İSTANBUL TECHNICAL UNIVERSITY
INFORMATICS INSTITUTE

CIRRICULUM VITAE and PUBLICATION LIST

Date of statement: 03 – 07 – 2015
Name: Adem
Surname: Tekin
Academic Degree: Assoc. Prof.
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1. **Education**
   - PhD, 2004 : Physical Chemistry Institute, University of Kiel (Germany)
   - MSc, 2001 : Chemistry Department, Istanbul Technical University
   - BSc, 1999 : Chemistry Department, Istanbul Technical University

2. **Professional experiences** (in chronological order)
   - 2013- : Associate Professor, Informatics Institute, Istanbul Technical University
   - 2010-2013: Assistant Professor, Informatics Institute, Istanbul Technical University
   - 2008-2010: Postdoc, Physics Department, Technical University of Denmark
   - 2005-2007: Postdoc, Theoretical Organic Chemistry Dept., University of Duisburg-Essen
   - 2002-2004: Research Assistant, Physical Chemistry Institute, University of Kiel (Germany)
   - 2001-2002: Research Assistant, Theoretical Chemistry Institute, University of Stuttgart (Germany)

3. **Administrative Activities** (in chronological order)
   - 2010- : European Union 7. Framework (2007-2013), Coordinator of Informatics Institute
   - 2015 August - : Head of Computational Science and Engineering Program
   - 2015 March - : Board Member of National High Performance Computing Center

4. **Courses** (for last 10 years, in chronological order)
   Name of program: *"Computational Science and Engineering (Informatics Institute)"* Graduate Program

   2013-2014 Spring
   - Fundamental Informatics Software (in Turkish),

   2013-2014 Fall
   - Fundamental Informatics Software (in Turkish),
   - Chemoinformatics,

   2012-2013 Fall

- Fundamental Informatics Software (in Turkish),
- Chemoinformatics,

2011-2012 Spring
- Fundamental Informatics Software (in Turkish),
- Computational Design of Energy Materials,
- Scientific Computing II (in Turkish),

2011-2012 Fall
- Fundamental Informatics Software (in Turkish),
- Chemoinformatics,

2010-2011 Spring
- Fundamental Informatics Software (in Turkish),
- Computational Design of Energy Materials,

2010-2011 Fall
- Fundamental Informatics Software (in Turkish),
- Chemoinformatics,

2009-2010 Spring
- Fundamental Informatics Software (in Turkish)

5. **Research Interests** (max. 5)
   - Computational Design of Energy Materials
   - Hydrogen Storage
   - Catalyst Design for Biodiesel Production
   - Global Optimization
   - Force-Field Development

6. **Referee for International Journals** (in alphabetic order)
   - Physica B: Condensed Matter
   - New Journal of Chemistry
   - International Journal of Hydrogen Energy
   - Inorganic Chemistry
   - RSC Advances
   - Physica Status Solidi
   - Computational Materials Science
   - Turkish Journal of Chemistry

7. **Editorial board memberships**

8. **Memberships** (in alphabetic order)

9. **Supervised thesis completed** (in chronological order)
   - *Master of Science Thesis*
     - Computational Screening of Dual Cation Ammine Metal Borohydrides (Yusuf Kışlak, Informatics Institute, 2015)
     - Ab initio Kristal Yapı Tahmini: Metot Geliştirme ve Hidrojen Depolama Malzemelerine Uygulanması, (Engin Aybey, Informatics Institute, 2014)

- Metal Katkılı Karbon Nanotüplerde Hidrojen Adsorpsiyonu, (Aynur Şenyer, Energy Institute, 2013)
- Mikroalg Yetiştiriciliği Yoluyla Baca Gazı Kaynaklı Karbondioksit Salınımı Azaltımı (Okan Sayaner, Energy Institute, 2013)
- Global Geometry Optimization of DNA Bases via an Intermolecular Potential Energy Function (Artur Manukyan, Informatics Institute, 2013)
- Hydrogen Adsorption on Functionalized Single-Walled Carbon Nanotubes: A DFT Study, (Süha Erhan Ünal, Energy Institute, 2012)
- Experimental and Theoretical Investigations of Quaternary Amine Surfactant adsorption onto Sepiolite Clay (Deniz Karataş, Graduate School of Science, Engineering and Technology, 2011)

