

**CURRICULUM VITAE of SARGUN A. TONT**



Department of Biology

Middle East Technical University

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**EDUCATION:**

B.S, 1961 Oregon State University, General Science

M.S, 1964 Oregon State University, Oceanography (Marine Ecology)

**PROFESSIONAL**

**EXPERIENCE:**

2004- Retired from Middle East Technical University. (Still teaching two courses per semester.)

1994- Program Manager, Division of Biological Sciences. Turkish National Research Council.  
(Concurrent)

1992 - 2004. Instructor, Middle East Technical University, Ankara, Turkey

1991-1992 Researcher. Middle East Technical University. Erdemli

1969-1990 Research Associate and Adjunct Lecturer, University of California at San Diego

**SPECIAL ACTIVITIES:**

1992-present Member of the Editorial Board of Bilim ve Teknik (Science and Technology Magazine published by the Turkish National Research Council.)

1993- 1995 Columnist and the member of the editorial board of Atlas Magazine.

1995- 1997 Ecology Columnist for Gezi Magazine.

2000-present Columnist, Tubitak Bilim ve Teknik (Science and Technology Magazine)

**Past and present memberships:** American Geophysical Union, Society of Oceanography and Limnology, Ecological Society of America, Society of Environmental Journalists ( Academic Status)

**PROFESSIONAL AREAS OF INTERESTS:**

Marine Ecology, Cultural Ecology, Environmental Science, Climatology,

Physical and Biological Oceanography, etc.

**TEACHING:**□

**Undergraduate courses:**

1. **Mystery of the Sea.** University of California, Extension. **This course was designed and first taught by the applicant.**
  
2. **Science and Poetry of the Sea** (Muir College, University of California at San Diego.) **(This course was designed and first taught by the applicant )**
  
3. **Mankind and the Environment** (Muir College, University of California at San Diego.) **(This course was designed and first taught by the applicant )**
  
4. **Oceanography** (National University, San Diego, California)
  
5. **Ecology** (Middle East Technical University, Ankara, Turkey)
  
6. **Applied Ecology** (Middle East Technical University. Ankara, Turkey. **(This course was designed and first taught by the applicant)**)
  
7. **Ecology and Evolution** (Sabancı University, Orhanlı, Turkey) **(This course was designed and first taught by the applicant)**

**Graduate courses:**

1. **Advanced Ecology** (Middle East Technical University. **(This course was designed and**

first taught by the applicant)

2. **Major Concepts in Ecology** (Middle East Technical University. **This course was designed and first taught by the applicant**)

3. **Fluctuations in Animal and Plant Populations.** (Middle East Technical University. (**This course was designed and first taught by the applicant**)

4. **Societal Dependence on Natural Ecosystems** (Middle East Technical University. (**This course was designed and first taught by the applicant** )

## PUBLICATIONS

### BOOKS AND BOOK CHAPTERS:

-S. A.Tont. ***Of Dancing Bears and Sacred Trees: Some Aspects of Turkish Attitudes Toward Nature and Their Possible Consequences on Biological Diversity*** . In: Cultural and Spiritual Values of Biodiversity. Darrell Posey (ed.) United Nations Intermediate Technology Publications, London. UK. (1999)

-S.A.Tont. 1997. ***Sulak Bir Gezegenin Öyküleri ( Tales from a Watery Planet)*** TÜBİTAK YAYINLARI 9th printing.

-S.A.Tont. ***W. E. Allen's 20-Year Phytoplankton Collection Volume 1. -Diatoms.*** IMR Ref.

No.86-3, 140 pp. (1986)

-S.A.Tont and T. Platt. ***Fluctuations in the Abundance of Phytoplankton on the California Coast.*** In.: Cyclic Phenomena in Marine Plants and Animals. E. Taylor and R. G. Hartnoll, eds., Pergamon Press, New York, pp.11-18. (1979)

-S.A.Tont. ***Daytime Depths of Sound Scattering Layers in the Major Biogeographic Regions of the Pacific Ocean*** . In.: Oceanic Sound Scattering Prediction, N. R. Andersen and B .J. Zahuranec, eds., Plenum Press, pp.811-815. (1977)

#### JOURNAL ARTICLES. (Scientific)

J. S. Arnold, M.D., M. H.Bartley, D.D.S., S.A.Tont and D. P. Jenkins. ***Skeletal Changes in Aging and Disease***  
Clinical Orthopedics, 49:17-38. (1966)

