

EUROPEAN
CURRICULUM VITAE
FORMAT



PERSONAL INFORMATION

Name **PROF. DR. SEZGIN AYAN**

Role in the project

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Nationality T. R.

Date of birth 10.04.1970

WORK EXPERIENCE

- Dates (from – to) 2000-present
 - Name and address of employer Since 2007 Kastamonu University, Faculty of Forestry
2006-2007 Gazi University, Kastamonu Forestry Faculty
 - Type of business or sector Prof. Dr.
 - Occupation or position held Since 2000: Teaching and researching in Faculty of Forestry, Dep. of Forest Eng. Silviculture
Since 2011: Prof. Dr.
Between 2000 to 2006: Lecturer (Assist. Prof. Dr.)
Between 2006 to 2011: Lecturer (Assoc. Prof. Dr.)
Between 2003 to 2008: Head of Forest Engineer Department
Between 2004 to 2012: Vice Dean
Since 2001: Editor –in-Chief (Journal of Forestry Faculty)
Between 2007 to 2011: Coordinator of International Relation
Between 2007 to 2011: Head of International Projects Department
- Current Position Coordination, project planning and development activities in European Projects for the University

Head of Forest Engineering Department
Vice Rector of Kastamonu University

- Main activities and responsibilities

Teaching activities

B.Sc. program: Seed Technology and Seedling Propagation; Silviculture; Agroforestry;
M. Sc program: Seedling Production; Seed Orchard, Forest Tree Improvement, Seed
Technology; Planting in arid and semi-arid zones, Stand Structure, Conservation
Practice in Forestry

Research activities

Research focused on seed science (germination, dormancy, testing, etc.), seedling production,
and outplanting performance, seed orchard

Mobility Activity in Europe

10-16 April 2012: Visiting University of West Hungary, Faculty of Forestry in Sopron, Hungary
under the LLP/Erasmus Programme (**Teaching Staff Mobility**).

29 January-4 February 2012: Visiting **University of Beira Interior, Covilha, Portuga** under the
LLP/Erasmus Programme (**Staff Training Mobility Program**).

29 May-4 June 2011: Visiting Aristotle University of Thessaloniki, Faculty of Forestry and Natural
Environment in Thessaloniki, Greece, under the LLP/Erasmus Programme (**Teaching Staff**

Mobility).

- 6-13 June 2010: Visiting Transilvania University of Brasov, Faculty of Silviculture and Forest Engineering in Romania under the LLP/Erasmus Programme (**Staff Training Mobility Program**).
- 26 April-2 May 2010: Visiting Zvolen Technical University, Faculty of Forestry under the LLP / Erasmus Programme (**Teaching Staff Mobility**).
- 19-26 July, 2009: Visiting Majella National Park in Italy related to Pan PARKS Certification Process and Experiences (**Technical Trip**)
- 7-13 September 2009: Visiting Retezat National Park in Romania related to Pan Parks Certification Process and Experiences (**Technical Trip**)
- 30 June-10 July, 2008: Visiting Niedersächsische Landesforsten Forest Enterprise related to Close to nature forestry, Harvesting System, Forest Nurseries, Selhorn, Bisbingen, Soltau, Germany (**Technical Programme**)
- 17-21 September, 2008: Visiting Central Balkan National Park in Bulgaria related to Pan PARKS Certification Process and Experiences (**Technical Trip**)
- 6-13 March, 2013: Erasmus Program to Maribor University (**Academic Visit**)