10. <u>Projects</u> (research projects supported by BAP, TUBITAK, IAEA, FP7 and Industry, in chronological order)

1. Project Title: Hedefli Kanser Tedavisine Yönelik PLGA-MMT Nano Kompozitinin Üretimi ve Moleküler Dinamik Simülasyon İle İncelenmesi
Supported by: TUBITAK
Budget:99.159 TL
Dates:2015-2016
Responsibility: Reseacher/Expert

2. Project Title: Nükleik Asit Bazları İçin Kuvvet Alanı Geliştirilmesi
Supported by: TUBITAK
Budget:220.159 TL
Dates:2015-2017
Responsibility:Leader

3. Project Title: Determination of the Basic Characteristics and Revealing the Atomic Mechanisms of the Thermal Stability of Different Hydrogenated Graphene-Layers-Based Nanostructures and Carbon Nanotubes, Relevance to the Problem of the Hydrogen On-Board Storage in Fuel-Cell-Powered Ecological Vehicles

Supported by: TUBITAK-FRBR(Russia)
Budget: 39.960 TL
Dates: 2014 – 2016
Responsibility: Reseacher/Expert

4. Project Title: Amin metal bor hidrürlerin yoğunluk fonksiyonel teorisi ile tasarımı
Supported by: TUBITAK
Budget:193.500 TL
Dates:2013-2015
Responsibility:Leader

5. Project Title: Intermolecular Interactions in DNA bases
Supported by: TUBITAK
Budget:89.000 TL
Dates:2011-2013
Responsibility:Leader

11. Projects for Graduate Thesis (in chronological order)

12. Consultancy (in chronological order)

13. Grants (except the grants given by TUBITAK and ITU for international journal publications)

14. Other activities (which seems important to mention)

15. Papers published in peer reviewed international journals (in chronological order)

1. Artür Manukyan, **Adem Tekin,** *First principles potential for the cytosine dimer*, Phys. Chem. Chem. Phys., **17**, 14685, (2015).
2. Rabia Zeynep Uslu Kobak, Meral Uguz Arı, **Adem Tekin**, Ahmet Gül, *Aggregation behavior in unsymmetrically substituted metal-free phthalocyanines*, Chemical Physics, **448**, 91, (2015).
3. Yury S. Nechaev, Alp Yürüm, **Adem Tekin**, Nilgün Karatepe Yavuz, Yuda Yürüm, T. Nejat Veziroglu, *Fundamental Open Questions on Engineering of "Super" Hydrogen Sorption in Graphite Nanofibers: Relevance for Clean Energy Applications*, American Journal of Analytical Chemistry, **5**, 1151, (2014).
4. Ibrahim Ozcesmeci, **Adem Tekin** and Ahmet Gul, *Synthesis and aggregation behavior of zinc phthalocyanines substituted with bulky naphthoxy and phenylazonaphthoxy groups: An experimental and theoretical study*, Synthetic Metals, 189, 100, (2014).
5. Deniz Karatas, **Adem Tekin** and Mehmet Sabri Celik, *Adsorption of Quaternary Amine Surfactants and their Penetration into the Intracrystalline Cavities of Sepiolite*, New J. Chem., 37, 3936, (2013).
6. Riccarda Caputo, Arkadiusz Kupczak, Wieslawa Sikora, **Adem Tekin,** *Ab-initio crystal structure prediction by combining symmetry analysis representations and total energy calculations. An insight into the structure of Mg(BH4)2*, Phys. Chem. Chem. Phys., 15, 1471, (2013).
7. M. Boning, B. Stuhlmann, G. Engler, M. Busker, T. Haber, **A Tekin**, G. Jansen, K. Kleinermanns**,** *Towards a spectroscopical and theoretical identification of the isolated building-blocks of the benzene-acetylene cocrystal*, ChemPhysChem, 14, 837, (2013).
8. R. Caputo, **A. Tekin**, *Lithium dihydroborate. First-principles structure prediction of $LiBH_2$*, Inorg. Chem., **51**, 9757, (2012).
9. B. Sutay, **A. Tekin**, M. Yurtsever, *Intermolecular interactions in nitrogen containing aramatic systems*, Theor. Chem. Acc., **131**, 1120, (2012).
10. C. Leforestier, **A. Tekin**, G. Jansen, M. Herman, *First principles potential for the acetylene dimer and refinement by fitting to experiments*, J. Chem. Phys., **135**, 234306, (2011).
11. A. J. Churchard et. al, *A multifaceted approach to hydrogen storage*, Phys. Chem. Chem. Phys., **13**, 16955, (2011).

