

## CURRICULUM VITAE

**1. Name Surname** :PINAR YILDIRIM

**2. Date of Birth** :30. 06. 1967

**3. Title** : DOÇENT DR.

**4. Education** :

Degree	Department	University	Year
Bachelor	Electronics and Communication Engineering	Yıldız Technical University	1989
Master	Medical Informatics	Akdeniz University	1995
Ph.D.	Medical Informatics	Middle East Technical University	2011

### 5. Academic Titles:

Title	Discipline	University	Year
Assistant Professor	Computer Engineering	İstanbul Okan Üniversitesi	2011
Associate Professor	Computer Engineering	İstanbul Okan Üniversitesi	2018

### 6. Supervised Master and Ph.D. Thesis

#### 6.1. Title of Master Thesis

1. Muhammed Said Ünlü, “Teknik analiz ve derin pekiştirmeli öğrenme ile kriptopara alım-satımı”, İstanbul Okan Üniversitesi, 2019.
2. Levent Yıldız, “Nesnelerin interneti ve uçtan uca bağlı ev (akıllı) sistemi tasarımı”, İstanbul Okan Üniversitesi, 2019.
3. Alkan Kaya, “Sağlıkla ilgili sosyal medya forum verilerinde içeriğinin bilgilendirici özellikleri: ilaç yan etkilerinin araştırması üzerine bir çalışma”, İstanbul Okan Üniversitesi, 2018.
4. Erhan Tahminciler “Erythromycin ilacının yan etkilerinin araştırılması üzerine veri madenciliği çalışması”, İstanbul Okan Üniversitesi, 2014.
5. Melih Keskin, “Spor ve yaşam merkezleri üzerine veri madenciliği çalışması”, İstanbul Okan Üniversitesi, 2013.

## 7. Publications

### 7.1. International Refereed Journal Publications

1. Zvonimir Bosnic, **Pınar Yıldırım**, František Babič, Ines Šahinović, Thomas Wittlinger, Ivo Martinović and Ljiljana Trtica Majnaric, Clustering Inflammatory Markers with Sociodemographic and Clinical Characteristics of Patients with Diabetes Type 2 Can Support Family Physicians' Clinical Reasoning by Reducing Patients' Complexity, *Healthcare* 2021, 9, 1687. <https://doi.org/10.3390/healthcare9121687>.
2. **P.Yıldırım**, L.T.Majnaric, Z.Bosnic, N. Volaric, Complexity and Non-Linearity of Cardiovascular Risk Factors in Older Patients With Multimorbidity and Reduced Renal Function, *Journal of Integrative Cardiology Open Access* , | ISSN 2674-2489, 10 April, 2020, Volume 3(2): 11-11, (doi: 10.31487/j.JICOA.2020.02.04).
3. **P. Yıldırım**, L. T. Majnarić , M. Plass, A. Holzinger, On the Prediction of Early Stages of Chronic Renal Impairment, *International Journal of Latest Engineering and Management Research (IJLEMR)*, Vol. 02 - Issue 03, March 2017, 51-61.
4. L.T. Majnarić, **P. Yıldırım**, A. Holzinger, Discovery of characteristics of patients with increased level of inflammation, *Medicinal chemistry*, 2015, 5:12, DOI: 10.4172/2161-0444.1000310.
5. **P.Yıldırım**, Filter based feature selection methods for prediction of risks in hepatitis disease, *International Journal of Machine Learning and Computing*, Vol. 5, No. 4, 258-263, August 2015, indexed by Engineering & Technology Digital Library, Google Scholar, Crossref, ProQuest, Electronic Journals Library, DOAJ and EI (INSPEC, IET).

