

## ÖZGEÇMİŞ

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Derece	Alan	Üniversite	Yıl
Lisans	Meteoroloji (Atmosfer Bilimleri)	İstanbul Teknik Üniversitesi	1975
Y. Lisans	Meteoroloji (Atmosfer Bilimleri)	İstanbul Teknik Üniversitesi	1981
Doktora	Meteoroloji (Atmosfer Bilimleri)	İstanbul Teknik Üniversitesi	1987

### 5. Akademik Ünvanlar:

Yardımcı Doçent Meteoroloji Müh. (Atmos. Bil.)	İstanbul Teknik Üniversitesi	1988
Doçent Meteoroloji Müh. (Atmos. Bil.)	İstanbul Teknik Üniversitesi	1988
Profesör Orman Müh. (Havza Yönetimi)	Kafkas Üniversitesi	1994

### 6. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 6.1 Yüksek Lisans Tezleri

Abdüllatif, M. L. (1993): "Analysis of Momentum, Heat and Moisture Fluxes in Gökçeada", İTÜ Science Institution, M.Sc. Thesis, Istanbul, (as advisor).

Sen, E., (1996): "Modelling and Analysis of Thermal Potential", İTÜ Science Institution, M.Sc. Thesis, Istanbul, (as advisor).

Turksoy, F., (1993-1997): "Wind Energy Potential in Turkey ", İTÜ Science Institution, Ph.D. Thesis, (as advisor).

#### 6.2 Doktora Tezleri

Okcu, D., (1993-1999): "Vegetation Classification and Thermic Potential Variation in Turkey by Using Satellite Data", İTÜ Science Institution, Ph.D. Thesis, (as advisor).

Bakkour, Kamal M. J., (2003): "Numerical Forecasting and Simulation of Radiation Fog and Thunderstorms", Ph.D Thesis, Director: Dr. Ahmed El-Sayed Yousef, Cairo University, Faculty of Science, Egypt, (as a jury member).

Duran Şahin, Öztopal, A., (2000-2004): "Wind Energy Analysis and Modelling", Ph.D. Thesis, İTÜ, Science Institution, Advisor: Prof. Dr. Zekai Şen, (as the member of advisory board of thesis).

Öztopal, A., (2000-2006): "Approximation of Kalman Filters for Meteorological Data Evaluated by Remote Sensing Techniques", Ph.D. Thesis, İTÜ, Science Institution, Advisor: Prof. Dr. Zekai Şen, (as the member of advisory board of thesis).

### **Devam Eden Jüri Üyelikleri :**

İTÜ Fen Bilimleri Enstitüsü iki doktora tezi izleme komitesi üyeliği.

## **7. Yayınlar**

### **7.1. Uluslararası hakemli dergilerde yayınlanan makaleler**

1. Aslan, Z., (1988): "Glider Measurements and Modeling of Thermals", The Technical Soaring, Vol. 12, No. 1, p. 19-21, USA.
2. Gori, E., C. Rafanelli, Z. Aslan, (1988): "Variations in Raindrop Size Distribution Measured at Rome", Il Nuovo Cimento, Vol. II, C.N. 5-6, p. 679-692, Italy.
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5. Aslan, Z., K. Natarajan and M. Tankut, (1994): "Vegetation pattern of Istanbul from The Landsat data and The Relationship with Meteorological parameters", Annales Geophysicae, Vol. 12, p. 574-584.
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## **7.2. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler**

