




CURRICULUM VITAE
LEVENT KENAR
PROFESSOR, MD.PhD.



I. PERSONAL DATA:

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II. SUMMARY OF AUTOBIOGRAPHY:

I have been working for more than 20 years in the CBRN Department in Ankara, Turkey and I am currently the Head of the Department as Professor of CBRN in this department. I have been tasked for scientific and training activities performed in the department including making scientific studies, giving lectures about the chem-bio weapons to governmental staff. I worked as PhD student in the doctorate program about CBRN agents between 1997-2002. Since I've been leading the CBRN Response Team established under the authority of

University in 2003 due to emerging threat rising from Saddam of Iraq, I was tasked in prompt and effective response to incidents and supervised the staff in the team at various times during my Professional period.

From the aspect of CBRN defense, I have been also assigned in various international organisations/ meetings and have represented Turkey in NATO- CBRN related groups like CBRN Working Group, CBRN Defense Working Group, NBC Initiatives in NATO Assessment Team. I was also certified as the inspector of UNMOVIC organized by the United Nations following the trainings in Geneva/Switzerland and UK given by United Nations. I also worked as a visiting scholar in University of Minnesota, USA between Sept 2010-Sept 2011.

I have 55 papers published in peer-reviewed international journals (48 indexed in SCI-E), 26 oral and 75 poster presentations in international scientific meetings. I have attended 15 international scientific activities as invited speaker. From the national perspective, I have 31 papers published in national journals indexed in National Medical Indices, and 26 oral and 19 poster presentations in national meetings. I had participated 48 national activities as invited lecturer.

Due to my knowledge and skills at CBRN response, I have been tasked in various assignments that caused me obtaining more experience in developing CBRN strategy, plans and training at some related organizations like Ministry of Defense, Ministry of Health, Ministry of Foreign Affairs, AFAD (Disaster and Emergency Management Authority, an institution working to prevent disasters including CBRN disaster and minimize disaster-related damages, plan and coordinate post-disaster response, and promote cooperation among various government agencies).

As the Chief of CBRN Department, I have supervised and trained about 20 instructors as CBRN expert and provided CBRN training for about 2500 national staff students in almost 50 training periods of 5 days (3 days theoretical and 2 days practical lectures) since 2003.

I have also participated in higher level Decision Making Process in support of CBRN response in Turkey. I have developed and instituted CBRN-related projects at University and both national and international levels. On the other side, I have provided consultancy covering strategic analysis, assessments and recommendations on CBRN related issues and emergency situations during multiple crisis events and exercises via briefings and written documents (the recent example was the Conference performed on 5th February 2020 on novel Coronavirus-19 which attracted too much attention by the public). Main purpose has been to mitigate the worst effects of the Coronavirus (COVID-19) pandemic by means of academic background and coordination in order to preserve the healthcare delivery system and help protect population. From that perspective, I have been involved in planning and executing CBRN meetings, panels and symposia in academic environment and media.

I have also established the Association of CBRN Defence Policy Development (CBRN-DEPA) which is the first and unique NGO on that branch in Turkey devoted exclusively to research, consultancy and training on issues related to defense against CBRN (Chemical, Biological, Radiological and Nuclear) agents which are still threatening our geographic location and the rest of the World. Founded in 2019, CBRN-DEPA strives to create a common platform to combat the spread of this threat in our country and to increase the awareness of these hazards by using scientific data and training the public including first responders. CBRN-DEPA serves actively in promoting the disarmament and deterrence of this danger with multi-disciplinary research and teaching groups of academicians and staff with the expertise of years in CBRN defense.

By these opportunities, I suppose that I've been fulfilled with the knowledge of CBRN and chemical demilitarisation and non proliferation which ultimately aims global peace. On the other side, I've been also organizing, attending, and speaking in congresses, seminars, conferences or workshops along with the supervising Project or group that may contain PhD and MSc students. I've been also designing CBRN courses and updating the curriculum requirements for various degrees.

III. EDUCATION:

1997 Sept. - 2002 Feb. Doctoral Graduate Program in Medical Aspect of NBC (Nuclear, Biological and Chemical) Defense, Department of NBC, Medical School of Gülhane Military Medical Academy (GMMA), Ankara (Türkiye).

1993-1996, Education of Specialization in Clinical Biochemistry, Dept. of Clinical Biochemistry, GMMA.

1993-1996, Hospital residency in Medicine as General Practitioner.

1984-1990, Medical School of GMMA: MD degree (1990).

1978-1984, Bursa Anatolian High School (medium of instruction was English).

IV. SUMMARY OF PROFESSIONAL SKILLS AND/OR EXPERTISE:

Fields of expertise:

Disaster training and planning

Clinical Laboratory of CBRN casualties,

Chemical and Biological Injuries,

Chemical and Biological Emergencies and Early Warning,

Emergency Medical Response for Disasters and CBRN Incidents,

Research on CBRN defense

Protection and Security of Chem-Bio Materials,

Decontamination and Disinfection

Management of a Medical Department

Consultancy on COVID-19

Coordination and network between the Organisations about CBRN Response.