-J. S. Arnold and S.A.Tont. ***Bone Water Studied by Differential Centrifugation.*** Cal. Tiss. Res., 1:68-74. (1967)

-S.A.Tont and G .L.Wick. ***Response of a Deep Scattering Layer to the 1972 Total Solar Eclipse*** . Deep-Sea Res., 20:769-771. (1973)

-J. D. Isaacs, S.A.Tont and G. L.Wick. ***Deep scattering Layers: Vertical Migration as a Tactic for Finding Food.*** Deep-Sea Res., 21:651-656. (1974)

-S.A.Tont. ***The Effect of Upwelling on Solar Irradiance near the Coast of Southern California*** . J.Geophys.Res., 80(36): 5031-5034. (1975)

-S.A.Tont. ***Short-period Climatic Fluctuations: Effects on Diatom Biomass.*** Science, 194:942-944. (1976)

-S.A.Tont. ***Deep scattering layers: Patterns in the Pacific.*** CalCOFI Reports, 18:112-117. (1976)

-S.A.Tont, W.G.Pearcy and J.S.Arnold. ***Bone Structure of Some Marine Vertebrates.*** Mar. Biol., 39:191-196. (1977)

-S.A.Tont. ***The Long Journey into the end of the Artificial Night.*** Nature, 269:458. (1977)

-S.A.Tont and D.A.Delistraty. ***Food Resources of the Oceans: An Outline of Status and Potentials.*** Environmental . Conservation., 4(4):243-252. (1977)

-S.A.Tont. ***Sea level- air Temperature Correlations near a Coastal Zone.*** Nature, 276(5684): 171-172. (1978)

-S.A.Tont and D.A.Delistraty. ***The Effects of Climate on Terrestrial and Marine Populations.*** CalCOFI Reports, 21:85-89. (1980)

-S.A.Tont. ***The Sea: Its Science and Poetry.*** Interdisciplinary Science Reviews, 6(1):49-56. (1981)

-S.A.Tont. ***Temporal Variations in Diatom Abundance off Southern California in Relation to Surface Temperature, Air temperature and Sea Level*** . J. Mar. Res.,

39:191-201. (1981)

-S.A.Tont. ***Upwelling: Effects on Air Temperatures and Solar Irradiance***. Coastal Upwelling, Coastal and Estuarine Sciences, 1:s57-62. (1981)

-S.A.Tont. ***Variability of Diatom Species Populations: From Days to Years***. J. Mar. Res., 45:985-1006. (1987)

-S.A.Tont. ***Climatic Change: Response of Diatoms and Dinoflagellates***. Pacific Climate A.G.U. Monograph. (1989)

-S.A.Tont and A.C.Yalçiner. ***A Plea for Marine Parks***. In.: Proceeding of the First International Conference on the Mediterranean Coastal Environment, Erdal Özhan (ed.), pp.65-70. (1993)

#### **POPULAR ARTICLES ON SCIENCE AND HUMANITIES (A partial List):**

-S.A.Tont. ***Civilization through the tube***. Triton Times (Now UCSD GUARDIAN) vol.11, no.11. (1970)

-S.A.Tont. ***Biopsy on America***. Triton Times, (Now UCSD GUARDIAN) vol.12, no.12. (1971)

-S.A.Tont. ***Lysistrata and the Comedy of Errors***. (Unsigned) Triton Times, (Now UCSD GUARDIAN) vol.15, no.11. (1972)



-S.A.Tont. **Reader Gets clear view of the Sea**. San Diego Union, November 20. (1977)

The following articles are in Turkish:

-S.A.Tont. **Uzun Etap**. Atlas, 5:8-10. (1993)

-S.A.Tont. **Thoreau' nun Ülkesinde**. Atlas, 7:158-160. (1993)

-S.A.Tont. **Tarih Boyunca Doğa Sevgisinin Gelişimi**. Tabiat ve İnsan, pp. 8-10. (1993)

-S.A.Tont. **Doğayı Kurtarmayı Amaçlayan Kaç Düşünce Akımı Var?**. Cumhuriyet Bilim Teknik, 330:8-10. (1994)

-S.A.Tont. **Herkezin Beklediği Kaza..**. Tübitak Bilim ve Teknik, 318:30-36. (1994)

