

CURRICULUM VITAE

1. **Name, Surname** : Kıvanç BAŞARAN
2. **Date of Birth** : 02.12.1978
3. **Title** : Asst. Prof. Dr
4. **Educational Status:**

Derece	Alan	Üniversite	Yıl
Undergraduate	Electric Education	Gazi Üniversitesi	2001
Graduate	Electronics and Communication Engineering	Süleyman Demirel Üniversitesi	2006
Doctoral	Solar Energy Institute	Ege Üniversitesi	2013

5. Academic Titles and Date of Appointments

10/2015 - Asst. Prof. Dr. Manisa Celal Bayar University – Energy Systems Engineering Department

02/2013 - Asst. Prof. Dr. Adnan Menderes University – Technology of Alternative Energy Programme

6. Graduate Theses Supervised

6.1 Master Theses

6.1.1. Fırat Temel, Thesis Subject: “The Effect of Kyoto Protocol on Wind Power Plant”, Ege University, Solar Energy Institute, (Second Thesis Advisor, Continue)

6.1.2. İlayda Koç, Thesis Subject: “Performance Evaluation, Optimization and Economic Analysis of Photovoltaic Thermal Power System”, Manisa Celal Bayar University, Hasan Ferdi Turgutlu Technology Faculty, (Continue).

7. Publications

7.1 Papers published in the refereed international journals (SCI & SSCI & Arts and Humanities)

7.1.1. **Kivanc Basaran**, Numan Sabit Cetin, Selim Borekci, “Energy Management for on-grid and off-grid Wind/PV and Battery Hybrid Systems”, IET Renewable Power Generation, Vol.11, Issue.5, pp.642-649, 2017.

7.1.2. **Kivanc Basaran**, “Error sources and measurement uncertainties in outdoor testing of BIPV modules”, Turkish Journal of Electrical Engineering & Computer Sciences, Vol.25, Issue.3, pp.1840-1851, 2017.

7.2. Papers published in other refereed international journals

7.2.1. **Kivanc Basaran**, “Energy Yield Estimation, Installation and Monitoring of 3-Phase Grid Connected PV System”, Celal Bayar University Journal of Science, Vol.12, Issue.3, pp.393-398, 2016.

7.3 Papers presented at international conferences and published in the proceedings

- 7.3.1.** Asghar Sabati, **Kivanc Basaran**, Ramazan Bayindir, Sanjeevikumar Padmanaban, Pierluigi Siano, Zbigniew Leonowicz, "Investigating the effects of selecting different slack bus on power systems", Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Europe), pp.1-6, Milan, Italy, 6-9 June 2017.
- 7.3.2.** **Kivanc Basaran**, Numan Sabit Cetin, "Designing of a Fuzzy Controller for Grid Connected Photovoltaic System's Converter and Comparing with PI Controller", 5th International Conference on Renewable Energy Research and Applications, pp.102-106, Birmingham, UK, 20-23 November, 2016.
- 7.3.3.** MABVUTO MWANZA, **KIVANC BASARAN**, NUMAN S CETIN, KOLAY ULGEN, "COMPARATIVE PERFORMANCE ANALYSIS OF PV TECHNOLOGIES FOR APPLICATION IN GRID CONNECTED PV SYSTEMS IN EASTERN PROVINCE OF ZAMBIA", International Conference on Advanced Technology & Sciences, Konya, Turkey, 09-12 May 2016.
- 7.3.4.** Çetin, N. S., "Electrical Power Production of ADU Faculty of Medicine From Wind-Photovoltaic Hybrid Power System and Environmental Influences", 2nd International Symposium on Environment and Morality, pp. 861-870, 2014, Adıyaman, Türkiye.
- 7.3.5.** **Başaran, K.**, Çetin, N. S., "Grid Tie Photovoltaic System", 6th International Ege Energy Symposium & Exhibition, Proceedings, pp. 626 - 638, 2012, İzmir, Turkey
- 7.3.6.** **BAŞARAN, K.**, ÇETİN Numan S., " Yenilenebilir Enerji Teknolojilerinde Tekniker Yetiştirme Programı", 2. Uluslararası 6. Ulusal Meslek Yüksekokulları Sempozyumu, 25-27 Mayıs 2011, Aydın.
- 7.3.7.** **Başaran, K.**, Çetin, N. S., Çelik, H., "Wind-Solar Hybrid Power System Design and Implementation" 6th International Advanced Technologies Symposium, Proceedings, pp. 114 – 119, 2011, Elazığ, Türkiye.
- 7.3.8.** Çelik, H., Çetin, N. S., **Başaran, K.**, "Capacity Factor in Wind Turbines and TurbineClass Relationship" 6th International Advanced Technologies Symposium, Proceedings, pp. 131 – 136, 2011, Elazığ, Türkiye.

7.4 Papers published in the refereed national journals

- 7.4.1.** Çetin, N. S., Başaran, K., "Alternative Proposal for Vocational Schools: Renewable Energy Technology Program", Soma Vocational School Technical Sciences Journal, Volume.1 Issue.17, pp. 27-40, 2012.