1. Aslan, Z. and I. Gültepe, (1991): "A Comparison of Precipitation Rate Values Estimated from Measurements and 1D- Cloud Model", EGS, XVI General Assembly, p. 143, Wiesbaden.
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5. Aslan, Z., N. Krishnaier and A. B. Orun, (1993): "Analysis of Meteosat Cloud Motion Wind Vectors at Istanbul ", 25th. International Remote Sensing and Global Environmental Change Symposium, ERIM p. 62, April 4-8, Graz.
6. Aslan, Z., S. Öney and F. Türksoy, (1993): "Thermic Potential for Soaring at İnönü", XXIIIrd. OSTIV Congress p. 2.4.1, June 17-24, Borlange, Sweden .
7. Natarajan, K. and Z. Aslan, (1993): "Satellite Evaluation of the Impact of Wind Shear and Water Vapour on Convective Clouds, XXIIIrd. OSTIV Congress, p. 2.1.2, June 17-24, Borlange, Sweden.
8. Karaca, M., Ç. Nihat and Z. Aslan, (1993): "A Case Study for Wind Shear Effects for Soaring", XXIII rd. OSTIV Congress, p. 2.2.1, June 17-24, Borlange, Sweden.
9. Natarajan, K., and Z. Aslan, (1993): "Spatial Variation of Surface Fluxes and Thermodynamic Discontinuities in Relation to NDVI Using LANDSAT Data", First Eurasian Symposium on Space Science and Tech. October, p. 25-27, TÜBITAK, Gebze.
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27. Aslan, Z., (1999): "Modeling of Environmental and Climatic Problems: Prediction of Wind and Water Erosion", The Fourth International Congress on Industrial and Applied Mathematics (ICIAM99), MSP 243, Mini Symposium of Teaching and Research of Certain Topics in Industrial Mathematics in Afro-Asian Countries, p. 161, 5-9 July, Edinburgh.
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32. Aslan, Z., and A. Tokgozlu, (2000): "Climatological Changing Effects on Rainfall Erosivity and Wind Erosion", 2 nd. Int. Symposium. On New Tech. For Environmental Monitoring and Agro-Applications", 18-20 Oct. 2000, Tekirdag, p.265-273.
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51. Sogut, S., Okcu, D., Sunar Erbek, F., Maktav, D., and Aslan, Z., (2003):” Remote Sensing Analysis of Climatological Changing Effects on Coastal Vegetation”, for the First International Conference Studying Land Use Effects in Coastal Zones with the Remote Sensing and GIS, p.405-413, 13-16 August 2003, Kemer / Antalya, Turkey.
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71. D. Okçu, A. S. Söğüt, Z. Aslan, Anaysis of Standard Temperature Indexes with Wavelet Techniques, IWW2007, 7-9 June, Istanbul, Turkey.
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3. M. Altunç, S. Tolun, Z. Aslan ve A. Tokgözlü: "KKTC Rüzgar Enerji Potansiyeli Analizi III, 2005-2008.

4. Aslan, Z., (Mayıs 2008-Mayıs 2011): "ICTP Office of External Activities: Visiting Scholars / Consultants to Institutes in Developing Countries Program for Mathematics the Subject Classification Number: 42C40 (Wavelets)".

5. Kodal, H. S., Siddiqi, A. H., Aslan, Z., vd. (2008-2010): "Beyin Elektrosu Verilerine Dayalı olarak Epilepsi Hastalığının Wavlet Yöntemi ile Analizi", KOU Araştırma Fonu BAP Projesi.

### **Tezleri:**

1. "Statistical Analysis of Temperatures in Erzurum and Sivas ", İTÜ, 1975, (B.Sc. Thesis, Advisor: Lecturer Kenan Sarioglu), (in Turkish).

2. "Stability Analysis of Convective Clouds by Using Schowalter and S. Doege Indexes", İTÜ, 1981, (M.Sc. Thesis, Adviser: Prof. Dr. M. DALMAZ), (in Turkish).

3. "Measurements and Analysis of Some Meteorological Parameters and Modelling of Thermic and Cumulus Clouds", 1987 (Ph.D. Thesis, Adviser: Prof. Dr. Süreyya Öney), (in Turkish).