Some Projects

- 1) Integration of the PAN Parks Practices in Europe to the Küre Mountains National Park (Leonardo da Vinci-VETPRO, since 2008) **as Project Coordinator – PAN PARKS CERTIFICATION**
- 2) **AS A FORESTRY EXPERT “BLACK SEA CONSERVATION AND FORESTRY NETWORK: TOWARDS LOCAL ACTION” AND MARKET-BASED MEASURES (2008) AS PROJECT CO-COORDINATOR AND FOREST EXPERT**
- **“FSC” CERTIFICATION SEMINAR**
- 3) LONG TERM DEVELOPMENT PLAN OF ILGAZ MOUNTAIN NATIONAL PARK (2007-2008)- FORESTRY EXPERT
- 4) LONG TERM DEVELOPMENT PLAN OF ULUDAG MOUNTAIN NATIONAL PARK (2008)- FORESTRY EXPERT
- 5) NATURE PARK MASTER PLAN OF GELINCİK MOUNTAIN (2008-2009)- FORESTRY EXPERT
- 6) LONG TERM DEVELOPMENT PLAN OF ARTABEL LAKES (2011))-FORESTRY EXPERT
- 7) MASTER PLAN OF SUGLA LAKE AND SURROUNDED (2010) – FORESTRY EXPERT
- 8) MASTER PLAN OF ALTINBEK CAVE NATIONAL PARK (2011) – FORESTRY EXPERT
- 9) YEİLIRMAK BASIN PROJECT (2013-..) – FORESTRY EXPERT

International Publications:

- AYAN, S., 2000.** “The Effects of Different Mediums on The Growth Of Oriental Spruce (*Picea orientalis* L.) Link.) Seedlings Produced in Enso-Pot Tubes” (Abstract), Forests and Society: The Role of Research ABSTRACTS OF GROUP DISCUSSIONS, vol. 2, Division 3, p.59, XXI. IUFRO World Congress, Kuala Lumpur, Malaysia.
- ULU, F., ÇETNER, ., EREN, N., **AYAN, S., 2002.** Results of the Field Stage in Third Year of Species and Provenances Trials of *Paulownia* Sieb.&Zucc. in Eastern Black Sea Region”, Proceedings IUFRO Meeting: Management Of Fast Growing Plantations, DIV. 4.04.06, p. 174-182, zmit.
- AYAN, S., SIVACIO LU, A., 2002.** Silvicultural Evaluations of Storm Damage of Fir (*Abies bornmülleriana* Mattf.) Stands in Ilgaz Mountains–Turkey” (Abstract), Symposium Ecological and Economic Benefits of Mountain Forests, Proceedings, p.38-39, Innsbruck-Austria.
- AYAN, S., SA LAM, ., SIVACIO LU, A., 2003.** *Paulownia* Sieb.&Zucc: A New Exotic Genus For Multi-Purpose Uses In Kastamonu–Turkey”, Decision Support For Multiple Purpose Forestry, A transdisciplinary conference on the development and application of decision support tools for forest management, University of Natural Resources and Applied Life Sciences, CD-Proceedings, Vienna-Austria.
- ÖLMEZ, Z., YÜKSEK, T., AYAN, S., 2004.** *Robinia pseudacacia* L. Plantation in Erosion Control Areas of Artvin Region, Turkey”, Agro-Environ 2004, Role of Multi-purpose Agriculture in Sustaining Global Environment, Proceedings, p.511-516, Udine-Italy.
- AYAN, S., EVK, H., BLR, N., 2005.** Grouping of Scots Pine (*Pinus sylvestris* L.) Seed Stand Populations in Western Blacksea Region of Turkey by Seedling Morphological Distance, Pak. Journal of Biological Sciences, 8 (11):1548–1552.
- AYAN, S., YAHYAO LU, Z., GERÇEK, V., AHN, A., 2005.** Utilization of Zeolite as a