Trainings Relevant to Professionals:

<u>Name of Training Activity</u>	<u>Date</u>	<u>Location</u>
1. Course on First-Aid and Life Support in Battlefield	01-12 April 1991	Ankara-Turkey
2. Advanced Course on Cardiac Life Support in Trauma and Battlefield	13-24 December 1993	Ankara-Turkey
3. Gladstone Lipid Clinic Training Program	07-08 May 1998	Ankara-Turkey
4. Regional Training Course on Biodosimetry and Diagnosis of Health Effects of Exposure to Ionizing Radiation.	18-22 October 1999	İstanbul-Turkey
5. OPCW (Organization for the Prohibition of Chemical Weapons) Chemical Weapons Protection Training Course for Instructors	27 March-01 April 2000	Slovenska Lupca, Slovakia

6. Weapons of Mass Destruction First Responder Training Course	10-14 September 2001	Ankara-Turkey
7. NATO Tactical Evaluation (TACEVAL) Course 02	04 Oct 2001	İzmir, Turkey
8. NATO LTSS Chemical and Biological Defense-Medical Countermeasures-SAS024	28-30 January 2002	Hague, the Netherlands
9. The 5th UNMOVIC (United Nations Monitoring, Verification and Inspection Committee) Training Course (for WMD Inspector)	19 February-22 March 2002	Geneva, Switzerland
10. Hospital Disaster Planning Workshop	07 June 2002	Antalya-Turkey
11. NATO Nuclear, Biological and Chemical Defense Initiatives, NATO Summit Display	09-23 Nov 2002	Prague, Czech Republic
12. NATO Live CBRN (Chemical, Biological, Radiological and Nuclear) Scene Training, Exercise Prototype Response	28 April-09 May 2003	Suffield, Alberta, Canada
13. NATO CBRN Exercise Final Response	29 Ağustos-06 Sept 2003	Dugway Proving Gr. UT, USA.
14. 4 th Singapore International Symposium on Protection Against Toxic Substances	04-10 Dec 2004	Singapore
15. International Medical Chemical Defense Conference 2005 (Bundeswehr Institute of Pharmacology and Toxicology)	27-28 April 2005	Munchen, Germany
16. International Symposium on NBC Terrorism Defense: In Commemoration of the Anniversary of the Tokyo Subway Attack	16-19 June 2005	Choshi City, Japan
17. The 4th UNMOVIC (United Nations Monitoring, Verification and Inspection Committee) Biological Advanced Training Course	25 July-05 Aug 2005	Swindon, UK
18. National NBC Symposium (with International Participation) (Organizing Committee Member)	08-09 Nov 2005	Ankara, Turkey
19. Medical Response Course in Battlefield (as Instructor)	27 Feb-11 March 2006 and 04-09 Dec 2006	Diyarbakır/Hakkari, Turkey
20. NBC 2006- Chemical, Biological, Nuclear and Radiological Threats	June 2006	Tampere-Finland
21. 9th International Symposium on Protection against Chemical and Biological Warfare Agents	22-25 May 2007.	Gothenburg-Sweden

22. Training on National Hospital Disaster Planning by Ministry of Health as Instructor)	24-27 Mar 2009	Yalova, Turkey
23. Workshop on "Response to Radiological and Nuclear Terrorism"	14-15 Jan 2010	Ankara, Turkey
24. CBRNe Convergence Conference and Exhibition	2-5 Nov 2010	Orlando, FL, USA
25. Emergency Medical Services: Medical Preparedness and Response to Bombing Incidents	12-13 Sept. 2011	Providence, RI, USA
26. Advanced Technology Application for Combat Casualty Care Conference 2011	15-18 Aug 2011	Fort Lauderdale, FL, USA
27. CBRNe Convergence 2011	01-03 November 2011	Istanbul, Turkey.
28. Workshop on "Weapons of Mass Destruction Terrorism"	31 Jan-01 Feb 2012,	Ankara, Turkey.
29. NATO NBC Defense Medical Working Group Member (Representative of Turkey)	In various times	NATO HQ, Brussels, Belgium
30. Postdoc Training, University of Minnesota, Center for Magnetic Resonance Research,	15.Sept.2010-16.Sept.2011,	Minneapolis, MN, USA.
31. Workshop Annual Workshop to Coordinate Assistance And Protection under Article of the Chemical Weapons Convention	30 June-02 July 2015	Antalya, Turkey
32. NATO Toxic Trip (Combined Interoperability CBRN Defence in Air Operations Exercise)	12 -21 October 2016	Antalya, Turkey
33. National Chemical Coordination, Planning, and Incident Response Workshop	13-16 December 2016	Lyon, France
34. NATO JCBRND-CDG, 8th Training and Exercise Panel	03-07 April 2017	Antalya, Turkey
35. OPCW Proficiency Test Workshop	19-20 July 2017	The Hague, Netherlands
36. OPCW First Responders Live Agent Training	04-14 June 2018	Zemianske Kostol'any, Slovakia,
37. 7th OPCW Assistance and Protection Training Course for Instructors	12-19 September 2018	Hague, Netherlands
38. OPCW International Workshop on Major Events Chemical Emergency Preparations	11-13 December 2018	Doha, Qatar

