

Autobiography:

Asst. Professor Meltem Tan

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Education Information

Post Doctorate, Middle East Technical University, Faculty of Science, Chemistry-Organic Chemistry, Turkey 2014 - 2015

Doctorate, Van Yüzüncü Yil University, Faculty of Science, Chemistry-Organic Chemistry, Turkey 2008 – 2013

Graduate, Van Yüzüncü Yil University, Faculty of Science, Chemistry-Organic Chemistry, Turkey 2005 – 2007

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Computational Drug Design, Bahçeşehir University, 2015

Research Areas

Clinical Medicine, Natural Sciences, Research & Experimental Chemistry, Organic Chemistry, Theoretical Chemistry

Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Faculty of Pharmacy, Pharmacy Professional Sciences, 2016 - 2018

Research Assistant PhD, Van Yüzüncü Yil University, Faculty of Science, Chemistry, 2013- 2016 Research Assistant, Van Yüzüncü Yil University, Faculty of Science, Chemistry, 2009 – 2013

Professional Experience

Head of Department, Van Yüzüncü Yil University, Faculty of Pharmacy, Pharmacy Technology, 2017 – 2020

Head of Department, Van Yüzüncü Yil University, Faculty of Pharmacy, Pharmaceutical Toxicology, 2020-

Courses

NMR Introduction, Under Graduate, 2016 - 2017

Pharmaceutical Chemistry I, Under Graduate, 2017 - 2018

Pharmaceutical Chemistry IV, Under Graduate, 2017 - 2018

Laboratory Safety in Pharmaceutical Sciences, Post Graduate, 2017 - 2018

Pharmaceutical Metabolism, Under Graduate, 2016 - 2017

Pharmaceutical Chemistry III, Under Graduate, 2017 - 2018

New Drugs and Modern Synthetic Methods, Post Graduate, 2016 - 2017

Pharmaceutical Chemistry Lab IV, Under Graduate, 2016 - 2017

Spectroscopic Methods in the Determination of Pharmaceutical Agents, Post Graduate, 2016 - 2017

Pharmaceutical Chemistry Lab II , Under Graduate, 2016 - 2017

Pharmaceutical Chemistry II, Under Graduate, 2016 - 2017

Advising Theses

Tan M., Synthetic Compounds That Can Be Used as Preservatives in Medicines, Post Graduate, M.Fatih Hakimoğlu(Student), 2019

Jury Memberships

Post Graduate, Master Thesis Jury, Faculty of Science, November, 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

A novel structure for ESIPT emission: Experimental and theoretical investigations

Kuzu B., Tan M., Ekmekci Z., Mengeş N. JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.381 , 2019 (Journal Indexed in SCI)

Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases.

Kuzu B., Tan M., TASLIMI P., GÜLÇİN İ., Taşpınar M., Menges N. Bioorganic chemistry, vol.86, pp.187-196, 2019 (Journal Indexed in SCI)

Copper-Catalyzed Synthesis of Fused Imidazopyrazine N-Oxide Skeletons

Taşdemir V., Kuzu B., Tan M., Genç H., Menges N. SYNLETT, vol.30, pp.307-310, 2019 (Journal Indexed in SCI)

Determination of the enol form of asymmetric 1,3-dicarbonyl compounds: 2D HMBC NMR data and DFT calculations

Tan M., Bildirici İ., Mengeş N. JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.83, pp.953-968, 2018 (Journal Indexed in SCI)

An easy synthetic protocol for imidazo-1,4-oxazines and evaluation of their toxicities

Kuzu B., Genç H., Taspınar M., Tan M., Mengeş N. HETEROATOM CHEMISTRY, vol. 29, 2018 (Journal Indexed in SCI)

A novel fluorescent sensor based on imidazole derivative for Fe³⁺ ions

Kuzu B., Tan M., Ekmekci Z., Mengeş N. JOURNAL OF LUMINESCENCE, vol.192, pp.1096-1103, 2017 (Journal Indexed in SCI)

An Entry into Obtaining Pyrazole-, Chromone-, or Oxadiazole -Substituted 1H-Pyrazoles via 2,3Furandiones

Cam S., Bildirici İ., Mengeş N., Tan M., ŞENER A. JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.50, 2013 (Journal Indexed in SCI)

Studies on the Different Reaction Pathways between 3-Acetyl-5-benzoyl-6-methyl-2-phenyl-4H-pyran-4one and Alkylamines

Genç H., Tan M., Gümüş S., Mengeş N., Notifier İ., Şener A. BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.31, pp.2633-2636, 2010 (Journal Indexed in SCI)

3,5-Dibenzoyl-2,6-dimethyl-1-pentyl-4-pyridone

Şahin ZS, Işık Ş., Sener A., Tan M. ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