- Substrates for Containerised Oriental Spruce (*Picea orientalis* L. (Link.)) Seedlings Propagation" (Abstract), International Symposium on Growing Media, p. 106, Angers-France.
- AYAN, S., TÜFEKÇİ LU, A., 2006.** Growth responses of Scots pine seedlings grown in peat-based media amended with natural zeolite", **Journal of Environmental Biology**, 27 (1):27-34.
- AYAN, S., SIVACIO LU, A., B.L.R. N., 2006** Growth Variation of *Paulownia* Sieb.&Zucc. Species and Origins at the Nursery Stage in Kastamonu-TURKEY, **Journal of Environmental Biology**, 27(3):499-504.
- B.L.R. N., PRESCHER, F. **AYAN, S., LINDGREN, D., 2006.** Growth Characters and Number of Strobili in Clonal Seed Orchards of *Pinus sylvestris*, **Euphytica**, 152 (2):293-301.
- AYAN, S., YAHYAO LU, Z., GERÇEK, V., AHİN, A., SIVACIO LU, A., 2006.** The Vegetative Propagation Possibilities by Soft Stem Cutting of Black Alder [*Alnus glutinosa* subsp. *barbata* (C. A. Mey.) Yalt.]" Pak. **Journal of Biological Sciences**, 9 (2):238-242.
- AYAN,S., SIVACIO LU, A. 2006.** Review of the Fast Growing Forest Tree Species in Turkey, **The Bulletin CIDEU**, 2: 57-71.
- AYAN,S., SIVACIO LU, A. 2007.** Experiences on the Fast Growing Forest Tree Species in Turkey (Abstract), **International Conference on Environment: Survival and Sustainability**, p. 77, 19-24 February, Nicosia-Northern Cyprus.
- AYAN, S., TLK, F., 2007.** Morphological Attributes of Oriental Spruce (*Picea orientalis* (L.) Link.) Seedlings Grown in Peat-Based Media Amended with Natural Zeolite, **Acta Agronomica Hungarica**, 55 (3) 363-373.
- SIVACIO LU, A., **AYAN, S., 2008.** Evaluation of seed production of scots pine (*Pinus sylvestris* L.) clonal seed orchard with cone analysis method, **African Journal of Biotechnology**, 7 (24), 4393-4399.
- AYAN, S. ÇELİK, H., 2009.** Effect of the Activation on Seed Germination of European Hophorbeam (*Ostrya carpinifolia* Scop.), **Forest, Wildlife and Wood Sciences for Society Development on Conference**, 6-18 April, Praha-ÇEK CUMHUR YET .
- AYAN, S., AKPINAR, N., ÖZTÜRK, S., BELKAYALI, S., EV K, H., KALAYCI, A., ACAR, S., BERBER, C., 2009.** The Evaluation of the Management Alternatives of Ilgaz Mountain National Park, International Conference on Plant & Environmental Pollution (ICPEP), p. 47, 6-11 July, 2009, Kayseri.
- SIVACIO LU, A., **AYAN, S., ÇELİK, D. A., 2009.** Clonal variation in growth, flowering and cone production in a seed orchard of Scots pine (*Pinus sylvestris* L.) in Turkey. **African Journal of Biotechnology**, 8 (17), 4084-4093.
- AYAN, S., EV K, H., ÖZTÜRK, S., KALAYCI, A., YER, E. N., ÇELER, E., 2009.** Anthropogenic Effects on The Uluda National Park Forest Eco-System, International Conference on Plant & Environmental Pollution (ICPEP), p. 49, 6-11 July, 2009, Kayseri.
- AYAN, S., Y T, N., ÇELİK, D. A., EV K, H., ÖZTÜRK, S., 2009.** The Woody Taxa in Different Endangered Category in Turkish Forestry and Conservation Practices, XIII. WORLD FOREST CONGRESS, **Buenos Aires-Argentina**.
- SIVACIO LU, A., **AYAN, S., 2010.** Variation in cone and seed characteristics in a clonal seed orchard of Anatolian black pine (*Pinus nigra* Arnold subsp. *pallasiana* (Lamb.) Holmboe), **Journal of Environmental Biology**, 31: 119-123.
- SIVACIO LU, A., **AYAN, S., ÇELİK, D. A., 2009.** Clonal variation in growth, flowering and cone production in a seed orchard of Scots pine (*Pinus sylvestris* L.) in Turkey. **African Journal of Biotechnology**, 8 (17), 4084-4093.
- Y T, N., **AYAN, S., EV K, H., 2010.** Genetic variation in Ta köprü-Tekçam Scots Pine (*Pinus sylvestris* L.) Clonal Seed Orchard According to Some Needles Characters, International Symposium on Biology of Rare and Endemic Plant Species, 26-29 May, 2010, Fethiye-Mugla/Turkey.
- EV K, H., **AYAN, S., Y T, N., 2010.** Genetic Variation in Hanönü (Kastamonu)-Günlüburun Anatolian Black Pine (*Pinus nigra* Arnold. subsp. *pallasiana* (Lamb.) Holmboe) Clonal Seed Orchard According to Some Needles Characters. International Symposium on Biology of Rare and Endemic Plant Species, 26-29 May, Fethiye-Mugla/Turkey.
- EV K, H., **AYAN, S., TURNA, ., YAHYAO LU, Z., 2010.** Genetic diversity among populations in Scotch pine (*Pinus silvestris* L.) seed stands of Western Black Sea Region in Turkey, **African Journal of Biotechnology** Vol. 9 (43), pp. 7266-7272.
- AYAN, S. BELKAYALI, N., UZUN, O., 2011.** Plan Decision Recommendations For Forest Habitat Planning And Landscape Management: "A Case Study In Turkey-Konya-Su İa Lake And Its Near Surrounding, Symposium on Ecosystem and Landscape-Level Approaches to Sustainability, 21-26 Mart 2011, Burgos- spanya.
- SARIYILDIZ, T., **AYAN, S., 2011.** Forest Management Practices Significantly Reduce the Attack Rate Of Bark Beetle *Ips typographus* on Oriental Spruce (*Picea orientalis* L.) Trees And Stands in Turkey, Symposium on Ecosystem and Landscape-Level Approaches to