### Science Citation Index Expanded Journals

1. Zvonimir Bosnic, **Pınar Yıldırım**, František Babič, Ines Šahinović, Thomas Wittlinger, Ivo Martinović and Ljiljana Trtica Majnaric, Clustering Inflammatory Markers with Sociodemographic and Clinical Characteristics of Patients with Diabetes Type 2 Can Support Family Physicians' Clinical Reasoning by Reducing Patients' Complexity, *Healthcare* 2021, 9, 1687. <https://doi.org/10.3390/healthcare9121687>.
2. **P.Yıldırım**, Association patterns in open data to explore ciprofloxacin adverse events, *Applied Clinical Informatics*, 2015, 6(4): 728-747(DOI: 10.4338/ACI-2015-06-RA-0076)
3. **P.Yıldırım**, Ljiljana Majnaric, Ozgur Ilyas Ekmekci, Andreas Holzinger, Knowledge discovery of drug data on the example of adverse reaction prediction, *BMC Bioinformatics* 2014, 15(Suppl 6), S7, Pages:1-11(DOI: 10.1186/1471-2105-15-S6-S7)

4. **P. Yıldırım**, Ç. Çeken, R. Hassanpour, S. Eşmelioglu, M. R. Tolun, Mining MEDLINE for the treatment of osteoporosis, *Journal of Medical Systems*, Volume 36, Issue 4, Page:2339-2347, Aug 2012.(DOI: 10.1007/s10916-011-9701-6)
5. **P. Yıldırım**, Ç. Çeken, R. Hassanpour, M. R. Tolun, Prediction of similarities among Rheumatic Diseases, *Journal of Medical Systems*, Volume: 36, Issue: 3, Pages: 1485-1490 Jun 2012(DOI: 10.1007/s10916-010-9609-6)
6. **P. Yıldırım**, K.Çeken, O.Saka, Knowledge discovery for the treatment of bacteria affecting liver, *Turkish Journal of Medical Sciences*, Volume: 41, Issue: 5, Pages: 867-875, Oct 2011.(DOI: 10.3906/sag-1008-1087)

## 7.2. International Conference Presentations & Proceedings

1. Can Yıldırım, Pınar Yıldırım, Pattern classification with unbalanced and multi-class data, 3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), December 15-17, 2021, Ankara, Turkey.
2. **P.Yıldırım**, A.Kaya, Clustering of Phentermine HCL Drug from Online Patient Medication Reviews, International Workshop on Web Search and Data Mining in conjunction with The 10th International Conference on Ambient Systems, Networks and Technologies (ANT 2019), 29 April-2 May 2019, Leuven, Belgium, *Procedia Computer Science* (2019) vol.151, pp. 1146-1151 DOI information: 10.1016/j.procs.2019.04.163.
3. **P.Yıldırım**, Classification with Incomplete Data and Ensemble Learners for the Prediction of Cervical Cancer Risk, ICIST'18 Intelligent Science and Technology, 29 June-2 July 2018, London, UK, *International Conference Proceedings Series by ACM* (ISBN: 978-1-4503-6461-4), Thomson Reuters Conference Proceedings Citation Index.
4. **P.Yıldırım**, Chronic Kidney Disease Prediction on Imbalanced Data by Multilayer Perceptron, *MediComp 2017: The 4th IEEE International COMPSAC Workshop on Medical Computing*, 4-8 July Torino, Italy.
5. **P.Yıldırım**, Pattern classification with imbalanced and multiclass data for the prediction of albendazole adverse event outcomes, *The International Workshop on Data Mining for Decision Support (DMDMS 2016)*, Elsevier *Procedia Computer Science*, Volume 83 Pages 1013 – 1018, Madrid, Spain, 23-26 May 2016.
6. **P.Yıldırım**, L.Majnarić. O.I.Ekmekci, A.Holzinger, On the prediction of clusters for adverse reactions and allergies on antibiotics for children to improve biomedical decision making, *CD-ARES 2013*, University of Regensburg, Germany, *Lecture Notes in Computer Science (LNCS)* 8127, Page. 431–445, 2-6 September, Springer Verlag Berlin Heidelberg (DOI: 10.1007/978-3-642-40511-2\_31).
7. **P.Yıldırım**, O.I.Ekmekci, A.Holzinger, On knowledge discovery in open medical data on the example of the FDA drug adverse event reporting system for alendronate (fosamax),

SouthCHI' 13, Maribor, Sloveina, Lecture Notes in Computer Science(LNCS) 7947 Page 195-206, 1-3 July 2013, Springer Verlag Berlin Heidelberg.

