce D, Okanoué T, Urashima T, Brechot C, Paterlini-Brechot P^x. Identification of human cancer-related genes by naturally occurring Hepatitis B Virus DNA tagging. **Oncogene**, 2001 Sep 27;20(43):6233-40. (SCI Impact Factor: 8.5).
- 39) Chami M*, **Gozuacik D***, Lagorce D, Brini M, Falson P, Peaucellier G, Pinton P, Lecoeur H, Gougeon ML, le Maire M, Rizzuto R, Brechot C, Paterlini-Brechot P^x. SERCA1 truncated proteins unable to pump calcium reduce the endoplasmic reticulum calcium concentration and induce apoptosis. **Journal of Cell Biology**, 2001 Jun 11;153(6): 1301-14. (SCI Impact Factor: 10).
- 40) Brechot C^x, **Gozuacik D**, Murakami Y, Paterlini-Brechot P. Molecular bases for the development of hepatitis B virus (HBV)-related hepatocellular carcinoma (HCC). **Seminars in Cancer Biology**, 2000 Jun;10(3):211-31. **Review**. ((SCI Impact Factor: 9.1)
- 41) Chami M*, **Gozuacik D***, Saigo K*, Capiod T, Falson P, Lecoeur H, Urashima T, Beckmann J, Gougeon ML, Claret M, le Maire M, Brechot C, Paterlini-Brechot P^x. Hepatitis B virus-related insertional mutagenesis implicates SERCA1 gene in the control of apoptosis. **Oncogene**, 2000 Jun 8;19(25): 2877-86. (SCI Impact Factor: 8.5).

D) Book Chapters,

- 42) **Gozuacik D^x** and Kig C. Cell death and autophagy: A historical perspective. **In the book: Cell Death 1994-2014**. Richard Lockshin and Zahra Zakeri (Eds.). **An Anniversary Publication of the International Cell Death Society (ICDS)**. 2015. ISBN: 978-0-9894674-4-5.
- 43) Arachiche A and **Gozuacik D^x**. Autophagy in health and disease. **In the book: Toxicity and autophagy in neurodegenerative disorders**. Jose Manuel Fuentes (Ed.). **Springer Publishing**. 2015. ISBN: 978-3-319-13938-8.
- 44) Tekirdag AK, Ozturk DG, **Gozuacik D^x**. Regulation of autophagy by miRNAs. Pages:. **In the book: AUTOPHAGY: Cancer, Other Pathologies, Inflammation, Immunity, and Infection**. Hayat MA, (Ed). **Elsevier Academic Press**, 2015. ISBN: 9780128010327.
- 45) Eberhart K, Oral O, **Gozuacik D^x**. Induction of autophagic cell death by anticancer agents. Pages: 179-202. **In the book: AUTOPHAGY: Cancer, Other Pathologies, Inflammation, Immunity, and Infection**. Hayat MA, (Ed). **Elsevier Academic Press** 2013, ISBN: 978-012-405530-8
- 46) Paterlini-Brechot P^x, Chami M and **Gozuacik D**. “Calcium ATPase Genes and Cell Transformation”. Pages 505-520. **In the book: Calcium, The Molecular Basis of Calcium Action in Biology and Medicine**. Pochet R, Donato R, Haiech J, Heizmann CW, Gerk V (Eds.). **Springer Publishing**, 2001. ISBN: 0-7923-6421-X.
- 47) Oral O, Irmak S, Ekici S, **Gozuacik D^x**. Ürolojide otofaji (Autophagy in urology). Pages: 271-283. **In the book: Moleküler Üroloji (in Turkish)**. Türkeri L, Ozer A, Narter F, (Eds). 2012, **Urooncology Association Publishing**. 2012. ISBN:978-975-01697-2-4.
- 48) **Gozuacik D^x**. Otofaji ve sinyal yolları (Autophagy and signaling pathways). Pages 49-60. **In the book: Hücre ölümü araştırma teknikleri (In Turkish)**. Koçturk S, Vatansever HS (Eds). **Eskisehir Osmangazi University Press**. 2012. ISBN No: 978-975-7936-95-4.

49) **Gozuacık D^x**. Otofaji analiz yöntemleri ve uygulama aşamaları (Autophagy analysis techniques and applications). Pages 133-146. **In the book: Hücre ölümü araştırma teknikleri (In Turkish)**. Kocturk S, Vatansever HS (Eds). **Eskisehir Osmangazi University Press**. 2012. ISBN No: 978-975-7936-95-4.

50) **Gozuacık D^x**. Otofaji ve sinyal yolları (Autophagy and signaling pathways). Pages 53-61. **In the book: Hücre ölümü araştırma teknikleri (In Turkish)**. Kocturk S, Vatansever HS (Eds). Dokuz Eylul University Press. 2011. ISBN No: 978-975-441-349-6.

51) **Gozuacık D^x**. Otofaji analiz yöntemleri ve uygulama aşamaları (Autophagy analysis techniques and applications). Pages 129-141. **In the book: Hücre ölümü araştırma teknikleri (In Turkish)**. Kocturk S, Vatansever HS (Eds). Dokuz Eylul University Press. 2011. ISBN No: 978-975-441-349-6.