- Sustainability, 21-26 Mart 2011, Burgos- spanya.
- ERTEK N, M., KIRDAR, E., **AYAN, S., 2011.** *Effects of tree ages, aspects and altitudes on some seed characteristics of Oriental beech (Fagus orientalis Lipsky.)* The 9th International Beech Symposium, Ecology and Silviculture of Beech, September 12-17, 2011, Dresden Technic University & IUFRO, Dresden-Göttingen, Germany.
- AYAN, S., BERBER, C., 2012.** Effect of Zeolite with Added Fertilizers on Flowering and Cone Production of Scots pine (*Pinus sylvestris* L.) Clonal Seed Orchard, Internation Forestry Conference on Forestry Science and Practices for the Purpose of Sustainable Development of Forestry – 20 Years of the Faculty of Forestry in Banja Luka, 1th-4th November, 2012, Banja Luka, Bosnai-Herzegovina.
- AK, A, YÜCEL, E., **AYAN, S., 2012.** Relationship between Seed Germination and Catalase Enzyme Activity of *Abies taxa* from Turkey, Kastamonu Univ., Journal of Forestry Faculty, 2012, Special Issue; 185-188
- AYAN, S., ACAR, S., YER, E. N., BULUT, A., 2012.** The Occurrence of Heart Rot on *Abies nordmanniana* subsp. *bommülleriana* Mattf. Trees in relation to Altitude, Kastamonu Univ., Journal of Forestry Faculty, 2012, Special Issue; 196-202.
- ÖZDEN, S., **AYAN, S., 2013.** Forest Crimes As A Threat To Sustainable Forest Management, ***International Conference, Forest certification and protection from illegal logging – International and Russia aspect, 13-15 Nov, 2013, St. Petersburg, Russia.***
- YÜCEL, E., **AYAN, S.** SIVACIO LU, A., **2013.** Evaluation of CITES and RTE (Rare, Threatened and Endemic) Species in the FSC (Forest Stewardship Council) Certification Projects in Turkey, ***International Conference, Forest certification and protection from illegal logging – International and Russia aspect, 13-15 Nov, 2013, St. Petersburg, Russia.***
- AYAN, S., ÇELER, E., 2013.** Effects of Leonardite On The Morphological Characteristics of Bare Rooted Scots Pine (*Pinus sylvestris* var. *hamata*) Seedlings, **International Conference 85-Th Anniversary of Forest Research Institute, at The Bulgarian Academy of Sciences, 1-2 October, 2013, Sofia-Bulgaria.**
- ACAR, S., **AYAN, S., BAN, B., 2014.** Morphological and taxonomic investigations on a local endemic species: *Allium ilgazense* N. Özhatay, **Australian Jornal of Crop Science.** (Accepted)