## 9. İdari Görevler

Meteoroloji Lab. ve Göz. Parkı

Sorumlusu	İst. Teknik Üniversitesi	1988-1993
Dekan Yardımcısı	Kafkas Üniversitesi	1994-1997
Rektör Yardımcısı	Beykent Üniversitesi	1997-2004
FBE Müdürü (V.)	Beykent Üniversitesi	2003-2004
FEF Dekanı	Beykent Üniversitesi	2003-2004
AB Merkez Md. Yard.	İstanbul Ticaret Üniversitesi	2004-2005
Md. Yard.	ABMYO	2005-2007
Bil. Tek. Prog. Bşk.	ABMYO	2005-2007
Rektör Yardımcısı	İstanbul Aydın Üniversitesi	2007-2008
Müdür	Beykoz Lojistik Meslek Yüksek Okulu	2008-2009

## 10. Bilimsel Kuruluşlara Üyelikler

OSTIV, Wessling	ALMANYA	Bireysel Üye	1984-
The New York Academy of Sciences	(USA)	Aktif Üye	1995-1996
ICTP (The Abdus Salam Int. Centre for Theoretical Physics)	ITALYA	Asosye Üye	1995-2000
Doğal Hayatı Koruma Derneği	TÜRKİYE	Üye	1995-
TMMOB Meteoroloji Müh. Odası	TÜRKİYE	Üye	1976-
Third World Organisation for Women in Science (TWOWS)	ITALYA	Üye	1998-
TEMA			1998-
Member of the Planetary Society,			1999-2001
Honorary Appointment to the Professional Women's Advisory board of the American Biographical Institute (ABI),	USA	Üye	1999-2005

## 11. Ödüller, Burslar

1971 - 1975	Grant of Governmental Water Management Organisation, for B.S Program.
1984	ICTP support for attending to the Summer School on "Troposphere, Stratosphere and Mesosphere".
1985	ICTP Support for attending to the Workshop on "First Cloud Physics".
1986	Nato Grant to attend to the Summer School on "Air - Sea Interaction".

- 1986-1987 (8 months), ICTP Grant for Training in the Italian Laboratories for attending to National Project on "Raindrop Size Distribution and Precipitation in Rome".
- 1988 Support of İTÜ Research Foundation to attend to the XXth. OSTIV Congress held in Vienna. (One of three encouraging plaques was presented to Turkey for our Co-operative paper).
- 1989 ICTP support for attending to the Workshop on "Third Cloud Physics and Atmospheric Radiation".
- 1992 EGS Young Scientist Travel Award, for attending to present a paper for 15th. EGS Hydrology Session held in Edinburgh.
- 1993 İTÜ Research Foundation and Turkish Scientific and Research Council (TÜBİTAK) Supports for attending to present a paper for the XXIII. OSTIV Congress held in Borlange, (Sweden).
- 1994 ICTP support for attending to the Workshop on "Remote Sensing".
- 1994 Support of Scientific Committee on Oceanic Research (SQR) for attending to present a paper for the Congress on "Air-Sea Interaction" held in Lisbon with a paper.
- 1994-2000 Associate Membership of ICTP (regular member), Trieste, Italy.
- 1995 Support of ICTP attend to workshop and research activities under the Associate-ship Scheme of ICTP in Trieste.
- 1996 Support of ICTP to attend to workshop and research activities under the Associate-ship Scheme of ICTP in Trieste.
- 1997 Support of ICTP to attend to workshop and research activities under the Associate-ship Scheme of ICTP in Trieste.
- 1998 Support of ICTP to attend to workshop and research activities under the Associate-ship Scheme of ICTP in Trieste.
- 2000 Support of ICTP to attend to workshop and research activities under the Associate-ship Scheme of ICTP in Trieste.
- 2003 ICTP invitation to give two lectures at the "Soil Physics College" in Trieste between 11-22 March, 2003.
- 2006 ICTP invitation under TRIL Program for participating research activity, August-September.



## 12. Son iki yılda verdiği lisans ve lisansüstü düzeydeki dersler

Akademik Yıl	Dönem	Dersin Kodu ve Adı	Haftalık Saati			Öğrenci Sayısı
			Ders	Uyg.	Lab.	
BLMYO 2008-2009	Bahar yy.	<b>Matematik (İşletme Programı)</b>	2+2	0	0	25+25=50
İAÜ 2009-2010	Kış yy.	<b>Calculus I (Electric and Electronic Engineering)</b>	4	2	0	25+30=55
İAÜ 2009-2010	Kış yy.	<b>Probability and Statistics (Dept. of Computer Engineering)</b>	2	2	0	25
İAÜ 2009-2010	Bahar yy.	<b>Calculus II (Dept. of Electric and Electronic)</b>	4	2	0	25+30=55
İAÜ 2009-2010	Bahar yy.	<b>Linear Algebra (Dept. of Computer Eng.)</b>	3	3	0	25+30=55