-S.A.Tont. **Denizin Kültürel Ekolojisi**. Tübitak Bilim ve Teknik, 319:54-59. (1994)

-S.A.Tont. **Bisiklet Çağına Hoş Geldiniz**. Tübitak Bilim ve Teknik, 320:70-75. (1994)

-S.A.Tont. **Balinalar**. Tübitak Bilim ve Teknik. 321:56-61. (1994)

-S.A.Tont. **Yok Olma ve Nedenleri**. Tübitak Bilim ve Teknik, 321:60-61. (1994)

-S.A.Tont. **Kalbimi Gökovaya Gömün.** Atlas, 17:58-66. (1994)

-S.A.Tont. **Ağaçların Kültürel Ekolojisi.** Tübitak Bilim ve Teknik, 323:56-57. (1994)

-S.A.Tont. **Kumsalda 95 Milyon Yıl.** Atlas, 19:86-96. (1994)

-S.A.Tont. **Thorau: Koruluklardaki Kızgın Peygamber..** Bilim ve Ütopya, 5:16-17. (1994)

-S.A.Tont. **Uzmanlaşmanın Sınırları.** Tübitak Bilim ve Teknik, 324:60-64. (1994)

-S.A.Tont. **Bisiklete Binme Sanatı.** Atlas, 21:182-184. (1994)

-S.A.Tont. **Ecokoloji ve Çevre Problemleri.** Tübitak Bilim ve Teknik, 326:66-71. (1995) (In Turkish)

-S.A.Tont. **Bilimsel Makaleler..** Tübitak Bilim ve Teknik, 327:64-66. (1995)

-S.A.Tont. **Sinop.** Atlas, 23:96-104. (1995)

-S.A. Tont **Deniz Tutkusu..** Yapı Kredi Sanat Mecmuası. Sayı 72. 1999

-S.A. Tont **Bir Ampülü Takmak İçin Kaç Fizikçi Gerekir?** Tübitak Bilim ve Teknik, 392: 82-85, 2000

**PLUS:**

Starting in October, 2000, the applicant has been writing a column, titled “Yaşam” (Life) every month for TÜBİTAK Bilim ve Teknik Magazine. These articles are not listed here.

**TALKS :**

1966 ***Bone water binding measured by differential centrifugation.*** Second International Biophysics Congress, Vienna, Austria, September. (J.S.Arnold and S.A.Tont; presented by Arnold)

1971 ***Study of benthic life by camera.*** Invited lecture, Departmental Seminar, Oregon State University, Corvallis, Oregon. January.

1971 ***The deep scattering layer.*** CalCOFI Annual Conference, Santa Barbara, November.

1972 ***Other Mid-Eastern humor.*** Lecture for extension course entitled: "Humor: Learning to laugh and learning to live." University of California, Extension, UCSD, La Jolla, November.

1974 ***Marine strife.*** Lecture presented in course, given by J. D. Isaacs, "History, Science and Technology in Marine Archaeology." UCSD, winter quarter. (Also assisted in course

preparation.)

1974 ***Distribution of deep scattering layers in the major biogeographic regions of the Pacific Ocean.*** 37th Ann. Mtg. of Limnology and Oceanography, Inc. Seattle, June.

1974 ***Food resources from the sea: in fact and fancy.*** Invited lecture, Conference on limits to Non-Growth, University of California, La Jolla, October.

1975 ***Coastal upwelling and cloud formation in southern California.*** 38th Ann. Mtg. of Limnology and Oceanography, Inc., Halifax, Nova Scotia, Canada. June.

1975 ***Daytime depths of sound scattering layers in major biogeographic regions of the Pacific Ocean.*** Invited Lecture, Office of Naval Research Conference on Biological Sound Scattering, Asimolar, California, September.

1976 ***A preliminary report on long term studies of phytoplankton biomass near the coast of southern California, 1920-1939*** . Invited Lecture, Departmental Seminar, Oregon State University, January.

1976 ***Short-period climatic fluctuations: effects on diatom biomass.*** Poster and Review Sessions presented at Joint Oceanographic Assembly, Edinburgh, Scotland, September, 13-24.

1977 ***Primary Productivity.*** American Institute of Fishery Biologists, Southwest Fisheries Center, La Jolla, California. November, 8.

1978 ***Climatic fluctuations: biological component.*** Invited Lecture, the Climatic Workshop, North Pacific Study Experiment, Portland, Oregon, February, 22.