National Publications:

- AVANO LU, B., **AYAN, S., DEMRC O LU, N., SIVACIO LU, A., 2005.** The Evaluation of 2+0-year old Black pine (*Pinus nigra* Arnold. subsp. *pallasiana* (Lamb.) Holmboe.) seedlings produced in Kastamonu-Ta köprü Forest Nursery according to the norms of Turkish Standards Institution, **SIGMA: Journal of Engineering and Science, Yıldız Technical University, 2, 73-83, stanbul** (in Turkish with English Abstract).
- AYAN, S., 1998.** The Characteristics of Peat; and The Improvement Activities, **Directorate of Eastern Mediterranean Forestry Research Institute, DOA Journal**, Ministry of Forests Publication number: 076, DAO Publication number: 7, No.4, p. 131-150, ISSN 1300-8544, Tarsus (in Turkish with English Abstract)..
- AYAN, S., 1998.** The effects of slow release fertilizer on the production of containerized-Scotch Pine (*Pinus sylvestris* L.), **Journal of Forest Engineering, 35 (9), 25-28, Ankara** (in Turkish).
- AYAN, S., 2000.** Some investigations on the trasportation difficulties of Enso-type containerized seedlings to the planting area; and on the ways of handling these problems, **Journal of Forest Engineering, 37 (4) 22-25, Ankara** (in Turkish).
- AYAN, S., 2001.** The Contributions of Aggregate Cultures to the Production of Forest Tree Seedlings, **1st National Forestry Congress of Turkey**, p. 453-463, Ankara (in Turkish with English Abstract).
- AYAN, S., 2002.** Determining the site condition features of Containerised-Oriental Spruce (*Picea orientalis* (L.) Link.) seedlings; and setting the production Techniques, Ministry of Forests, the Institution of Eastern Black Sea Forestry Research, Ministry Publication number:179, Eastern Black Sea Forestry Studies (DKOA) Publication number: 14, **Technical Bulletin** Publication number: 11, Trabzon (in Turkish with English Summmry).
- AYAN, S., 2002.** The Usability of Zeolite as an Environment for Plantation, **5th Engineering Convention of GAP (Southern Anatolian Project) (Internationally-participated),**