39. Tabletop Exercise on Article VII/ Biological Weapons Convention, United Nations	08-09 August 2019	Geneva, Switzerland
40. Biosafety and Biosecurity Train-the-Trainer Event, by CRDF Global	14-16 October 2019	Antalya Turkey

Computer Skills:

Operating systems (Windows based systems, XP, MacOs, MSDOS)

Spreadsheet (Microsoft Excel)

Word Processing (Microsoft Word)

Presentation (Microsoft PowerPoint, Macromedia Flash)

Database/Statistics (SPSS)

Languages:

Mother tongue: Turkish

Other Languages: English (fluent in written and verbal English proficiency)

German (sufficient for minimal working knowledge)

V. SUMMARY OF RELEVANT WORK EXPERIENCE:

Overview of work history:

- 1990-1993 Physician as General Practitioner under General Staff, Ankara and Kırklareli, Turkey
- 1993-1996 Resident in Clinical Biochemistry under the Department of Clinical Biochemistry of Gulhane Military Medical Academy (GMMA) School of Medicine, Ankara, TURKEY
- 1996-1997 Chief of Department of Clinical Laboratory at Erzincan Military Hospital, Erzincan, TURKEY
- 1997-2002 PhD. Student of Medical CBRN Defense under GMMA Institute of Health Sciences, Department of Medical CBRN Defense, Ankara, TURKEY
- 2003-2007 Assistant Professor of Clinical Biochemistry and Medical CBRN Defense under GMMA Institute of Health Sciences, Department of Medical CBRN Defense, Ankara, TURKEY
- 2007- 2015 Associate Professor of Clinical Biochemistry and Medical CBRN Defense under GMMA Institute of Health Sciences, Department of Medical CBRN Defense, Ankara, TURKEY
- 2015- present Professor of Clinical Biochemistry and Medical CBRN Defense under GMMA Institute of Health Sciences, Department of Medical CBRN Defense, Ankara, TURKEY
- 2008- Aug 2016 Chief of Dept. of Medical CBRN Defense under GMMA Institute of Health Sciences, Department of Medical CBRN Defense, Ankara, TURKEY
- Aug 2016- current Chief of Dept. of Medical CBRN Defense of University of Health Sciences (UHS), Department of Medical CBRN Defense, Ankara, TURKEY
- Dec 2019-current Chairman of CBRN Defence Policy Development Association

Management Experiences:

1991-1993 Chief of Mobile Surgical Hospital and Chief of Infirmary

1996-1997 Chief of Department of Clinical Laboratory at Erzincan Military Hospital, Erzincan, TURKEY

1997-2000 Chief of Hospital Central Laboratory, GMMA, Ankara, TURKEY
2003-2004 NBC (CBRN) Project Officer at General Staff Headquarter, Ankara, TURKEY
2003-2007 Assistant Professor at Department of CBRN Defense, Ankara, TURKEY
2007- 2015 Associate Professor at Department of CBRN Defense, Ankara, TURKEY
2015- present Professor of CBRN at Department of CBRN Defense, Ankara, TURKEY
2008- current Chief of Dept. of CBRN Defense, Ankara, TURKEY

Mission/Scientific Related Experiences:

- Central Clinical Laboratory Chief of Gulhane Medical Academy (1997-1998)
- NATO Tactical Evaluation-TACEVAL CBRN Auditor (2002-2005)
- Chief of Medical CBRN Response Team (2002-present)
- CBRN Exercises Involved:
 - Civil Defense NBC (CBRN) Exercise (Ankara, May 2002)
 - Medical NBC (CBRN) Exercise in a Military Hospital (Corlu, May 2005)
 - Hospital Medical CBRN Exercise (İzmir, 2007)
 - Hospital Medical CBRN Exercise (Çanakkale, May 2008)
 - NATO East Mediterranean CBRN Exercise (Marmaris, Nov 2008)
 - National CBRN Exercise (Ankara, Dec 2008)
 - Hospital Medical CBRN Exercise (Malatya, May 2009)
 - Military Medical Hospital CBRN Workshop and Exercise (Ankara, May 2012)
 - Turkish Armed Forces Joint CBRN Exercise (Antalya, Oct 2015)
 - NATO Toxic Trip Exercise (Antalya, Oct 2016)
- Symposium Organizing Committee Member
 - National NBC Symposium (15-16 May 2003, Ankara, Turkey)
 - National NBC Symposium with International Participation on Chemical Weapons (08-09 November 2005)
 - National NBC Symposium with International Participation on Biological Weapons (13-14 June 2007)
 - National Symposium on Nuclear and Radiological Hazard Management (symposium Chairman) (19-20 November 2009, Ankara, Turkey)
 - International CBRN Congress (5-7 December 2017, Ankara, Turkey) (Organizing Committee and Scientific Committee Member)
 - 2nd International CBRN Congress (28-30 November 2019, Ankara, Turkey) (Organizing Committee and Scientific Committee Member)
- Ministry of Defense, Member of CBRN Technology Panel (2014- continued)
- Ministry of Health, Member of Scientific Advisory Board of Emergency Health Services (Jan 2017- continued)
- Medical Management of Chemical Weapon Victims in Syria border (2015-2017)
- Establishment and Training of CBRN System of Syrian Border Military Ambulatory Surgical Hospital (31 Jan-01 Feb 2019, Hatay / Turkey)
- Member of Ethical Committee on Non-interventional Research (July 2017- continued)
- Member of CBRN Working Group of The Council of Higher Education (YÖK) (01 August 2018-continued)
- Chairman, Turkey's CBRN Defence Platform (www.cbrndefence.org)
- MSc./PhD Thesis Management
 - Dr. Zeki İlker KUNAK (2009-2010) (PhD)
 - Dr. Sermet SEZİGEN (2009-2010) (PhD)
 - Dr. Ufuk HUSAN (2010-2013) (PhD)
 - Dr. Koray Eyison (2012-2017) (PhD)
 - Chem. Eng. Ulviye Ersoy (2016-2017) (MSc.)