8. Holzinger,K-M. Simonic, **P. Yıldırım**, Disease-disease relationships for rheumatic diseases, Compsac2012, IEEE 36th International Conference on Computer Software and Applications, 16-20 July 2012, Izmir, Turkey, indexed through INSPEC and EI Index and IEEE digital library.(DOI: 10.1109/COMPSAC.2012.77).
9. **P. Yıldırım**, Ç. Çeken, Literature mining for the diagnostic procedures of osteoporosis, USAB2011 Information Quality in eHealth, 25-26 Nov 2011, Graz, Austria, Lecture Notes in Computer Science(LNCS) 7058 Page 43-51, 2011, Springer-Verlag Berlin Heidelberg (DOI:10.1007/978-3-642-25364-5\_5).
10. **P.Yıldırım**, K. Çeken, O. Saka, Discovering similarities for the treatments of liver specific parasites, FedCSIS 2011,Szczecin, Poland, 18-21 September 2011, Proceedings of the Federated Conference on Computer Science and Information Systems, ISBN 978-83-60810-93-2, Page 165-168 (IEEE Xplore).
11. **P. Yıldırım**, Ç. Çeken, K. Çeken, M. R. Tolun, Cluster analysis for vasculitis diseases, Second International Conference Networked Digital Technologies 2010, Prague, Czech Republic, July 7-9, 2010, Part II, Communications in Computer and Information Science (CCIS) Series of Springer LNCS, 88, Page 36-45, Springer-Verlag Berlin Heidelberg (DOI:0.1007/978-3-642-14306-9\_5).
12. **P. Yıldırım**, Ç. Çeken, O. Saka, Disease drug relationships for vasculitis diseases, 5<sup>th</sup> International Symposium on Health Informatics and Bioinformatics, HIBIT'10, April 20-22, 2010, Antalya, Turkey ( IEEE Xplore) Page 218.
13. **P. Yıldırım**, A. J. J. Yepes, O. Saka, D. Rebholz Schuhmann, Knowledge discovery in biomedical texts, Biyomedikal Metinlerde Bilgi Keşfi, TURKMIA' 09 Proceedings, Antalya, Turkey, VI. Ulusal Tıp Bilişimi Kongresi Bildirileri, 12-15 November 2009, ENMI (European Notes in Medical Informatics) Vol V, No 1, 2009, ISSN 1861-3179, Page 323.
14. **P. Yıldırım**, M. R. Tolun, Induction for radiology patients, e-health 08, City University, London, UK, 8-9 September 2008, Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Vol 0001, ISSN 1867-8211, Springer Berlin Heidelberg, Page 208-220 (DOI:10.1007/978-3-642-00413-1\_30).
15. **P. Yıldırım**, A. Bakır, S. Birinci, Web based teleradiology in Hacettepe University Hospitals in Turkey, In Proceedings of 12th International Symposium for Health Information Management Research, Sheffield, UK,18-20 July 2007, Page 109-118.

### 7.3. International Books / Chapters of Books

1. **P. Yildirim**, M. Bloice, and A. Holzinger, Knowledge discovery and visualization of clusters for erythromycin related adverse events in the FDA Drug Adverse Event Reporting System, Interactive Knowledge Discovery and Data Mining in Biomedical

Informatics, State-of-the-Art and Future Challenges, LNCS 8401, pp. 101–116, 2014 Springer-Verlag Berlin Heidelberg(DOI:10.1007/978-3-662-43968-5\_6).

2. A. Holzinger, **P. Yıldırım**, M. Geier, K-M Simoncic, Quality-based knowledge discovery from medical text on the Web, Quality issues in the management of web information, Springer Berlin Heidelberg, pp.145-158, 2013(DOI: 10.1007/978-3-642-37688-7\_7).