- Proceedings, Vol. 2, p. 1580-1586, Urfa-Turkey (in Turkish with English Abstract).
- AYAN, S., 2002.** The Utilization of Zeolite Minerals in Seedling Plantation and in Afforestation Practices, **Journal of Faculty of Forestry of Gazi University**, 2 (1) 78-88, Kastamonu (in Turkish with English Abstract).
- AYAN, S., 2007.** Containerised Seedling Propagation, 7th Section (Editors: YAHYAO LU, Z. ve M. GENÇ; Seedling Standardization: Quality Seedling Propagation and Principals of Seedling Qualification Norms) Publication of Suleyman Demirel University, Pub. Nu: 75, p. 301-352, ISBN 978-9944-452-07-6, Isparta. (In Turkish)
- AYAN, S., BAHADIR, C., 1995.** Enso-pot Containerized Seedling Propagation and its comparison with the conventional methods of Seedling Production, **1st National Black Sea Forestry Congress**, Vol 4, p 126-133, Trabzon (in Turkish).
- AYAN, S., ÇELİK, D. A., 2009.** Bir Klonal Sarıçam (*Pinus sylvestris* L.) Tohum Bahçesinde Çiçeklenme Fenolojisi, K. Ü. Orman Fakültesi Dergisi, 9 (2) 106-123. (in Turkish with English Abstract).
- AYAN, S., FEYZO LU, F., DEMRC O LU, N., AKSU, V., 2005.** Growth Periods of Oriental Spruce seedlings (*Picea orientalis* Link.) in the Ecological Conditions of Trabzon-Of Forest Nursery. **Symposium on Spruce**, Vol. 1, p. 437-445, Trabzon (in Turkish with English Abstract).
- AYAN, S., HASANÇEB, ., GERÇEK, V., AHN, A., 1999.** The Evaluating the planting density of Alder Plantations of Central and Eastern Black Sea Regions, **Journal of Forest Engineering**, 36 (11) 4-8, Ankara (in Turkish).
- AYAN, S., KÜÇÜK, M., ÇETNER, ., ULU, F., YILMAZ, F., 2002.** Evaluation of the Performances of Several Natural Wood Species of Eastern Black Sea Region in Different Environs and Altitudes. **Journal of Education of Gazi University**, 10 (1) 187-194, Kastamonu (in Turkish with English Abstract).
- AYAN, S., KÜÇÜK, M., ULU, F., GERÇEK, V., AHN, A., SIVACIO LU, A., 2004.** The production possibilities of Several Natural Juniper species (*Juniper* L.) with the use of cuttings, **Journal of Forestry Faculty of Gazi University**, 4 (1) 1-12, Kastamonu (in Turkish with English Abstract).
- AYAN, S., MUTLU, Ç., KAYA, N., 2002.** Regeneration Objects in Subalpine zone in Kastamonu Region and Silvicultural Applications, **1st National Symposium of Turkey's Mountains**, p. 106-113, Kastamonu (in Turkish).
- AYAN, S., ÖZTÜRK, S., DEMRC O LU, N., 2009.** Karadeniz Bölgesi Milli Parklarının Korunan Alan A ı Sertifikasyon Sistemlerine Uygunlukları, K. Ü. Orman Fakültesi Dergisi, 9 (1) 66-79.
- AYAN, S., SIVACIO LU, ÖNER, N., DEMRC O LU, N., 2006.** Soil Amendments in The Arid And Semi-Arid Areas For Preserving The Plant Vigour, Türkiye'de Yarı Kurak Bölgelerde Yapılan A açlandırma ve Erozyon Kontrolü Uygulamalarının De erlendirilmesi Workshop, 7-10 Kasım 2006, Ürgüp-NEV EHR (with English Abstract)
- AYAN, S., TURNA, ., ACAR, C., 2000.** The effects of greenhouse and outdoor conditions on several morphological characteristics of Enso-type Scotch Pine (*Pinus sylvestris* L.) seedlings, **Journal of Eastern Anatolian Forestry Research Institute**, No.3, p. 64-76, Erzurum (in Turkish with English Abstract).
- AYAN, S., ULU, F., GERÇEK, V., ÖLMEZ, Z., 1998.** Of the Alluvial and Colluvial soils and of the Overflowing beds in Central and Eastern Black Sea Region, the most likely areas that are Suitable for Alder plantation, **Proceeding of Symposium on The Forest Ownership Problems in Eastern Black Sea Region**, p. 453-461, Trabzon (in Turkish).
- AYAN, S., ÇETNER, ., ULU, F., 2001.** Examining the Agriculture of Alder along with the Agriculture of Nut and Tea in Central and Eastern Black Sea Regions. **Journal of Forestry Faculty of Gazi University**, 1 (2) 269-280, Kastamonu (in Turkish with English Abstract).
- AYAN, S., GERÇEK, V., AHN, A., 2002.** The Performances of *Paulownia* Sieb. & Zucc. Species and Origins During the Nursery Stage, **Review of Forestry Faculty of Süleyman Demirel University**, Serial. A, 2 (1) 41-56, Isparta (in Turkish with English Abstract).
- BİLİR, N., AYAN, S., 2005.** Effectual Clone number in Oriental spruce (*Picea orientalis* Link.) Seed Orchards, **Symposium on Spruce**, Vol. 1, p. 457-464, Trabzon (in Turkish with English Abstract).
- ÇELİK, D. A., AYAN, S., 2009.** *Pinus sylvestris* L. Klonal Tohum Bahçesinde Çiçeklenme Varyasyonu, K. Ü. Orman Fakültesi Dergisi, 9 (1) 25-34. (in Turkish with English Abstract).
- ÇILGIN, ., AYAN, S., SIVACIO LU, A., KTÜEREN, ., 2007.** Cone and Seed Traits of Some Clones in Hanönü (Kastamonu)-Günlüburun Anatolian Black Pine (*Pinus nigra* Arnold. subsp. *pallasiana* (Lamb.) Holmboe) Seed Orchard, **Journal of Forestry Faculty of Kastamonu University**, 7 (2) 169-179 Kastamonu (in Turkish with English Abstract).
- DEMRC O LU, N., AYAN, S., 2004.** Growth Periods of Scotch Pine seedlings (*Pinus sylvestris* L.) in the Ecological Conditions of Kastamonu-Ta köprü Forest Nursery, **5th National Congress on Ecology and Environment**, Nature and Environment, p. 107-114, Bolu (in