- Dr. Asli AYAN (2017- continued) (PhD)
- Maj. İlker KIREMITCI (2011-2014) (PhD)
- Ayla Sayın ÖZTÜRK (2017-2018) (MSc.)
- Dr. Erdim SERTOGLU (2018-continued) (PhD.)
- Dr. Bengu MUTLU (2019-continued) (PhD.)
- Dr. Ahu Pakdemirli (2020-continued)

Projects Involved:

- 1) Development of Protective Agent against Mustard (Ministry of Defense R&D Project # 35-98-02) (Assistant Researcher) (2000-2001)
- 2) Experimental evaluation of medical management against the effects of an organophosphorus compound which inhibits cholinesterases (Assistant Researcher) (2005-2006)
- 3) Development of a Method for Rapid Detection of an Anthrax Incident (Assistant Researcher) (2005-2006)
- 4) Determination of Correlation between the Severity of Strangulated Hernia and Blood D-Dimer Levels (Assistant Researcher) (2007-2008)
- 5) Analysis of Nitrogen Mustard and its Metabolites as a Chemical Warfare Agent by using Gas Chromatography-Mass spectrometry (GC-MS) (Project Manager) (2006-2009)
- 6) Determination of GADD45 gene expression as a bioindicator to show the effect of nitrogen mustard on human epidermal keratiocytes by using real-time PCR (Project Manager) (2007-continued)
- 7) Establishment of CBRN Analysis and Research Laboratory with Biosafety Level-3 in Military Medical Academy (Project Manager) (2011-continued)
- 8) Development of Plan for Disaster Risk Reduction in Turkey (Project Group Member) (2016-continued)
- 9) National Project on Strategy Document and Action Plan of Turkish Chemical Defense, (October 2017-continued)
- 10) The Health Security Project in Turkey (Consultant, Chemical Hazards for Early Warning and Response System), WHO Project, May 2010-continued)
- 11) "Rapid Accurate Integrated Detection of Pathogens-RAPID", (Consultant, European Commission HORIZON Project: SU-DRS02-2018-2019-2020, Sub-topic 2: [2019], Innovation for rapid and accurate pathogens detection, June 2019-cont.)
- 12) Establishment of National CBRN Training and Simulation Centre (Project Manager, University of Health Sciences Project, July 2019-cont.)
- 13) Project on Establishment of CBRN Biosensor Laboratory (Project Group Member, University of Health Sciences Project, Feb 2020 -cont.)

UN Related Experiences:

- 27 March-01 April 2000.....OPCW (Organization for the Prohibition of Chemical Weapons) Chemical Weapons Protection Training Course for Instructors, Slovakia
- 19 February-22 March 2002...The 5th UNMOVIC (United Nations Monitoring, Verification and Inspection Committee) Training Course Geneva, Switzerland.
- 25 June-05 July 2005.....The 4th UNMOVIC (United Nations Monitoring, Verification and Inspection Committee) Biological Advanced Training Course, Swindon-UK.
- April 2007..... Enrollment for the vacancy "Head of Health and Safety Branch" under the Deputy Director General of OPCW, the Hague, the Netherlands (I was one of 4 selected applicants interviewed by the Board)

- WHO Consultant under The Health Security Project in Turkey (Chairman of Working Group for Chemical Hazards for Early Warning and Response System), WHO Project. Related Activities:
 - Erken Uyarı ve Müdahale Sistemi İçin Akut Halk Sağlığı Tehditlerinin Önceliklendirilmesi Çalıştayı (Workshop on Prioritizing Acute Public Health Threats for Early Warning And Response System) , 13-17 May 2019, Ministry of Health, Ankara, Turkey.
 - Intersectoral Cooperation Workshop on Prioritizing Acute Public Health Threats, 17-21 June 2019, Ministry of Health, Ankara, Turkey.
 - 4th National Field Epidemiology Conference, 24-25 June 2019, Ministry of Health, Ankara, Turkey.
 - Intersectoral Revision Workshop on Prioritization of Acute Public Health Threats for Early Warning and Response System, 11-13 December, 2019 Ministry of Health, Ankara, Turkey.