12. A. D. Boese, H. Forbert, M. Masia, **A. Tekin**, D. Marx, G. Jansen, *Constructing simple yet accurate potentials for descibing the solvation of HCl/Water clusters in bulk Helium and Nanodroplets*, Phys. Chem. Chem. Phys., **13**, 14550, (2011).
13. R.Caputo, **A. Tekin**, *Ab-initio crystal structure prediction. A case study: $NaBH_4$*, J. Solid State Chem., **184**, 1622, (2011).
14. **A. Tekin**, R. Caputo, A. Züttel, *First-principles determination of the ground-state structure of $LiBH_4$*, Phys. Rev. Lett., **104**, 215501, (2010).
15. **A. Tekin**, J. S. Hummelshøj, H. S. Jacobsen, D. Sveinbjörnsson, D. Blanchard, J. K. Nørskov, T. Vegge, *Ammonia dynamics in magnesium ammine from DFT and neutron scattering*, Energy Environ. Sci., **3**, 448, (2010).
16. R. Caputo, **A. Tekin**, W. Sikora, A. Züttel, *First-principles determination of the ground-state structure of $Mg(BH_4)_2$*, Chem. Phys. Lett., **480**, 203, (2009).
17. J. S. Hummelshoj et al., *Density functional theory based screening of ternary alkali-transition metal borohydrides: A computational material design project*, J. Chem. Phys., **131**, 014101, (2009).
18. E. Sanchez, A. Mardyukov, **A. Tekin**, R. Crespo-Otero, L. A. Montero, W. Sander, G. Jansen, *Ab initio and matrix isolation study of the acetylene - furan dimer*, Chem. Phys., **343**, 168, (2008).
19. **A. Tekin**, G. Jansen, *How accurate is the density functional theory combined with symmetry-adapted perturbation theory approach for CH-π and π-π interactions? A comparison to supermolecular calculations for the acetylene-benzene dimer*, Phys. Chem. Chem. Phys., **9**, 1680, (2007).
20. **A. Tekin**, B. Hartke, *Global geometry optimization of silicon clusters employing empirical potentials, density functionals, and ab initio calculations*, J. Theo. Comp. Chem., **4**, 1119, (2005).
21. **A. Tekin**, B. Hartke, *Global geometry optimization of small silicon clusters with empirical potentials and at the DFT level*, Phys. Chem. Chem. Phys., **6**, 503, (2004).
22. **A. Tekin**, M. Yurtsever, Y. Yağcı, *Structural effects in the addition-fragmentation reaction of allylic onium salts*, Macromol. Theo. Simul., **11**, 766, (2002).
23. **A. Tekin**, M. Yurtsever, *Molecular dynamics simulation of phase transitions in binary LJ clusters*, Turk. J. Chem., **26**, 627, (2002).

16. Total cities of international journal publications: 307 (source: Web of Science, as of 09/10/2015)

17. International Conference Papers (in chronological order)

Published in international conference proceedings

1. S. Demir, A. Tekin, *Computational discovery of new dual cation metal ammine borohydrides*, The Energy & Materials Research Conference (EMR 2015), 25-27 February, 2015, Madrid-Spain. (Talk)
2. Y. Kışlak, A. Tekin, *Computational Screening of Dual Cation Ammine Metal Borohydrides*, The Energy & Materials Research Conference (EMR 2015), 25-27 February, 2015, Madrid-Spain. (Talk)