- Turkish with English Abstract).
- DEMRC O LU, N., **AYAN, S.**, AVANO LU, B., SIVACIO LU, A., **2004.** The Evaluation of 2+0-year old Scotch pine (*Pinus sylvestris* L.) seedlings produced in Kastamonu-Ta köprü Forest Nursery according to the norms of Turkish Standards Institution, **Journal of Engineering, Faculty of Engineering, Pamukkale University**, 2 (10) 243-251, Denizli (in Turkish with English Abstract).
- ERTEKN, M., KIRDAR, E., **AYAN, S.**, **2009.** Bazı Büyüme Düzenleyicilerin Akdeniz Defnesi (*Laurus nobilis* L.) Fidanlarının Gelişimi Üzerine Etkileri, K. Ü. Orman Fakültesi Dergisi, 9 (2) 171-176.
- ERTEKN, M., KIRDAR, E., **AYAN, S.**, ÖZEL, H. B., **2009.** Bazı Büyüme Düzenleyicilerin Akdeniz Defnesi (*Laurus nobilis* L.) Fidanlarının Gelişimi Üzerine Etkileri, K. Ü. Orman Fakültesi Dergisi, 9 (2) 171-176. (in Turkish with English Abstract).
- FEYZO LU, F., **AYAN, S.**, **2002.** The Effects of Different Plant Growth Regulators on the Plantlet Development of Dogwood (*Cornus mas* L.), **Journal of Science Institution of Gazi University**, 15 (2) 533-556, Ankara (in Turkish with English Abstract).
- GERÇEK, V., **AYAN, S.**, AHN, A., AKSU, V., **2005.** The Vegetative Production facilities for Bearded-alder (*Alnus glutinosa* subsp. *barbata* L.), Ministry of Forests, the Institution of Eastern Black Sea Forestry Studies, Ministry of the Environment and Forests Publication number:179, Directorate of Eastern Black Sea Forestry Research, Publication number: 23, **Technical Bulletin** Publication number: 18, Trabzon (in Turkish with English Summary).
- GERÇEK, V., AHN, A., **AYAN, S.**, **2002.** The Effects of Different Hormone Concentrations on The Plantlet Development of *Sequoia Sempervirens* (Lamb.), **Journal of Education of Gazi University**, 10 (1) 173-180, Kastamonu (in Turkish with English Abstract).
- ÖNER, N., **AYAN, S.**, SIVACIO LU, A., MAL, B., **2006.** Definition of Aridity and The Methods For Determination of Arid-Semiarid Regions, Türkiye'de Yarı Kurak Bölgelerde Yapılan Aaçlandırma ve Erozyon Kontrolü Uygulamalarının Değerlendirilmesi Workshop, 7-10 Kasım 2006, Ürgüp-NEVŞEHİR (with English Abstract)
- ÖNER, N., **AYAN, S.**, SIVACIO LU, A., MAL, B., **2007.** **Urban Forestry and Environmentally Effects of Urban Forests**, Journal of Forestry Faculty of Kastamonu University, 7 (2) 190-203, Kastamonu (in Turkish with English Abstract).
- ÖZTÜRK, S., DEMRC O LU, N., **AYAN, S.**, **2004.** An ecological Approach for Open and Green Areas in The city of Kastamonu, **5th National Congress on Ecology and Environment**, p. 577-584, Bolu (in Turkish with English Abstract).
- AHN, H. A., **AYAN, S.**, **1999.** Evaluating the Field Performances of Enso-type containerised-Oriental spruce seedlings, **Symposium on Improve of Containerized Seedling Production and Tree Improvement Techniques in Turkey**, November 8-10, 1999, Marmaris (in Turkish).
- EVK, H., **AYAN, S.**, DEMRC O LU, N., SIVACIO LU, A., **2003.** The Evaluation of Bare-rooted and Broad-leaved Forest Tree Seedlings grown in Gökçöy Forest Nursery (province of Kastamonu) according to the norms of Turkish Standards Institution, **Journal of Forestry Faculty of Gazi University**, 3 (2) 233-245, Kastamonu (in Turkish with English Abstract).
- SIVACIO LU, A., **AYAN, S.**, **2008.** *Pinus nigra* J. F. var. *eneriana* (Saatçio lu) Yalt. (Ebe Karaçamı)'nın Yeni Bir Yayılış Alanı, K. Ü. Orman Fakültesi Dergisi, 8 (2) 97-102. (in Turkish with English Abstract)
- SIVACIO LU, A., **AYAN, S.**, ERGİN, Ö.F., ERTEKN, M., **2004.** Grafted-Seedling production of Pyramid-like Black Pine (*Pinus nigra* subsp. *pallasiana* var. *pyramidata*), **Journal of Forestry Faculty of Gazi University**, 4 (2) 232-242, Kastamonu (in Turkish with English Abstract).
- SIVACIO LU, A., **AYAN, S.**, GÜLEROL, B., **2007.** **The Effects of the Some Plant Growth Regulators on Morphological Traits of Scots Pine Seedlings**, Journal of Forestry Faculty of Kastamonu University, 7 (2) 155-168, Kastamonu (in Turkish with English Abstract).
- SIVACIO LU, A., **AYAN, S.**, ÖNER, N., ÇELİK, D. A., **2006.** Evaluation of Erosion and Afforestation Practices in Semiarid Tosya (Kastamonu) Region, Türkiye'de Yarı Kurak Bölgelerde Yapılan Aaçlandırma ve Erozyon Kontrolü Uygulamalarının Değerlendirilmesi Workshop, 7-10 Kasım 2006, Ürgüp-NEVŞEHİR (with English Abstract).
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EDUCATION AND TRAINING

