

## Dr. Öğr. Üyesi PELİN ÇİRİŞ

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: A-2796-2016

ScopusID: 23102174000

Yoksis Araştırmacı ID: 196624

### Eğitim Bilgileri

Post Doktora, Harvard University, Harvard Medical School, Brigham And Women's Hospital, Radiology, Amerika Birleşik Devletleri 2013 - 2015

Post Doktora, Yale University, School Of Medicine, Diagnostic Radiology, Amerika Birleşik Devletleri 2012 - 2013

Doktora, Yale University, School Of Engineering And Applied Science, Biomedical Engineering, Amerika Birleşik Devletleri 2008 - 2012

Yüksek Lisans-Tezsiz, Yale University, School Of Engineering & Applied Science, Engineering And Applied Science, Amerika Birleşik Devletleri 2008 - 2010

Yüksek Lisans, Johns Hopkins University, School Of Engineering, Biomedical Engineering, Amerika Birleşik Devletleri 1998 - 2000

Lisans, Purdue University, School Of Electrical And Computer Engineering, Electrical Engineering, Amerika Birleşik Devletleri 1994 - 1998

### Yabancı Diller

Almanca, A1 Başlangıç

İngilizce, C1 İleri

### Yaptığı Tezler

Doktora, Whole-Brain Non-Invasive Absolute Cerebral Blood Volume Quantification During Functional Activation In Humans: Characterizing the Absolute Cerebral Blood Flow And Volume Relationship, Yale University, School Of Engineering And Applied Science, Biomedical Engineering, 2012

Yüksek Lisans, Multiple FOV MR Fluoroscopy, Johns Hopkins University, School Of Engineering, Biomedical Engineering, 2000

### Araştırma Alanları

Tıp, Sağlık Bilimleri, Dahili Tıp Bilimleri, Radyodiagnostik, Biyomedikal Mühendisliği, Biyomedikal Görüntü İşleme, Fizik, Disiplinlerarası Fizik ve İlgili Bilim ve Teknoloji Alanları, Biyolojik ve tıbbi fizik, Temel Bilimler, Mühendislik ve Teknoloji

## Akademik Unvanlar / Görevler

Dr. Öğr. Üyesi, Akdeniz Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2018 - Devam Ediyor  
Yrd. Doç. Dr., Akdeniz Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2013 - 2018

## Akademik İdari Deneyim

Akdeniz Üniversitesi, Bilim Ve Teknoloji Uygulama Ve Araştırma Merkezi, 2020 - Devam Ediyor  
Akdeniz Üniversitesi, Biyomedikal Teknolojiler Uygulama Ve Araştırma Merkezi, 2018 - Devam Ediyor  
Akdeniz Üniversitesi, Biyomedikal Mühendisliği, 2016 - Devam Ediyor  
Akdeniz Üniversitesi, Biyomedikal Mühendisliği, 2014 - 2020  
Akdeniz Üniversitesi, Biyomedikal Mühendisliği, 2014 - 2016

## Jüri Üyelikleri

Akademik Kadroya Atama-Yardımcı Doçentlik, Aday değerlendirme, Akdeniz Üniversitesi Biyomedikal Mühendisliği Bölümü, Nisan, 2016