### 2006 Yılından Önce Verdiği Dersler:

#### İTÜ Undergraduate Program, Faculty of Aeronautics and Astronautics, Department of Meteorology, (1979-1989):

1. Laboratories of "Synoptic Meteorology I and II" and "Meteorological Instrumentation and Observation".
2. Home Assignment and Application Support of the Following Lectures: Physical Meteorology, Statistical Meteorology, Agricultural and Forest Meteorology, Data Processing in Meteorology, Physics of Upper Atmosphere, Numerical Analysis.

#### İTÜ Undergraduate Program, Faculty of Aeronautics and Astronautics, Department of Meteorology, (1989-1994):

1. Physical Meteorology I
2. Physical Meteorology II
3. Introduction to Atmospheric Convection
4. Marine Meteorology

5. Data Processing in Meteorology

**İTÜ Graduate Program, Faculty of Aeronautics and Astronautics, Department of Meteorology, (1984-1994):**

1. Atmospheric Convection (English)
2. Cloud Physics
3. Air - Sea Interaction Processes (English)
4. Advanced Data Processing in Meteorology

**Boğaziçi University (BU), Kandilli Observatory Research Institute, Geophysics Graduate Program (1992-1993):**

1. Data Processes in Meteorology (English)
2. Meteorological Instrumentation (English)

**Kafkas University (KAÜ), Faculty of Forestry, Undergraduate Program (1994-1996):**

1. Mathematics
2. Computer Programming
3. Meteorology and Climatology

**Beşkent University (BU), Faculty of Science and Letters, Department of Mathematics and Computing (Applied Mathematics) and Faculty of Architecture (1999-2004):**

1. Linear Algebra, (English)
2. Probability and Statistics, (English)
3. Applied Statistics, (English)
4. Basic Mathematics, (English)
5. Advance Processes in Probability and Statistics (FMC602)(3+0) FBE.

**İstanbul Technical University (İTÜ), Faculty of Aeronautics and Astronautics, Department of Meteorology, (2001-2002):**

Data Process, (in English)

**International Centre for Theoretical Physics (ICTP), Trieste-Italy,**

Erosion, Mart 2003, College of Soil Physics

**Bogazici University (BU), Kandilli Observatory Lab.**

Seminars on Project Applications, (01-03-2004 - continued)

**Istanbul Commerce University (ITICU), Faculty of Engineering and Design (2004-2005)**

1. Mathematics I
2. Mathematics II

**Anadolu BİL MYO (2005-2006)**

Matematik I ve II, Sunum Teknikleri, Sayısal Yöntemler (İngilizce),

**İstanbul Aydın Üniversitesi (2006-2008)**

Akademik Yıl	Dönem	Dersin Kodu ve Adı	Haftalık Saati			Öğrenci Sayısı
			Ders	Uyg.	Lab.	
2006-2007	Kış yy.	<b>Matematik (Bilgisayar Tek. Ve Programlama Programı)</b>	3	0	0	25+25=50
		<b>Sunum Teknikleri (bilgisayar Tek. Ve Prog. Prog.)</b>	2+2	0	0	25+25=50
		<b>Mathematics (İşletme İngilizce Programı)</b>	2	0	0	25
2006-2007	Bahar yy.	<b>Matematik (Bilgisayar Tek. Ve Programlama Programı)</b>	3+3	0	0	25+25=50
		<b>Quantitative Methods (Business)</b>	2+2	0	0	30+30=60
2006-2007	Yaz Okulu	<b>Matematik</b>	6	0	0	40
		<b>Quantitative Methods</b>	6	0	0	40

### **13. Diğer Deneyimleri**

#### **İş Deneyimi**

1976-1979, (Meteorological Engineer and Forecaster), National Meteorological Organisation ,Atatürk - Airport, Istanbul .

1988-1994, (Assistant Researcher), İTÜ, Department of Meteorology.