- Dates (from – to) 1992-1999
- Name and type of organisation providing education and training Karadeniz Teknik University, Science and Technology Institute
Department of Forest Engineering (Silviculture and Aforestation)
Doctorate Programme
- Principal subjects/occupational skills covered professions gained in forest tree seedling propagation, tree improvement, rehabilitation of un-productive forest
- Title of qualification awarded Dr.
- Dates (from – to) 1989-1990
- Name and type of organisation providing education and training Karadeniz Teknik University, Faculty of Forestry, Department of Forest Engineering,
Post graduate program in Silviculture and Aforestation
- Principal subjects/occupational skills covered Academic and General English Course in Trabzon.
- Title of qualification awarded M. Sc. (1990)
- Dates (from – to) 1984-1988
- Name and type of organisation providing education and training Karadeniz Technical University
- Principal subjects/occupational skills covered Skills and professions gained in forest biology, ecology, environmental science, forest politics, economics, sociology, silviculture, communications and computing.

Diploma (1988)

**PERSONAL SKILLS
AND COMPETENCES**

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

**MOTHER TONGUE
OTHER LANGUAGES**

- Reading skills
- Writing skills
- Verbal skills

DRIVING LICENCE(S)

TURKISH

ENGLISH

Good
Good
Good

Car driving license cat B