#### 7.4. National Refereed Journal Publications

#### 7.5. National Conference Presentations & Proceedings

1. P.Yıldırım, K.Ceken, Discovery of the similarities for parasites, 14. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS 2020), İstanbul Okan University, 7-9 October 2020, İstanbul, Turkey, IEEE Xplorer.
2. L.Yıldız, **P.Yıldırım**, Nesnelerin interneti ve büyük veriye dayalı bağlı-akilli ev sistemi, International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018) 22-23 November 2018 Ankara / Turkey, sayfa:1000.
3. M.S.Ünlü, **P.Yıldırım**, Girişimcilik için çizge tabanlı metim madenciliği, 8.Uluslararası girişimcilik Kongresi, Balıkesir, ICE 2017, 14-16 Temmuz 2017, sayfa:170-180.
4. E.Tahminciler, **P. Yıldırım**, Erythromycin ilacının yan etkilerinin araştırılması için web'deki hasta yorumlarının analizi, 15. Uluslar arası Katılımlı Ulusal Biyoistatistik Kongresi, Adnan Menderes Üniversitesi, Aydın, 20-23 Ağustos 2013, Bildiri Özetleri Kitabı, sayfa: 59.
5. M.Keskin, **P. Yıldırım**, Spor ve yaşam merkezlerinde veri madenciliği çalışması, 15. Uluslar arası Katılımlı Ulusal Biyoistatistik Kongresi, Adnan Menderes Üniversitesi, Aydın, 20-23 Ağustos 2013, Bildiri Özetleri Kitabı, sayfa: 46.
6. **P.Yıldırım**, A. Holzinger, Sağlık alanında veri görselleştirme, Turkmia 2012, 15-17 Nov 2012, Antalya, sayfa 105.
7. E.Koç, **P.Yıldırım**, Hastane yönetim sistemlerinde bilgisayar teknolojisi kullanımına yönelik bir araştırma, Sağlık ve Hastane İdaresi Kongresi, Fethiye,13-16 Ekim 2011,sayfa:309-315.
8. **P. Yıldırım**, M. R. Tolun, Biyomedikal metin madenciliği, 3. Mühendislik ve Teknoloji Sempozyumu, 29-30 Nisan 2010, Çankaya Üniversitesi, Ankara, sayfa:150-155.
9. **P. Yıldırım**, Ü. E. Mumcuoğlu, M. R. Tolun, M. N. Özmen, M. Uludağ, Klinik veritabanlarında etkin veri madenciliği amacıyla çoklu ilişkisel veri madenciliği yaklaşımı, Medical Informatics 2008 , Antalya, 13-16 Kasım 2008, sayfa: 59-67.
10. **P. Yıldırım**, M. Uludağ, A. Görür, Hastane bilgi sistemlerinde veri madenciliği, Akademik Bilişim 2008, Çanakkale, Turkey, Çanakkale Onsekiz Mart Üniversitesi 30 Ocak-01 Şubat 2008, sayfa:106.
11. **P. Yıldırım**, A. Bakır, S. Birinci, Hacettepe Üniversitesi Hastaneleri'nde web temelli teleradyoloji uygulaması, Tıp Bilişimi 2007, Antalya, 15-18 Kasım 2007, sayfa: 24-29.