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Information theoretic evaluation of Lorentzian, Gaussian, Voigt, and symmetric alpha-stable models of reversible transverse relaxation in cervical cancer in vivo at 3 T**  
ÇİRİŞ P.  
Magnetic Resonance Materials in Physics, Biology and Medicine, cilt.36, sa.1, ss.119-133, 2023 (SCI-Expanded)
- II. **Accelerated Segmented Diffusion-Weighted Prostate Imaging for Higher Resolution, Higher Geometric Fidelity, and Multi-b Perfusion Estimation.**  
Aksit Ciris P., Chiou J. G., Glazer D. I., Chao T., Tempany-Afdhal C. M., Madore B., Maier S. E.  
Investigative radiology, cilt.54, ss.238-246, 2019 (SCI-Expanded)
- III. **Image Registration to Compensate for EPI Distortion in Patients with Brain Tumors: An Evaluation of Tract-Specific Effects**  
Albi A., Meola A., Zhang F., Kahali P., Rigolo L., Tax C. M. W., Ciris P., Essayed W. I., Unadkat P., Norton I., et al.  
JOURNAL OF NEUROIMAGING, cilt.28, sa.2, ss.173-182, 2018 (SCI-Expanded)
- IV. **Dual-Pathway Sequences for MR Thermometry: When and Where to Use Them**  
Ciris P., Cheng C., Mei C., Panych L. P., Madore B.  
MAGNETIC RESONANCE IN MEDICINE, cilt.77, sa.3, ss.1193-1200, 2017 (SCI-Expanded)
- V. **Automated white matter fiber tract identification in patients with brain tumors**  
O'Donnell L. J., Suter Y., Rigolo L., Kahali P., Zhang F., Norton I., Albi A., Olubiyi O., Meola A., Essayed W. I., et al.  
NEUROIMAGE-CLINICAL, cilt.13, ss.138-153, 2017 (SCI-Expanded)
- VI. **Characterizing gradient echo signal decays in gynecologic cancers at 3T using a Gaussian augmentation of the monoexponential (GAME) model**  
ÇİRİŞ P., Balasubramanian M., Damato A. L., SEETHAMRAJU R. T., Tempany-Afdhal C. M., Mulkern R. V., Viswanathan A. N.  
JOURNAL OF MAGNETIC RESONANCE IMAGING, cilt.44, sa.4, ss.1020-1030, 2016 (SCI-Expanded)
- VII. **Characterization of gradient echo signal decays in healthy and cancerous prostate at 3T improves with a Gaussian augmentation of the mono-exponential (GAME) model**  
Ciris P., Balasubramanian M., SEETHAMRAJU R. T., Tokuda J., Scalera J., Penzkofer T., Fennessy F. M., Tempany-Afdhal C. M., Tuncali K., Mulkern R. V.  
NMR IN BIOMEDICINE, cilt.29, sa.7, ss.999-1009, 2016 (SCI-Expanded)

- VIII. **Noninvasive MRI Measurement of the Absolute Cerebral Blood Volume-Cerebral Blood Flow Relationship During Visual Stimulation in Healthy Humans**  
Ciris P, Qiu M, Constable R. T.  
MAGNETIC RESONANCE IN MEDICINE, cilt.72, sa.3, ss.864-875, 2014 (SCI-Expanded)
- IX. **Non-Invasive Quantification of Absolute Cerebral Blood Volume During Functional Activation Applicable to the Whole Human Brain**  
Ciris P, Qiu M, Constable R. T.  
MAGNETIC RESONANCE IN MEDICINE, cilt.71, sa.2, ss.580-590, 2014 (SCI-Expanded)
- X. **Navigated DENSE strain imaging for post-radiofrequency ablation lesion assessment in the swine left atria**  
Schmidt E. J., Fung M. M., Ciris P., Song T., Shankaranarayanan A., Holmvang G., Gupta S. N., Chaput M., Levine R. A., Ruskin J., et al.  
EUROPACE, cilt.16, sa.1, ss.133-141, 2014 (SCI-Expanded)
- XI. **O-Space Imaging: Highly Efficient Parallel Imaging Using Second-Order Nonlinear Fields as Encoding Gradients With No Phase Encoding**  
Stockmann J. P., Ciris P., Galiana G., Tam L., Constable R. T.  
MAGNETIC RESONANCE IN MEDICINE, cilt.64, sa.2, ss.447-456, 2010 (SCI-Expanded)
- XII. **Evaluation of Diffuse Myocardial Fibrosis in Heart Failure With Cardiac Magnetic Resonance Contrast-Enhanced T-1 Mapping**  
Iles L., Pfluger H., Phrommintikul A., Cherayath J., Aksit P., Gupta S. N., Kaye D. M., Taylor A. J.  
JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, cilt.52, sa.19, ss.1574-1580, 2008 (SCI-Expanded)
- XIII. **Cardiac magnetic resonance myocardial strain assessment by Displacement Encoding with Stimulated Echo (DENSE): A comparative study with myocardial tagging**  
Tzemos N., Aksit P., Gupta S., Schmidt E., Mallett O., Jerosch-Herold M., Kwong R.  
EUROPEAN HEART JOURNAL, cilt.29, ss.118, 2008 (SCI-Expanded)
- XIV. **Tracking planar orientations of active MRI needles**  
Sathyanarayana S., Aksit P., Arepally A., Karmarkar P. V., Solaiyappan M., Atalar E.  
JOURNAL OF MAGNETIC RESONANCE IMAGING, cilt.26, sa.2, ss.386-391, 2007 (SCI-Expanded)
- XV. **Deconvolution-interpolation gridding (DING): Accurate reconstruction for arbitrary k-space trajectories**  
Gabr R. E., Aksit P., Bottomley P. A., Youssef A. M., Kadah Y. M.  
MAGNETIC RESONANCE IN MEDICINE, cilt.56, sa.6, ss.1182-1191, 2006 (SCI-Expanded)
- XVI. **Multiple field of view MR fluoroscopy**  
Aksit P., Derbyshire J., Serfaty J., Atalar E.  
MAGNETIC RESONANCE IN MEDICINE, cilt.47, sa.1, ss.53-60, 2002 (SCI-Expanded)
- XVII. **Toward MR-guided coronary interventions**  
Serfaty J., Yang X., Aksit P., Solaiyappan M., Atalar E.  
RADIOLOGY, cilt.217, ss.422, 2000 (SCI-Expanded)
- XVIII. **MRI-guided coronary artery intervention**  
Serfaty J., Yang X., Quick H., Aksit P., Atalar E.  
CIRCULATION, cilt.102, sa.18, ss.510, 2000 (SCI-Expanded)
- XIX. **Toward MRI-guided coronary catheterization: Visualization of guiding, catheters, guidewires, and anatomy in real time**  
Serfaty J., Yang X., Aksit P., Quick H., Solaiyappan M., Atalar E.  
JOURNAL OF MAGNETIC RESONANCE IMAGING, cilt.12, sa.2, ss.590-594, 2000 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Organ-Specific Recommendations for Increasing Temperature- To-Noise Ratio of Magnetic Resonance Thermometry Using Dual-Pathway Sequences at 1.5T, 3T, and 7T during Guidance of**