Private Health Sector – NGO Experiences:

- Chairman of Turkey's CBRN Defence Platform (www.cbrndefence.com)
- Chairman of CBRN-Toxicology Working Group under Turkish Biochemistry Association
- Member of Disaster Researches Association
- Laboratory Manager as Clinical Biochemist
 - Red Crescent Medical Center (Kızılay Tıp Merkezi), Erzincan, Turkey (Dec 1996-Sept 1997)
 - Private Life Hospital (Özel Yaşam Hastanesi), Ankara, Turkey (Oct 1997-Oct 1998)
 - MedArt Day Hospital (MedArt Gün Hastanesi), Ankara, Turkey (Oct 1998-June 2003)
 - First Hope Medical Center (İlkumut Tıp Merkezi), Ankara, Turkey (Jan 2008- Mar 2010)

VI. LIST OF PUBLICATIONS

Papers published in international peer-reviewed journals indexed in SCI-E (Science Citation Index Expanded) (Peer-reviewed Journal Articles)

- 1) Serdar MA., Kurt İ., Özcelik F., Urhan M., Ilgan S., Yenicesu M., **Kenar L.**, Kutluay T., "A Practical Approach to Glomerular Filtration Rate Measurements: Creatinine Clearance Estimation Using Cimetidine", Annals of Clinical and Laboratory Science, 31(3): 265-273, 2001.
- 2) Kılıç D., Boyunağa H., Kaygusuz S., Akgül Ö., Rashed MA., **Kenar L.**, Erbil MK., Kutluay T., "Neopterin Levels in Nonreplicative HBV Carriers", Hepatology Research, 24(1): 18-22, 2002.
- 3) Demir C, Teke K, Fedai T, **Kenar L**, Bilgic H, Sen D., "Investigation of the correlation between inappropriate hospitalization and hospital stay rate: an application in medical clinics of a military hospital.", Military Medicine 167(10):817-20, 2002.
- 4) **Kenar L.**, Karayılanoglu T., Kose S., "Laboratory Conditions and Safety in a Chemical Warfare Agent Analysis and Research Laboratory", Military Medicine, 167(8): 628-633, 2002.
- 5) Karayılanoğlu T., Gunhan Ö., **Kenar L.**, Kurt B., "The Protective and Therapeutic Effects of Zinc Chloride and Desferrioxamine on Skin Exposed to Nitrogen Mustard", Military Medicine, 168(8): 614-617, 2003.
- 6) Karayılanoglu T., **Kenar L.**, Gulec M., "Evaluations over the Medical Emergency Responding to Chemical Terrorist Attack", Military Medicine, 168(8): 591-594, 2003.

- 7) Gunhan Ö., Kurt B., Karayılanoğlu T., **Kenar L.**, Celasun B., "Morphological and Immunohistochemical Changes on Rat Skin Exposed to Nitrogen Mustard", *Military Medicine*, 169(1): 7-10, 2004.
- 8) **Kenar L.**, Karayılanoglu T., "A Turkish Medical Rescue Team against NBC Weapons", *Military Medicine*, 169(2): 94-96, 2004.
- 9) **Kenar L.**, Karayılanoglu T., "Prehospital Management and Medical Intervention Following A Chemical Attack", *Emerg Med J.*, 21(1): 84-88, 2004.
- 10) Serdar MA., Tokgoz S., Metinyurt G., Tapan S., Erinc K., Hasimi A., **Kenar L.**, Bilgi C., Kutluay T., "Effect of Macro-CK and Increased CKBB on the rapid diagnosis of patients with suspected acute Myocardial Infarction in the Emergency Department". *Military Medicine*, 170(8): 648-52, 2005.
- 11) **Kenar L.**, Karayılanoglu T., Gulec M., "How would military hospitals cope with a nuclear, biological, or chemical Disaster?", *Military Medicine*, 169(10): 757-60, 2004.
- 12) Karayılanoğlu T, **Kenar L.**, "A proposal for regional chemical and biological defense among the Balkan countries", *Military Medicine*, 169(8):580-2, 2004.
- 13) Musabak U, Sengul A, Oktenli C, Pay S, Yesilova Z, **Kenar L.**, Sanisoglu SY, Inal A, Tuzun A, Erdil A, Bagci S., "Does immune activation continue during an attack-free period in familial Mediterranean fever?", *Clin Exp Immunol.*, 138 (3):526-33, 2004.
- 14) **Kenar L.**, Karayılanoglu T., Yuksel A., Gunhan Ö., Kose S., Kurt B., "Evaluation of Protective Ointments used against Dermal Effects of Nitrogen Mustard, a Vesicant Warfare Agent", *Military Medicine*, 170(1): 1-6, 2005.
- 15) Cosar A., **Kenar L.**, "An anesthesiological approach to nerve agent victims", *Military Medicine*, 171(1): 7-11, 2006.
- 16) **Kenar L.**, Boyunağa H., Serdar MA., Karayılanoğlu T., Erbil MK., "Effect of Nitrogen Mustard, a Vesicant Agent, on the Lymphocyte Energy Metabolism", *Clinical Chemistry and Laboratory Medicine*, 44(10): 1153-1157, 2006.
- 17) **Kenar L.**, Karayılanoglu T., "Medical preparedness against chemical and biological incidents for the NATO Summit in Istanbul and lessons learned", *Prehospital Disaster Medicine*, 21(4):268-71, 2006.
- 18) **Kenar L.**, Karayılanoglu T., Eryilmaz M., Ortatlatli M., Yaren H., "Chemical release at the airport and lessons learned from the medical perspective", *J Hazard Mater*, 144 (1-2): 396-399 (2007).
- 19) **Kenar L.**, Ortatlatli M., Karayılanoglu T., Yaren H., "Comparison of Real-Time PCR and Conventional PCR Methods for the Rapid Identification of Bacillus Anthracis", *Military Medicine*, 172 (7): 773-776, 2007.
- 20) **Kenar L.**, Ortatlatli M., Yaren H., Karayılanoglu T., Aydogan H., "Comparative Sporicidal Effects of Disinfectants after Release of a Biological Agent", *Military Medicine*, 172(6):616-621, 2007.
- 21) **Kenar L.**, Karayılanoğlu T. Aydın A., Serdar MA., Kose S., Erbil MK., "Protective Effects of Diets Supplemented with Omega-3 Polyunsaturated Fatty Acids and Calcium Against Colorectal Tumor Formation", *Digestive Diseases and Sciences*, 53(8): 2177-2182, 2008.
- 22) Zeybek N, Yildiz F, **Kenar L.**, Peker Y, Kurt B, Cetin T, Ide T, Tufan T., "D-dimer levels in the prediction of the degree of intestinal necrosis of strangulated hernias in rats", *Dig Dis Sci*. 53(7):1832-6, 2008.
- 23) Bulucu F., Oktenli C., **Kenar L.**, Koc B., Ocal R., Karadurmus N., Inal V., Yamanel L., Sanisoglu YS., Aydın A., "Detrimental effects of N-acetylcysteine plus desferoxamine