1992-1994, (Associate Professor), Co-operative Project together with the "Group of Atmospheric Physics" in The Turkish Scientific and Research Council (TÜBİTAK), Marmara Research Centre.

1992-1993, (Assoc. Professor, Teaching Member), Bosphorous University , Science Institution.

1994-1997, (Professor, Vice Dean, Teaching Member), Kafkas University , Department of Forestry, Artvin ( Turkey ).

1997-2004, (Vice Rector, Teaching Member), Beykent University , Istanbul , Turkey

2001-2004, (Director, Institution of Science), Beykent University , İstanbul, Turkey .

2002- (Spring semester), (Professor, Part Time Teaching Member), İTÜ Faculty of Aeronautics and Astronautics, Department of Meteorology, İstanbul, Turkey .

2003-2004: Beykent University, Dean of Faculty of sciences and Letters

2004 –2005: (Professor, Vice Dircetor EU Center) Istanbul Commerce University

2005 –2007: (Professor, Vice Director) ABMYO ( Turkey )

2007 –2008: (Professor), Istanbul Aydın University , Faculty of Engineering and Architecture,(Turkey)

2007 - 2008: (Vice Rector), İstanbul Aydın University

2008-2009: (Director), Beykoz Logistics School of Higher Education

2009-continued: (Teaching Member) Istanbul Aydın University, Faculty of Engineering and Architecture.

### **Profesyonel Kurslar, Bilimsel Etkinlikler, Deneyimler:**

(October - December, 1978): Course of Aeronautical Meteorology, National Meteorological Organisation (D.M.I), Ankara.

(August - September, 1984): Summer School on Troposphere, Stratosphere and Mesosphere, ICTP, Trieste, Italy.

(November - December, 1985): Workshop on Cloud Physics, ICTP, Trieste, Italy.

(June - August, 1986): Summer School on Air - Sea Interaction, UW, Department of Atmospheric Science, Seattle, USA .

(August - December, 1986): National Project on Precipitation and Raindrop Size Distribution, C.N.R., Institution of Atmospheric Physics, Roma , Italy .

(August - December, 1987): National Project on Precipitation and Raindrop Size Distribution, C.N.R., Institution of Atmospheric Physics, Roma, Italy.

(1989): Third Workshop on Cloud Physics and Atmospheric Radiation, ICTP, Trieste , Italy .

(February - March, 1994): Workshop on the Study of Atmospheric Interactions by Remote Sensing, ICTP, Trieste, Italy .

(September - October, 1995): Workshop on Materials Science and Physics of Non-Conventional Energy Sources, ICTP, Trieste , Italy .

(September - October, 1995): Summer Course on Soil Physics, ICTP, Trieste, Italy.

(October, 1995): Workshop on Mediterranean Sea-Circulation, Strait Exchange and Dense Water Formation Processes (Dedicated to A. Michelato), ICTP, Trieste, Italy.

(July - August, 1996): Workshop on El-Nino, Southern Oscillation and Monsoon, ICTP, Trieste, Italy

(July-August, 1997): Adriatico Research Conference: 'The Dynamics of Complexity', ICTP, Trieste, Italy

(July-August, 1998): Extended Research Workshop on Disorder, Chaos and Interaction in Mesoscopic Systems, ICTP, Trieste, Italy .

(6-22 September, 2000): School on Mathematical Problems in Image Processing, ICTP – SMR 1237, Trieste, Italy .

(25 September – 6 October, 2000): 5th Workshop on Three - Dimensional Modelling Of Seismic Waves Generation. Propagation and Their Inversion, ICTP - SMR1241, Trieste, Italy.

(26-29 September, 2000): Conference On Non-linear Phenomena In Global Climate Dynamics ICTP - SMR1246, Trieste, Italy.

(2-14 October, 2000): Earth Systems Sciences Course in Watersheds and Coastal Zone Simulation”, ICTP – SMR1206, Trieste, Italy .

(11-22 March, 2003): ICTP invitation to give two lectures at the “Soil Physics College”, Trieste. August-September, 2006): ICTP invitation under TRIL Program for participating research activity and workshop on “Regional Modelling”, Trieste, Italy.