## Thermal Therapies

ÇİRİŞ P.

Akdeniz Tıp Dergisi, cilt.6, sa.2, ss.209-218, 2020 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

### I. Acquisition Methods: MRI and fMRI Optimizations and Applications

ÇİRİŞ P., Constable R. T.

Brain Mapping: An Encyclopedic Reference,, Toga A., Editör, Elsevier Science, Oxford/Amsterdam , San Diego, Ca, ss.183-190, 2015

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

### I. Three-point method for fast and robust field mapping for EPI geometric distortion correction

Aksit P., Derbyshire J. A., Prince J. L.

4th IEEE International Symposium on Biomedical Imaging, Darlington, Birleşik Krallık, 12 - 15 Nisan 2007, ss.141-143

## Desteklenen Projeler

ÇİRİŞ P., Diğer Uluslararası Fon Programları, Assessing validity of MRI T2\* hypoxia measurement in cervical cancer, 2014 - 2015

## Bilimsel Dergilerdeki Faaliyetler

JOURNAL OF MAGNETIC RESONANCE IMAGING, Editör, 2015 - Devam Ediyor

## Metrikler

Yayın: 22

Atıf (WoS): 802

Atıf (Scopus): 803

H-İndeks (WoS): 7

H-İndeks (Scopus): 8

## Kongre ve Sempozyum Katılımı Faaliyetleri

Seventh National Image Guided Therapy Workshop, Oturum Başkanı, Massachusetts, Amerika Birleşik Devletleri, 2014

## Burslar

Image Guided Therapy Fellowship, Üniversite, 2013 - Devam Ediyor

Neuroimaging Sciences Training Fellowship, Üniversite, 2012 - Devam Ediyor

Yurtdisi Lisans ve Yüksek Lisans (istenirse Doktora), Milli Eğitim Bakanlığı, 1994 - Devam Ediyor

Lisans, Üniversite, 1993 - Devam Ediyor

## Ödüller

ÇİRİŞ P., Magna Cum Laude Award (Gynecological cancers), International Society for Magnetic Resonance in Medicine, Haziran 2015

ÇİRİŞ P., Magna Cum Laude Award (Prostate cancer), International Society for Magnetic Resonance in Medicine, Haziran 2015

ÇİRİŞ P., PhD Candidacy Awarded With Distinction, Yale University, Şubat 2012

ÇİRİŞ P., Travel Grant for Top 25 Papers, IEEE, International Symposium on Biomedical Imaging, Haziran 2007

ÇİRİŞ P., Melvin Judkins Young Investigator Award, American Heart Association, Haziran 2007

ÇİRİŞ P., Academic Honors and Dean's Lists, Purdue University, Mayıs 1998