combination in an experimental nephrotic syndrome model", *International Journal of Toxicology*, 26(6):525-32, 2007.

24) Oktenli C., Ozgurtas T., Dede M., Sanisoglu YS., Yenen MC., Yesilova Z., **Kenar L.**, Kurt YG., Baser I., Smith J., Cianflone K., "Metformin decreases circulating acylation-stimulating protein levels in polycystic ovary syndrome", *Gynecological Endocrinology*, 23(12):710-5, 2007.

25) Ozgurtas T, Oktenli C, Dede M, Tapan S, **Kenar L**, Sanisoglu SY, Yesilova Z, Yenen MC, Erbil MK, Baser I., "Metformin and oral contraceptive treatments reduced circulating asymmetric dimethylarginine (ADMA) levels in patients with polycystic ovary syndrome (PCOS), Atherosclerosis, 2008.

26) Bulucu F., Oktenli C., **Kenar L.**, Koc B., Ocal R., Karadurmus N., Inal V., Yamanel L., Sanisoglu YS., Aydin A., "Efficacy of deferoxamine, N-acetylcysteine and selenium treatments in rats with Adriamycin-induced nephrotic syndrome", *Journal of Nephrology*, 21(4):576-83, 2008.

27) Turan Karayilanoglu, **Kenar L.**, Muhittin Serdar, Songul Kose, Ahmet Aydın, "Bacterial Biodegradation of Aldicarb and Determination of Bacterium Which Has The Most Biodegradative Effect", *Türk Biyokimya Dergisi [Turkish Journal of Biochemistry–Turk J Biochem]*, 33 (4); 209–214, 2008.

28) Korkmaz A., Yaren H, Kunak ZI, Uysal B., Kurt B., Topal T., **Kenar L.**, Ucar E., Oter S. "Epigenetic perturbations in the pathogenesis of mustard toxicity; hypothesis and preliminary results", *Interdisc Toxicol. Vol. 1(3–4): 236–241*, 2008.

29) Serdar MA., **Kenar L.**, Haşimi A., Koçu L., Türkmen YH., Kurt İ., Akman Ş., Erbil MK., "Tourniquet Application Time During Phlebotomy and The Influence on Clinical Chemistry Testing; Is It Negligible?", *Türk Biyokimya Dergisi [Turkish Journal of Biochemistry–Turk J Biochem]*, 33(3): 85-88, 2008.

30) Bulucu F, Ocal R, Karadurmus N, Sahin M, **Kenar L**, Aydin A, Oktenli C, Koc B, Inal V, Yamanel L, Yaman H. "Effects of N-Acetylcysteine, Deferoxamine and Selenium on Doxorubicin-Induced Hepatotoxicity", *Biol Trace Elem Res.*, 2009.

31) Serdar MA, Bakir F, Hasimi A, Celik T, Akin O, **Kenar L**, Aykut O, Yildirimkaya M, "Trace and Toxic Element Patterns in Nonsmoker Patients with Noninsulin-dependent Diabetes Mellitus, Impaired Glucose Tolerance, and Fasting Glucose, *Int J Diabetes Dev Ctries.* 2009 Jan;29(1):35-40.