12. **P. Yıldırım**, A. Bakır, Hacettepe Üniversitesi Hastanesi'ndeki bilgi sistemlerinin birlikte çalışabilirliği, Tıp Bilişimi 2006, Antalya, 16-19 Kasım 2006, sayfa:103-109.
13. **P. Yıldırım**, S. M. Öztaner, K. H. Gülkesen, Radyologların gözüyle PACS: Bir değerlendirme çalışması, Tıp Bilişimi 2006, Antalya, 16-19 Kasım 2006, sayfa: 24-28.
14. K. H. Gülkesen, A. Erdem, B. Kaymakoğlu, U. Arıöz, **P. Yıldırım**, O. Saka, Patoloji raporlarında yazım varyasyonları ve hatalar, Tıp Bilişimi 2005, Antalya, 17-20 Kasım 2005, sayfa: 145-152.
15. U. Arıöz, **P. Yıldırım**, B. Kaymakoğlu, A. Erdem, Klinik Belge Mimarisi(KBM):Clinical Document Architecture (CDA), Tıp Bilişimi 2005, Antalya, 17-20 Kasım 2005, sayfa: 163.
16. **P. Yıldırım**, U. Arıöz, PACS(Picture Archiving and Communication Systems) Analizi, Tıp Bilişimi 2005, Antalya, 17-20 Kasım 2005, sayfa: 153-159.
17. O. K. Başkurt, N. Zayim, **P. Yıldırım**, O. Saka, Interactive Medical Education System, ACIME (Academic Computing in Macintosh Environment), Akdeniz Üniversitesi, Antalya, 1995, sayfa :13-19.

#### **7.6 Other Publications**

1. **P. Yıldırım**, A. Bakır, Interoperability between various IT Systems in Hacettepe University Hospitals in Turkey, International HL7 Interoperability Conference IHIC 2006, Cologne Germany, 24-25 August 2006 Available at <http://ihic.hl7.de/proceedings.html>.

#### **8. Projects**

Researcher, Multi-Relational Data Mining in Radiology Information Systems, , Middle East Technical University, Scientific Research Projects(Bilimsel Araştırma Projeleri (BAP)) (01.01.2008 - 31.12.2008).

İzleyici, PRM(Promosyon Yönetim Sistemi), KOSGEB AR-GE İnovasyon Programı(19.09.2012-19.09.2013)

İzleyici, Mobisem SEMSinyal, KOSGEB AR-GE İnovasyon Programı (06.04.2015-06.04.2016)

#### **9. Administrative Tasks:**

Istanbul Okan University,

Bölüm Başkan Yardımcılığı(2016-)

Bölüm Bologna Koordinatörlüğü(2011-)

14. UYMS(Turkish National Software Engineering Symposium ) 2020The member of organization committee

#### **10. Academic/Professional Memberships:**

TURKMIA –Turkish Medical Association(Tıp Bilişimi Derneği)

## 11. Awards:

TUBITAK International Research Fellowship

Academic Visitor, European Bioinformatics Institute , Biomedical Text Mining Group, Cambridge, United Kingdom(15 June 2008-15 June 2009).

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

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2016-2017	Güz	BIL101-Algoritma ve programlamaya giriş	2	2	14
2016-2017	Güz	CENG101- Introduction to algorithm and programming	2	2	24
2016-2017	Güz	BIL391-Veritabanı yönetim sistemleri	3	0	10
2016-2017	Güz	CENG391-Database management systems	3	0	11
2016-2017	Bahar	BIL394- Veri madenciliği	3	0	17
2016-2017	Bahar	CENG394-Data mining	3	0	8
2016-2017	Bahar	BIL478-Tıbbi bilişim	3	0	15
2016-2017	Bahar	CENG478-Medical informatics	3	0	5
2016-2017	Bahar	BIL414- Bitirme Projesi		2	3
2016-2017	Bahar	CENG414- Graduation project		2	1
2017-2018	Güz	CENG213 Object oriented programming II	2	2	20
2017-2018	Güz	CENG101- Introduction to algorithm and programming	2	2	21
2017-2018	Güz	BIL391-Veritabanı yönetim sistemleri	3	0	12
2017-2018	Güz	CENG391-Database management systems	3	0	9
2017-2018	Güz	BIL497-Bilgisayar mühendisliği tasarımı		2	15

2017-2018	Bahar	BIL106-Nesneye yönelik programlama	2	2	5
2017-2018	Bahar	CENG106-Object oriented programming	2	2	8
2017-2018	Bahar	BIL478-Tıbbi bilişim	3		9
2017-2018	Bahar	CENG478-Medical informatics	3		6
2017-2018	Bahar	CENG498-Computer engineering graduation project		4	1