7.5 Papers presented at national conferences and published in the proceedings

- 7.5.1.** **Başaran K.**, Börekçi S., 150 kW Şebeke Bağlantılı Çatı Kurulumlu Fotovoltaik Sistem Fizibilitesi, 2. Güneş Enerjisi Sempozyumu, Sözlü, 01.11.2013.

7.5.2. BAŞARAN, K., ÇETİN Numan S., “Sağlık Merkezi İçin Yenilenebilir Çevre Dostu Rüzgar Enerjisi”, VI. Yeni ve Yenilenebilir Enerji Kaynakları Sempozyumu, s.93-102, 21-22 Ekim 2011, Kayseri.

7.5.3. ÇETİN Numan S., Başaran, K., “Adnan Menderes Üniversitesi Yerleşkesinin Rüzgar Elektrik Potansiyelinin Belirlenmesi” VIII. Ulusal Temiz Enerji Sempozyumu, s.167-174, 1-5 Aralık 2010, Bursa.

7.6. Other publications

7.6.1. Master Thesis

- Başaran, K., “Latch Optimization with Fuzzy Logic”, Advisor: Yrd.Doç.Dr. Ali Manzak, Süleyman Demirel University, Electronics and Communication Engineering, Isparta, 2006.

7.6.2. PhD Thesis

- Başaran, K., “Optimization of Fuzzy Logic Controlled Autonomous and Grid Connected Wind-PV Hybrid Power System and Application in Adnan Menderes University's Campus”, Advisor: Assit.Prof.Dr. Numan Sabit Çetin, Ege University, Solar Energy Institute, İzmir, 2013.

8. Projects

- Roof Installed Photovoltaic Power Plant with 500 kW Power, TARIŞ İncir Birliği, **Project Consultant**, Project Budget: 1.375.000 TL+KDV., Project Start Date: July 2015, Project End Date: January 2016.
- Energy is Sun, Turgutlu Chamber of Commerce and Industry, **Project Consultant**, Project Budget: 313.068 TL. Project Start Date: 04/2014, Project End Date: 05/2015.
- Wind-Solar Hybrid Power System Design and Application, Manisa Celal Bayar University, Coordinatorship of scientific research projects, 2013-084, **Researcher**, Project Budget: 19.957 TL., Project Start Date: 04.09.2013, Project End Date: 04.09.2014.
- 150 kW Roof Installed Grid Connected Photovoltaic System, Algür Dairy Products, **Project Consultant**, Project Budget: 190000+KDV Euro, Project Start Date: 10.06.2013, Project End Date: 01.01.2014.
- 500kW Wind Turbine Installation Project on Adnan Menderes Campus Area, Adnan Menderes University, **Commission Chair**, 2010, Adnan Menderes University, Aydın.
- Curriculum of Renewable Energy Technologies, Adnan Menderes University Söke Vocational School, **Commission Membership**, 2010, Söke, Aydın.

9. Administration Roles

- Department Deputy Chairman (Manisa Celal Bayar University, Automotive Engineering), 17.03.2016 - Continue
- Co-Head of Department (Manisa Celal Bayar University, Energy Systems Engineering), 15.06.2016 - Continue
- Head of Department (Adnan Menderes Üniversty, Electricity and Automation program), 02/2013.

- Department Deputy Chairman (Adnan Menderes Üniversty, Electricity and Automation program),09/2009-02/2013
- Head of Department (Süleyman Demirel Üniversity, Electric Program), 01/2002-01/2005

10. Undergraduate and graduate courses given in the last two years

Akademic Year	Semester	Course Title	Weekly Hours		Number of Students
			Theoretical	Application	
2016-2017 (Undergraduate)	Fall	Electrical Circuits II (NÖ)	3	1	55
		Electrical Circuits II (İÖ)	3	1	55
2016-2017 (Undergraduate)	Spring	Electrical Circuits I (NÖ)	3	0	50
		Electrical Circuits I (İÖ)	3	0	50
2016-2017 (Undergraduate)	Fall	Electronic Circuits (NÖ)	3	1	55
		Electronic Circuits (İÖ)	3	1	55
2016-2017 (Undergraduate)	Fall	Electromechanical Energy Conversion (NÖ)	3	0	27
2016-2017 (Undergraduate)	Fall	Electrical Circuits (NÖ)	3	1	27
2016-2017 (Graduate)	Fall	Solar Energy Technologies	3	0	1
2016-2017 (Graduate)	Spring	Yenilikçilik ve Proje Yönetimi	3	0	1
2017-2018 (Undergraduate)	Fall	Electrical Circuits II (NÖ)	3	1	55
		Electrical Circuits II (İÖ)	3	1	55
2017-2018 (Undergraduate)	Fall	Alternative Energy Sources (NÖ)	3	0	20
		Alternative Energy Sources (İÖ)	3	0	20
2017-2018 (Undergraduate)	Fall	Digital Design (NÖ)	3	1	84
		Digital Design (İÖ)	3	1	60
2017-2018 (Graduate)	Fall	Solar Energy Technologies	3	0	3