32) **Kenar L**, Alp O., "Comparison of organic solvents used for the determination of mustard gas hydrolysis products in urine samples using gas chromatography-mass spectrometry", *Analytical Letters*, 43(3): 417-423, 2010.

33) **Kenar L.**, "The Use of Biosensors for the Detection of Chemical and Biological Weapons, *Türk Biyokimya Dergisi [Turkish Journal of Biochemistry–Turk J Biochem]*, 35 (1); 72-74, 2010.

34) Ozsari L., Boyunaga H., Karadurmus N., Sahin M., Uckaya G., Ural A.U., **Kenar L.**, Kutlu M., "Comparison of lymphomononuclear cell energy metabolism between healthy, impaired glucose intolerance and type 2 diabetes mellitus patients", *Endocrine* 38(1): 142, 2010.

35) **Kenar L**, Alp O, "Determination of nitrogen mustard hydrolysis products in rat urine samples using gas chromatography-mass spectrometry", *Journal of Chromatographic Science*, 49(5): 361-4, 2011.

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18) Taşkın G., Sezigen S., Yamanel L., **Kenar L.**: "Preparedness of Hospital Intensive Care Units for Chemical Casualties", Ulusal Yoğun Bakım Kongresi (National Intensive Care Congress), 12-15 November 2014, Antalya.

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National Activities as Invited Lecturer:

1) NBC R&D Seminar, 1999, Ankara.

2) NBC R&D Seminar, 2001, Ankara.

3) Turkish Ministry of Health "Course on Response against Chemical Weapons", 08-12 Oct 2001, Ankara.

4) Panel on Biological and Chemical Terrorism, 23 Nov 2001, Ankara.

5) First-aid Training in NBC Environment, 04-07 Dec 2001, Diyarbakır.

6) Panel on Biological and Chemical Terrorism, 31 Jan 2002, Ankara.

- 7) Turkish Ministry of Health "Course on Response against Chemical Weapons, 14-18 Oct 2002, Ankara.
- 8) Medical NBC Course, 11-15 Nov 2002, 09-13 Dec 2002, 20-24 Jan 2003, Gulhane Medical School, Ankara.
- 9) The Role of Anesthesiologist in the Attacks of Nuclear, Biological and Chemical Weapons (Panel) 31 Jan 2003, Gulhane Medical School, Ankara.
- 10) Harran University [Seminar (Nuclear-Biological-Chemical Weapons and Protection Methods)] 07 Mar 2003, Şanlıurfa.
- 11) (Turkish Ministry of Health "Course on Response against Chemical Weapons"), 31 Mar-04 Apr 2003, Ankara.
- 12) National Medical NBC Defense Symposium (Organizing Committee Member), 2003, Gulhane Medical School, Ankara.
- 13) National HPLC and Other Separation Techniques Symposium (Organizing Committee Member), 2003, Gulhane Medical School, Ankara.
- 14) Medical NBC Course, 18-22 Oct 2004, 22-26 Nov 2004, 13-17 Dec 2004, Gulhane Medical School, Ankara.
- 15) 2nd National Medical NBC Defense Symposium with International Participation (Organizing Committee Member), 2005, Gulhane Medical School, Ankara.
- 16) NBC Symposium (Organizing Committee Member), 2005, Çorlu Military Hospital.
- 17) Medical NBC Course, 21-25 Nov 2005, 30 Ekim-03 Nov 2006 Gulhane Medical School, Ankara.
- 18) Workshop on Battlefield Medical Response, (27 Feb-11 Mar 2006) (04-09 Dec 2006) (Van-Şırnak-Diyarbakır-Hakkâri Military Hospitals).
- 19) Panel on Hematopoietic Stem Cell Transplantation Strategy in Nuclear Accidents and terrorist attacks, 24 Nov 2006, Gulhane Medical School, Ankara.
- 20) 3rd National Medical NBC Defense Symposium with International Participation (Organizing Committee Member), 2007, Gulhane Medical School, Ankara
- 21) Course on Experimental Animals in Scientific Researches, (03-11 Nov 2008) and (12-23 Oct 2009), Gulhane Medical School, Ankara.
- 22) "Meeting on Sampling and Analytical Methods of CBRN and toxic industrial agents), 04-05 Mar 2009, İstanbul.
- 23) Training of Trainers on Hospital Disaster Planning of Turkish Ministry of Health, 24-27 Mar 2009, Yalova.
- 24) National Military Medicine Congress, 30 Apr 2009-02 May 2009, İstanbul.
- 25) Medical CBRN Course, 19-23 Oct 2009, 08-12 Oct 2012, 13-15 Nov 2012, Gulhane Medical School Ankara.