1978 ***Cycles in the abundance of phytoplankton on the California coast.*** 13th European Marine Biology Symposium, Isle of Man, Great Britain. September, 28.

1979 ***Man and Sea: A case study in cultural ecology.*** Invited Lecture. Southwest Fisheries Center, La Jolla, California. March, 20.

1979 ***Climatic changes: effects on some marine and terrestrial populations.*** Symposium of CalCOFI Conference, Idyllwild, California. October, 22.

1980 ***The climatic regime of an upwelling region.*** Invited. IDOE International Symposium on Coastal Upwelling, Los Angeles, February, 4.

1982 ***Science and poetry of the sea.*** Invited. Distinguished Lecture Series, Institute for Continued Learning, University of California, San Diego, May, 7.

1983 ***Diatoms: Sea level, sea surface temperature and air temperature.*** San Diego state University, Geological Sciences Seminar, February, 18.

1984 ***The humanities and the sea.*** Invited lecture. University of California at Los Angeles. Los Angeles, CA. February.

1984 ***Time series analysis of diatom blooms and coastal upwelling events*** Invited. Climate Workshop.. Asimolar, California. March, 4.

1985 ***Climate variations in physical, chemical and biological properties along the coast of southern California.*** Climate Variability of the Eastern North Pacific and Western North America, Asimolar, Monterey, March, 5.

1985 ***Biological productivity and climate***. Special Invited Lecture National Science Foundation, Washington, D.C. October, 2.

1985 ***Changes in diatom species composition as related to environmental variables***. American Geophysical Union Meeting, San Francisco, December, 3.

1986 ***Oceanography: It's past and future***. Boğaziçi Üniversitesi, İstanbul, July.

1986 ***Bioclimatology***. Boğaziçi Üniversitesi, İstanbul, July.

1988 ***Food resources from the ocean: In fact and fancy***. Boğaziçi Üniversitesi, İstanbul.

1992 ***Çevre Teorileri***. Akdeniz Üniversitesi, Antalya., Aralık 27

1993 ***Nature and mankind***. Turkish-American Association, Ankara, March, 11.

1993 ***The Sea; It's Science and Poetry***. Turkish-American Association, Ankara, March,18.

1993 ***Doğa ve Deniz Sevgisi***. ODTÜ Sualtı Topluluğu,Ankara, Nisan,1.

1994 ***Environment, politics and developing countries***. Turkish-American Association, Ankara, February, 23.

1994 ***Deniz Tutkusu***. Bilkent Subaqua Society Seminar, Bilkent Üniversitesi, Ankara, May, 12

1994 **Ecology**. Colloquium in Chemistry, ODTÜ, Ankara, October, 20

1994 **Doğa ve İnsanlar**. Kırsal Çevre ve Ormancılık Sorunları Araştırma Derneği, Dendroloji ve Orman Ekolojisi Okulu, Ürgüp. Kasım, 26

1995 **Çevre ve Etik**. Dünya Çevre Haftası Etkinlikleri. TMMOB Makine Mühendisleri Odası, Antalya. Haziran, 5.

1995 **Ekolojik Düşler**, Gençlik Günleri, Çankaya Kültür ve Sanat Vakfı, Ankara, Kasım, 4

1995 **Doğa ve İnsan**. Dendroloji ve Orman Ekolojisi Okulu, Ankara, Aralık, 3.

1996 **This is Our World**, The Turco-British Ass., Ankara, March, 12.

1996 **Çomarin Hakkı Çomara**, ODTÜ Doğa Haftası, ODTÜ, Ekim, 17

1996 **Nature: Mother or Machine?** ODTÜ Department of Chemistry Seminars, Ankara, Kasım, 8.

1997 **Ekoloji**. Bilim ve Teknik Dergisi Hizmet İçi Eğitim Programı, TÜBİTAK, Mayıs, 29

1997 **Kültürde Toprak**. TMMOB Ziraat Mühendisleri Odası Toprak Yılı Etkinlikleri, ODTÜ, Haziran, 5

1997 **Teknolojik Gelişmeler, Çevre ve İnsan**. İzmir Büyükşehir Belediyesi Kültür Etkinlikleri, İzmir, Haziran, 7

1997 ***The Lure of the Sea***. (Invited) Coastal Aesthetics Summer School. Rhode Island, USA. August, 7

1997 ***Ekoloji ve Doğa Korumacılığı***. 4. Kuş Gözlem Okulu, Ankara, Kasım 1.