3. Y. Kışlak, A. Tekin, *Computational Design of Dual Cation Metal Ammine Borohydrides: LiTi(BH4)5(NH3)x*, International Congress on Energy Efficiency and Energy Related Materials, 16-19 October, 2014, Fethiye (Turkey). (Talk)
4. S. Demir, A. Tekin, *Discovery of new Dual Cation Metal Ammine Borohydrides: A computational study*, International Congress on Energy Efficiency and Energy Related Materials, 16-19 October, 2014, Fethiye (Turkey). (Poster)
5. A. Emdadi, S. Demir, Y. Kışlak, A. Tekin, *Computational Screening of Dual Cation Metal Ammine Borohydrides*, International Congress on Energy Efficiency and Energy Related Materials, 16-19 October, 2014, Fethiye (Turkey). (Talk)
6. D. Karataş, A. Tekin, M. F. Can, Z. Xu, M. S. Celik, *Structural and dynamic properties of water saturated TDEBAC- MONTMORILLONITE: A molecular dynamics simulation study*, International Mineral Processing Symposium, 15-17 October, 2014, Kuşadası (Turkey). (Talk)
7. Y. Kışlak, **A. Tekin**, *First-Principles structure prediction of ammine dual cation borohydrides: $LiMg(BH_4)_3(NH_3)_x$*, Springer Proceedings in Physics, 155 (2014) 457. International Congress on Energy Efficiency and Energy Related Materials, 9-12 October, 2013, Antalya (Turkey). (Talk)
8. D. Karatas, M. S. Çelik, **A. Tekin**, *A theoretical and experimental study on adsorption of quaternary amines onto sepiolite*, XIII. International Mineral Processing Symposium, 10-12 October, 2012, Bodrum, (Turkey). (Talk)
9. T. Vegge, J. S. Hummelshoj, D. Landis, J. Voss, **A. Tekin**, *Computational design of ternary metal borohydrides and metal ammines*, 2009 Fall Meeting of American Chemical Society, August, 2009, Washington DC, (USA). (ACS, Division of Fuel Chemistry, 54 (2), 885, (2009)) (Talk)
10. T. Vegge, J. S. Hummelshoj, D. Landis, J. Voss, **A. Tekin**, *Computational design of ternary metal borohydrides and metal ammines*, Gordon Research Conference: Hydrogen-Metal Systems, July, 2009, Barga, (Italy). (Abstract of Papers, 238th ACS National Meeting, Fuel-223, (2009)) (Talk)

Published in international conference abstract books

1. M. K. Koçak, A. Atsay, **A. Tekin**, A. Gül, *An experimental and theoretical study on a hexadeca-substituted zinc phthalocyanine*, ICCP-8 International Conference on Porphyrins and Phthalocynanines, June 22-27, 2014, Istanbul. (Poster)
2. İ. Özçeşmeci, **A. Tekin**, A. Gül, *Synthesis and aggregation behaviour of metallo-phthalocyanines: An experimental and theoretical study*, ICCP-8 International Conference on Porphyrins and Phthalocynanines, June 22-27, 2014, Istanbul. (Poster)
3. R. Z. U. Kobak, M. U. Arı, **A. Tekin**, *Understanding the aggregation phenomena in phthalocyanines*, ICCP-8 International Conference on Porphyrins and Phthalocynanines, June 22-27, 2014, Istanbul. (Poster)
4. A. Manukyan, **A. Tekin**, *Global optimization of Guanine oligomers via an intermolecular potential function*, 245th National Spring Meeting of American Chemical Society, April, 2013, Abstracts of papers of the American Chemical Society, 245, 395-Phys, (USA). (Poster)
5. A. Manukyan, **A. Tekin**, *A Global Structure Optimization of Cytosine and Guanine DNA Base Oligomers*, 44th World Chemistry Congress (IUPAC 2013), 11-16 August, 2013, Istanbul, (Turkey). (Talk)