- 26) "CBRN Threat, Hospital Preparedness and Civil-Military Coordination" Panel, Hacettepe University, Ankara, 26 Feb 2013
- 27) Medical CBRN Course, (27 Feb-01 Mar 2013/ 05-07 Mar 2013/ 07-09 May 2013/ 08-12 Apr 2013), Gulhane Medical School Ankara. GATA-Ankara
- 28) Çukurova Neurology Days and Practical Approach to Neurological Patients, 13-15 Sept 2013, Gaziantep.
- 29) 2nd National Congress of Disaster and Disaster Training (20-23 Nov 2014), Antalya.
- 30) Medical CBRN Course, (25-27 Feb 2014, 03-07 Mar 2014, 09-13 Mar 2015, 13-17 Apr 2015, 04-08 May 2015), Gulhane Medical School Ankara.
- 31) 27th National Congress of Chemistry (23-28 Aug 2015) Canakkale.
- 32) 27th National Congress of Biochemistry (03-06 Nov 2015) Antalya.
- 33) Course on War Surgery and Trauma (25-27 Nov 2015) Ankara.
- 34) CBRN Awareness Training (21-24 March 2016), Antalya.
- 35) 18th National Congress of Intensive Care (06-10 April 2016), Antalya
- 36) Medical CBRN Course, (05-09 Dec 2016), University of Health Sciences, Ankara
- 37) National CBRN Training Workshop (21-22 Feb 2017), University of Health Sciences, Ankara
- 38) CBRN Training and Education Workshop National Council of Higher Education (26 April 2017, Ankara)
- 39) Training on Awareness for Chemical Weapon Exposure (Based on recent chemical weapon attacks) (18 May 2017, Gaziantep)
- 40) NATO International CBRN Training Curriculum For Trainers of First Responders to CBRN Incidents (Training Instructor), 16-20 October 2017, Disaster and Emergency Training Center, Ankara, Turkey.
- 41) Invited Lecturer for CBRN Lectures, Biruni University, First-aid and Disaster Curriculum, October-December 2017.
- 42) Invited Lecturer and Moderator, Training on Medical CBRN Awareness, by Ministry of Health, 08 December 2017, Ankara, Turkey.
- 43) CBRN Awareness Training (10-12 December 2019), Antalya.
- 44) Coronavirus and its Global Effects (Panel Organizer and Lecturer), 05 Feb 2020, Ankara.
- 45) Geopolitics of Eastmed (Panel Lecturer), 05 March 2020, Ankara.
- 46) Course on Disaster Victim Identification (Lecturer), General Directorate of Security, Ankara (12-21 August 2020).
- 47) Forensic CBRN-E course (Course Organizer), 27 March - 08 April 2021(60 hours online)

48) "2021 Concern of Pandemia and other Expectations", Panel Moderator) <https://cbrndefence.com/yazi/pandeminin-2021-seyri-ve-cok-yonlu-beklentiler> (online panel), 05 Jan 2021.

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2) **Kenar L.:** "CBRN Threat and Security", <https://www.tespam.org/cografyamizda-kbrn-tehdidi-ve-guvenligi/>, 06 September 2019, Ankara.

3) **Kenar L.** "Recent Chemical Weapon Attacks in Syria and Its Implications", Journal of Energy Policy Turkey, 7th issue (Syria Focus), 10 Nov 2019, <http://www.energypolicyturkey.com/recent-chemical-weapon-attacks-in-syria-and-its-implications/>

4) Prof. Dr. Kenar: Corona virüsünün tüm gerçeklerini anlattı (Dr Kenar explained all realities about Coronavirus), <https://www.yeniakit.com.tr/haber/prof-dr-kenar-corona-virusunun-tum-gerceklerini-anlatti-1054306.html>, **Yeni Akit**, 08 Feb 2020.

5) **Kenar L.:** "Global Biyolojik Afet: Coronavirus (COVID-19)", Afet Araştırmaları Derneği (Association of Research on Disaster), <https://www.afet.org.tr/global-biyolojik-afet-coronavirus-covid-19/>, 24 February 2020.

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8) **Kenar L.**, Hanci H. "Chemical Weapons: Be aware and don't fear" https://cbrndefence.com/yazi/kimyasal-silahlar-hakkinda-basin-bildirisi_04 Sept 2020 (Press Announcement)

9) **Kenar L.**, Hanci H. "Are CSI Teams ready for Radiation Incidents?", <https://cbrndefence.com/yazi/profdrlevent-kenar-ve-profdrhamit-hanci-yazdi-adli-bilimler-dosyasi-olay-yeri-inceleme-ekiplerimiz-radyasyonlu-vakalara-hazirlikli-mi>, 21 Nov 2020 (Press Announcement)

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2. Panel on Coronavirus and its Global Effects, (<https://www.youtube.com/watch?v=BvJChayCtQc&t=996s>), 05 February 2020, Ankara Social Sciences University, Ankara.
3. Statements on Coronavirus from Prof. Dr. Levent Kenar. (<https://www.yeniakit.com.tr/kart/haber/prof-dr-levent-kenardan-korkutan-koronavirus-aciklamasi-1085162.html>), 24 February 2020, Ankara.
4. Interview in a live TV program at HABERTURK following the First official Coronavirus case, (https://www.youtube.com/watch?v=ltq1_1quJfU), 12 March 2020, Ankara.
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