E) Engineering Conference Papers,

52) Uzusen D, Oral O, Unel M, **Gozuacık D**, Kosar A. Title: Assessment of probe-to-specimen distance effect in kidney stone treatment with hydrodynamic cavitation. Activity Name: **4th European Conference on Microfluidics**, **Publisher: European Conference on Microfluidics**, Year: 2014, Published, International.

53) Kucukgul C, Ozler B, Karakas HE, **Gozuacık D**, Koc B. Title: 3D hybrid bioprinting of macrovascular structures. Activity Name: **3RD INTERNATIONAL CONFERENCE ON TISSUE ENGINEERING (ICTE2013)**. Publisher: Procedia Engineering, Year: 2013, Volume: 59 Pages: 183-192, Published, International.

54) Cıkım T, Tatar O, Kosar A, **Gozuacık D**. Title: Power Reclamation Efficiency of a Miniature Energy Harvesting Device Using Internal Fluid Flows. Activity Name: **INTERNATIONAL MECHANICAL ENGINEERING CONGRESS AND EXPOSITION**. Publisher: ASME, Year: 2013, Volume: 6, Pages: 195-205, Published, International.

55) Kurtoglu E, Kaya A, **Gozuacık D**, Acar HFY, Kosar A. Title: Heat Transfer Enhancement with Iron Oxide Nanoparticle Based Ferrofluids. Activity Name: **PROCEEDINGS OF THE 11TH INTERNATIONAL CONFERENCE ON NANOCHANNELS, MICROCHANNELS, AND MINICHANNELS**, Publisher ASME, Year: 2013, Article Number: V001T02A005, Published, International.

56) Cıkım TA, Tatar O, Kaya, A, **Gozuacık D** and Kosar Ax. Power reclamation of a bio-inspired miniature device using internal flows. **ASME, International Mechanical Engineering Conference Congress and Exhibition**, Houston, Texas, 2012.

57) Cıkım TA, Kaya, A, **Gozuacık D** and Kosar A. Power reclamation efficiency of a miniature energy harvesting device using internal fluid flows. **Global Conference on Global Warming**, Springer, 2012.

58) Kosar A, Akbas A, Sahin O, Kubilay A, Oral O, **Gozuacık D**. Bubbly cavitating flow generation and investigation of its erosional nature for biomedical applications. **2nd Micro and Nano Flows Conference**, 2009, Pages: 1-7. MNF2009. ISSN: 978-1-902316-72-7, ISBN: 978-1-902316-73-4.

59) Bilen H, Hocaoglu MA, Baran EA, Unel M, **Gozuacık D**. Novel Parameter Estimation Schemes in Microsystems. **IEEE International Conference on Robotics and Automation**, 2009, Pages: 2394-2399. ISSN: 1050-4729, ISBN: 978-1-4244-2788-8.

F) Published Abstracts,

- 60) Gozuacik D.** Title: Novel regulators of autophagy and relevance to human diseases Activity Name: XXIV International Symposium on Morphological Sciences, 2nd-6th September, 2015 Publisher: **Anatomy**, Volume 9, Suppl 2, PAge: 89, Year: 2015, Published, International.
- 61) Gozuacik D.** Autophagy, cell death and disease. **In vivo**, 2011 May-June; 25 (3): 484-484.
- 62) Reef S, Gozuacik D.**, Zalckvar E, Bialik S, Shoal Y, Kimchi Ax. The road map to programmed cell death: Switching between apoptosis and autophagic cell death. **Autophagy**, 2006 Oct; 2 (4): 343-343.
- 63) Gozuacik D.**, Murakami Y, Saigo K, Chami M, Okanoue T, Urashima T, Kenmochi T, Ochiai T, Brechot C, Paterlini-Brechot P x. Gene trap in hepatocellular carcinoma (HCC) by hepatitis B virus (HBV) DNA insertional mutagenesis analysis. **Journal of Hepatology**, 2001 Apr; 34: 100-100 Suppl.1.
- 64) Chami M***, **Gozuacik D*** , Saigo K*, Capiod T, Falson P, Torchard D, Caudron B, Urashima T, Isono K, LeMaire M, Beckman J, Claret M, Brechot C, Brechot P x. In vivo targeting of SERCA1 gene by hepatitis B virus (HBV) DNA integration in a human hepatocellular carcinoma. **Biophysical Journal**, 1999 Jan; 76 (1): A381-A381 Part 2.
- 65) Chami M***, Saigo K*, **Gozuacik D*** , Poussin K, Falson P, Torchard D, Clepet C, Gyapay G, Caudron B, Urashima T, Kew M, Isono K, Le Marie M, Beckman J, Weissenbach J, Brechot C, Paterlini P x. HBV related insertional mutagenesis leads to hyperexpression of a HBV X SERCA 1 hybrid protein in a human hepatocellular carcinoma. **Hepatology**, 1998 Oct; 28 (4): 1278 Part 2 Suppl. S.