6. D. Karataş, **A. Tekin**, *Delivering Drug Molecules via Cucurbiturils*, 44th World Chemistry Congress (IUPAC 2013), 11-16 August, 2013, Istanbul, (Turkey). (Talk)
7. D. Karataş, **A. Tekin**, M. S. Çelik, *Implantation of Organic Molecules in the Tunnels of the Sepiolite*, 44th World Chemistry Congress (IUPAC 2013), 11-16 August, 2013, Istanbul, (Turkey). (Talk)
8. M. Arı, **A. Tekin**, H. Dinçer, *Structures and Spectroscopic Properties of Peripherally and Nonperipherally Terminalalkynyl Substituted Phthalocyanines: A combined Theoretical and Experimental Investigation of the Substitution Effect*, 44th World Chemistry Congress (IUPAC 2013), 11-16 August, 2013, Istanbul, (Turkey). (Poster)
9. A. Manukyan, **A. Tekin**, *Force Field Development for Cytosine and Guanine DNA Bases*, 44th World Chemistry Congress (IUPAC 2013), 11-16 August, 2013, Istanbul, (Turkey). (Poster)
10. M. Arı, **A. Tekin**, *Capturing Carbon Dioxide with Organic Molecular Porous Materials*, 44th World Chemistry Congress (IUPAC 2013), 11-16 August, 2013, Istanbul, (Turkey). (Poster)
11. A. Kupczak, W. Sikora, R. Caputo, **A. Tekin**, *Ab-initio crystal structure prediction by combining symmetry analysis representations and total energy calculations. A case study $Mg(BH_4)_2$*, International Symposium on Metal-Hydrogen Systems, 21-26 October, 2012, Kyoto, (Japan). (Poster)
12. R. Caputo, **A. Tekin**, *First principles structure prediction of LiBHx, x=2*, Swiss Society of Crystallography Fall Meeting, 13 September, 2012, ETH Zurich, (Switzerland). (Poster)
13. A. Manukyan, **A. Tekin**, *Potential energy surface of cytosine dimer*, X Girona Seminar on Theoretical and Computational Chemistry for the Modelling of Biological Systems, 2-5 July, 2012, Girona, (Spain). (Poster)
14. R. Caputo, **A. Tekin**, *Ab-initio crystal structure prediction: $M(BH_x)$*, Swiss Society of Crystallography, 21-22 June, 2012, ETH Zurich, (Switzerland). (Poster)
15. A. Şenyer, **A. Tekin**, N. Karatepe, *Adsorption properties of hydrogen on metal decorated carbon nanotubes*, Global Conference on Global Warming, 8-12 July, 2012, İstanbul, (Turkey). (Talk)
16. W. Sikora, R. Caputo, **A. Tekin**, A. Kuna, A. Kupczak, *Symmetry relations and phase stability of magnesium borohydride $Mg(BH_4)_2$*, International Union of Crystallography 2011, 22-30 August, 2011, Madrid, (Spain). (Poster)
17. **A. Tekin**, *Crystal structure predictions for hydrogen storage matrials & ammonia dynamics in magnesium ammine*, Nano and Surface Science Approaches to Production and Storage of Hydrogen, 14-19 November, 2010, Noordwijkerhout, (The Netherlands). (Talk)
18. **A. Tekin**, *Crystal structure predictions for hydrogen storage materials, ammonia dynamizs in magnesium ammine and catalytic ammonia decomposition*, University of Duisburg-Essen, October, 2009, Essen, (Germany). (Talk)
19. **A. Tekin**, *Global optimizations applied to clusters and hydrogen stprage materials*, University of Iceland, March, 2009, Reykjavik, (Iceland). (Talk)
20. **A. Tekin**, T. Vegge, J. K. Norskov, *Diffusion pathways of NH_3 in $Mg(NH_3)_xCl_2$ from DFT calculations*, 3. Symposium Hydrogen & Energy, 25-30 January, 2009, Braunwald, (Switzerland). (Talk)