### **Kurul Üyelikleri**

(1997 - 2004): Beykent University Executive Committee Member.

(1997 - 2004): Beykent University, University Senate Member.

(1997 - 2004): Beykent University, Faculty of Science, Executive Committee Member.

(1997 - 2004): Beykent University, Faculty of Science, Academic Committee Member.

(2002-2004): Beykent University, Erasmus Institutional Coordinator,

(2004 –2005), Istanbul Commerce University, Faculty of Engineering and Design, Executive Committee Member,

(2004- 2005), Istanbul Commerce University, European Union Applied Research Centre, (Executive Committee Member),

(2004-2005), Istanbul Commerce University, Erasmus Institutional Coordinator

(2005 - 2006): Anadobu BIL Profesional School of Higher Education, Executive Committee Member.

(2005-2008): ABMYO - İstanbul Aydın University, EU and Int. Relation Office Coordinator

(2005-2008): ABMYO – İAÜ, Institutional ECTS Coordinator

(2007-2008):İstanbul Aydın Univresity, Executive Committee Member of Faculty of Engineering and Architecture

(2007 - 2008): İstanbul Aydın University, Executive Committee Member, Senate Member.

(2008-2009): Beykoz Lojistik School of Higher Education, Executive Committee Member, Academic Board Member.

(2010-cont.): Istanbul Aydın University, Committee of Training and Research.

**Bilimsel Aktiviteler, Komite Üyelikleri:**

1. Coordinator of the Second International Symposium of AGROENVIRON2000, 18-20 October, 2000, Tekirdag, Turkey.
2. International Steering Committee Member of EVALUATIONARY COMPUTING FOR COMPUTER, COMMUNICATION, CONTROL and POWER (ECCAP-2000), January 3 rd - 7th , 2000, Chennai, India.
3. Co-chair and Organizing Committee Member of The 3 rd International Symposium on Sustainable Agro-environmental Systems: New Technologies and Applications, 26-29 October, 2002, Cairo-Egypt.
4. Scientific Committee Member of First (1993), Second (1997), Third (2000), Fourth (2002)and Fifth (UTES ) National Clean Energy symposiums.
5. “Fourth International Symposium on Agro Environ 2004: Role of Multi-purpose Agriculture in Sustaining Global Environment”, 20-24 October 2004, Udine, Italy, Coordinator of South and North America and Europe.
6. “IWWW2005: International Workshop on Applications of Wavelets to Real World Problems”, 17-18 July, 2005, Scientific Committee Member and General Secretary, ITICU, Istanbul.
7. UTES2006 Symposium (İAÜ, Istanbul); Organizing Committee Member,
8. AGROENVIRON2006 (Gent University, Belgium); Organizing Committee Member,
9. WAVLET2006 (Istanbul): Co-Chair,
10. AGROENVIRON2008 (Ankara University, Ankara), Organizing Committee Member,
11. Member of International Advisory Committee, Thirteenth Annual Conference and First International Conference of GAMS and Symposium on Mathematical Modeling in Engineering and Biosciences, January 10-13 2008, Anand Eng. Agra, India.

12. Scientific Committee Member, IV. National (with international contribution) Atmospheric Sciences Symposium, ATMOS'2008, Istanbul.

13. WAVLET2008 (İAÜ, Istanbul): Co-Chair, 28-30 May, 2008.

14. Member of Editorial Board, Indian Journal of Industrial and Applied Mathematics, Biannual Journal of ISIAM, ANAMAYA Publishers, ISSN: 0973-4317, January 2008-continued.

15. Chair; Scientific Section of OSTIV (Organisations of Scientifique et Technique Internationale du Vol a Voile), January 2009- continued,

16. Associate Editor, Technical Soaring: The Scientific, Technical and Operational Journal of the OSTIV, ISSN: 0744-8996, January 2009-continued.

17. IWW2009, (KOU, Kocaeli), Co-Chair,

18. WAVLET2010 (Istanbul Aydın University): Co-Chair, 7-8 June, 2010 (continued).

19. Member of Editorial Board, The Journal of Science Institution, Istanbul Commerce University, (2009-continued).





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