1997 ***Cultural Ecology of the Sea***. International Symposium on Art and the Environment. SONART.Ankara. Turkey, October, 20

1998 ***İnsan ve Ekolojik Düzen***. Radyo ODTÜ, Ay Işığında Agora Programı, Ankara, Mart, 19.

1998 ***Ekoloji***. ODTÜ Geliştirme Vakfı Özel Ankara Lisesi, Ankara, Nisan, 24

1998 ***Was Thoreau a Better Saunterer than Rousseau?*** 1998 Annual Gathering of the Thoreau Society. Concord, Mass. USA. Haziran, 11.

1999 ***Arının Yaptığını Siz Yapabilir misiniz? Ekolojide Son Yaklaşımlar***. ODTÜ, Fen-Edebiyat Fakültesi Konferanslar Dizisi, ODTÜ, Mart, 18.

1999 ***Bisiklet Üzerinde Bir Yaşam***. III.Doğa Şenliği, ODTÜ, Nisan, 15.

1999 ***Bisiklete Binme ve Tura Çıkma Sanatı***. III.Doğa Şenliği, ODTÜ, Nisan, 16

1999 ***Çevre Bilimlerinde Son Yaklaşımlar***.19 Mayıs Üniversitesi, Samsun, Mayıs,11



1999 ***The Perils of Teaching Interdisciplinary Courses***. Ecological Society of America. Spokane, Washington, USA. August, 8.

1999 ***Ekoloji ve Besin Zinciri***. Dođal Hayatı Koruma Derneđi-Milli Parklar ve Av-Yaban Hayatı Genel M¼d¼rl¼đ¼, Adana, Kasım, 4

2000 ***Deniz Tutkusu***, Dođa S¼y¼leřileri. ODT¼ Dođa Topluluđu. ODT¼, Mart, 30

2000 ***Çevrecilik ve Tarihsel Geliřimi***. T¼rkiye'de Çevrenin ve Çevre Korumanın Tarihi

Sempozyumu, T¼rkiye Ekonomik ve Toplumsal Tarih Vakfı, İstanbul. Nisan, 7

2000 ***Dođa Sevgisinin Sanatsal ve Bilimsel Kaynakları..*** Bođaziçi Üniversitesi, Çevre Kul¼b¼. İstanbul, Nisan, 19.

2000 ***Ekolojik İnsan***. Seminerler, 2000 Yılında İnsan. Radyo ODT¼, Ankara, Nisan, 17

2000 ***Çevre ve Ekoloji***. 2000'li Yıllarda Yařadığımız Çevre ve Peyzaj Mimarlığı, Ankara Üniversitesi Peyzaj Mimarlığı, Ankara, May, 24-26

2001 ***Sulak Bir Gezegenden Öyk¼ler***. ODT¼ Çevre Topluluđu, ODT¼, Mart, 23.

2001 ***Uçun Kuřlar Uçun!*** ODT¼ Kuř Gözlem řenliđi, ODT¼, Mayıs,3.

2001 ***Çevre ve Ekoloji***. Açılıř Konferansı. IV. Ulusal Ekoloji ve Çevre Kongresi, Bodrum, Ekim, 5

2001 **Çevre ve İnsan**. Kara Harp Okulu, Ankara, Aralık, 3

2002 **Ekoloji: Geçmiş ve Geleceği**. Mustafa Kemal Üniversitesi, Hatay, Nisan, 5.

2002 **Ekolojik Yaklaşımlar**. Hava Kuvvetleri, İzmir, Nisan, 10

2003 **Bilimden Sanata: Ekolojinin Huyu Suyu..** Irmak Okulları ve Doğal Hayatı Koruma Derneği, Çevre Şenliği. Göztepe, İstanbul, Nisan, 5

2003 **Çevre ve Ekoloji**. Bilim Şenliği, Anadolu Üniversitesi Ekim, 23

2004 **Deniz Tutkusu** Dünya Çevre Günü Etkinlikleri. Muğla Üniversitesi, Haziran, 4

2004 **Büyük Sular: Denizin Bilimi ve Sanatı**. Türkiye Bilimler Akademisi, Ankara, Mayıs, 20.