21. **A. Tekin**, T. Vegge, J. K. Norskov, *Diffusion pathways of NH_3 in $Mg(NH_3)_xCl_2$ from DFT calculations*, Technical University of Denmark - NanoDay, December, 2008, Lyngby, (Denmark). (Poster)
22. **A. Tekin**, Euroscience Open Forum, July, 2008, Barcelona, (Spain).
23. **A. Tekin**, T. Vegge, J. K. Norskov, *Indirect hydrogen storage*, European Marie Curie Conference, July, 2008, Barcelona, (Spain). (Poster)
24. **A. Tekin**, J. S. Hummelshoj, J. Voss, T. Vegge, J. K. Norskov, *Diffusion pathways of NH_3 in $Mg(NH_3)_xCl_2$ from DFT calculations*, International Symposium on Metal-Hydrogen Systems, 24-28 June, 2008, Reykjavik, (Iceland). (Poster)
25. **A. Tekin**, T. Vegge, J. K. Norskov, *Fast crystal structure predictions and rotation & diffusion pathways in $Mg(NH_3)_xCl_2$*, Copenhagen University - NanoDay, April, 2008, Copenhagen, (Denmark). (Poster)
26. **A. Tekin**, T. Vegge, J. K. Norskov, *Fast crystal structure predictions and rotation & diffusion pathways in $Mg(NH_3)_xCl_2$*, Danish Center for Scientific Conference, April, 2008, Lyngby, (Denmark). (Poster)
27. **A. Tekin**, G. Jansen, *CH-π and hydrogen-bonded interactions of acetylene with (hetero-) aromatic systems*, 12. International Conference on the Applications of Density Functional Theory, 26-30 August, 2007, Amsterdam, (The Netherlands). (Poster)
28. **A. Tekin**, *Fitting ab-initio potential energy surfaces*, Ruhr-Universitat Bochum, October, 2007, Bochum, (Germany). (Talk)
29. **A. Tekin**, G. Jansen, *Intermolecular potentials for the interaction of acetylene with (hetero-) aromatic systems*, 42. Symposium for Theoretical Chemistry, 3-6 September, 2006, Erkner-Berlin, (Germany). (Poster)
30. **A. Tekin**, G. Jansen, *Potential energy surfaces for acetylene-furan and the interactions of helium with smaşş molecules and ions*, Workshop for Forschergruppe 618, Ruhr Universitat Bochum, February, 2006, Bochum, (Germany). (Talk)
31. **A. Tekin**, G. Jansen, *Intermolecular potentials for the interaction of acetylene with (hetero-) aromatic systems*, Workshop for Forschergruppe 618, Ruhr Universitat Bochum, December, 2006, Bochum, (Germany). (Talk)
32. **A. Tekin**, B. Hartke, *Global geometry optimization of small silicon clusters*, 102. Bunsentagung, 29-31 May, 2003, Kiel, (Germany). (Poster)
33. **A. Tekin**, M. Yurtsever, *The study of the effect of alkyl substitution of the geometry of oligothiophenes by quantum mechanical techniques*, Interanational Symposium on the Treatment of Complex Chemical Systems: New Concepts in Theory and Experiment, 27-29 May, 1999, Darmstadt, (Germany). (Poster)

18. <u>Papers published in peer reviewed national journals</u> (in chronological order)

19. <u>National Conference Papers</u> (in chronological order)

Published in national conference proceedings

Published in national conference abstract books

1. S. Demir, Y. Kışlak, A. Emdadi, **A. Tekin**, *Computational design of new dual cation ammine metal borohydrides*, 4. National High Performance Computing Conference, 1-2 October, 2015, ODTÜ, Ankara (Turkey). (Talk)

2. A. Manukyan, **A. Tekin**, *Intermolecular interactions in cytosine dimer*, 26. National Chemistry Congress, 1-6 October, 2012, Mugla, (Turkey). (Talk)
3. R. Kobak, **A. Tekin**, *Do the asymmetrically substituted phthalocyanines with bulky groups really undergo aggregation?*, 26. National Chemistry Congress, 1-6 Ekim, 2012, Mugla, (Turkiye). (Poster)
4. **A. Tekin**, *Computational design of metal borohydrides and metal ammines for energy storage*, 15. National Liquid Phase Physics Symposium, November, 2011, University of Piri Reis, Tuzla-İstanbul, (Turkey). (Talk)
5. **A. Tekin**, *Indirect hydrogen storage in metal ammines*, 7. Nanoscience and Nanotechnology Conference, 27 June – 01 July, 2011, Tuzla-İstanbul, (Turkey). (Poster)
6. A. Şenyer, **A. Tekin**, N. Karatepe, *Hydrogen storage in metal decorated carbon nanotubes*, 7. Nanoscience and Nanotechnology Conference, 27 June – 01 July, 2011, Tuzla-İstanbul, (Turkey). (Poster)
7. **A. Tekin**, *Intermolecular potentials for acetylene, benzene and acetylene-benzene dimers and acetylene-benzene aggregates*, IX Chemical Physics Congress, 14-16 October, 2010, İzmir, (Turkey). (Talk)
8. **A. Tekin**, *Global optimizations applied to clusters and hydrogen storage materials*, İzmir Institute of Technology, March, 2009, İzmir, (Turkey). (Talk)
9. **A. Tekin**, *Global optimizations applied to clusters and hydrogen storage materials*, İstanbul Teknik Üniversitesi, March, 2009, İstanbul, (Turkey). (Talk)
10. **A. Tekin**, M. Yurtsever, *Investigation of AFA (Addition-Fragmentation Agents) reactions by quantum mechanical techniques*, 14. National Chemistry Congress, 10-15 September, 2000, Diyarbakır, (Turkey). (Poster)

20. <u>Book and/or chapters</u> (in chronological order)

21. <u>Published Report</u> (in chronological order)

22. <u>Patents</u> (in chronological order)