Synthesis Of Novel 2,5-Disubstitue 1,3,4-Oxadiazol Compounds ,

Tan M. Gümüşhane University Journal of the Institute of Science, vol.10, pp.330-338, 2020 (National Refreed University Journal)

Synthesis and Antimicrobial Effects of New Derivatives of Paraben Used as Protective Excipients

Hakimoğlu MF, Tan M. Iğdır University Journal of Science Institute, vol.10, pp.406-417, 2020 (International Refereed University Journal)

Refereed Congress / Symposium Publications in Proceedings

An Investigation For New Topical Antiseptic Solution with Unknown Agents

Kurt H., Mengeş N., Kuzu B., Gül S., Tan M. 8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020

New Synthetic Route For Pyrazolo [1,5-a] pyrazine-2-carbohydrazide Derivative

Amudi KI, Mengeş N., Tan M. 8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020

Catalyst-free and green chemistry approach for unknown fused tetraheterocyclic skeleton

Gül S., Kuzu B., Tan M., Mengeş N. 8th International Congress of Drug Chemistry: Design , Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, February 27 - March 01, 2020

New Types of Imidazole Derivatives and Their Pharmacological Effects on Central Nervous System

Kuzu B., Tan M., Mengeş N. 8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020, pp.1

Novel Synthesis Method For 5,6-Substitue Heterobicyclic Compounds

Tan M. 8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020

Synthesis, Propargylation and Cyclization Reactions of 2,2-Biindole

Tan M., Kaya S. 3. International Conference on Agriculture, Food, Veterinary and Pharmacy Sciences, Trabzon, Turkey, 16 - 18 April 2019, pp.902-906

Unknown Imidazole Fused Heterobicyclic Compounds via Alkyne Cyclization

Mengeş N., Kuzu B., Tan M. 4th Organic Chemistry Congress with international participation , Antalya, Turkey, 4 - 07 October 2018

Amidoximated poly [N- (3,4-dicyanophenyl) acrilamide]: Synthesis, characterization and thorium sorption properties

Öter Ç., Selçuk Zorer Ö., Tan M. 7th Rostock International Conference: "Thermophysical Properties for Technical Thermodynamics Rostock, Germany, 26 to 27 July 2018, pp.48

New Synthetic Methods for Pyrazole Fused Heterocyclic Compounds

M. Tan. 4th International Conference on New Trends in Chemistry, St. St. Petersburg, Russia, 11 - 13 May 2018, pp.58

New Synthesis Method Pirazolo [1,5-A] Pyrazine-2-Carboxamide Derivatives

Tan M., Mengeş N. 6. Pharmaceutical Chemistry with International Participation: Drug Agent Design, Synthesis Production and Standardization Congress, Antalya, Turkey, 22 - March 25, 2018, pp.133

Synthesis of Imidazopyrazine Derivatives and Evaluation of Their Genotoxicity and Cytotoxicity VII SAR-QSAR Models

Kuzu B. Tan M., Taspınar M. Menges N. TRAMECH IX, Transmediterranean Colloquium on Heterocyclic Chemistry, Fez, Morocco, 22 - November 25, 2017, pp.98

Reactions of spiro-Indolenines with Nucleophiles

Tan M. Menges N., Kuzu B. TRAMECH IX, Transmediterranean Colloquium on Heterocyclic Chemistry, Fez , Morocco, 22 - November 25, 2017, pp.215

Synthetic Protocol for imidazo-1,4-Oxazines and Evaluation of Their Cytotoxicity and Genotoxicity with SAR

Taşpınar M., Kuzu B., Tan M., N. Mengeş International Multidisciplinary Symposium on Drug Research and Development, DRD, Erzurum, Turkey, 5 - 7 October 2017, pp.69

Synthesis of the Novel Pyrazole Carboxylic Acid Derivatives

Tan M., Bildirici İ. 3rd International Turkic World Conference on Chemical Sciences & Technologies, Baku, Azerbaijan, 10 - 13 September 2017, pp.224

Synthesis of Pyrazolo-Pyrazine (on) Ring and Investigation of Biological Compatibility

Kolak S., Genç H., Mengeş N., Tan M. 29th National Chemistry Congress, Ankara, Turkey, 10 - 14 September 2017, pp.1

Genotoxic-Cytotoxic Studies on Synthesis, Characterization and SAR-QSAR Modeling of Imidazo [1,2-a] Pyrazine Compounds via Metal Catalyzed Alkyl Cyclization.

Kuzu B., Tan M., Taşpınar M., Mengeş N. 29. National Chemistry Congress, Ankara, Turkey, 10 - 14 September 2017, pp.206

Ecological and Economic Methods for Substituting the Pyrrole Ring Over C-2 Carbon

Yiğit A., Tan M., Mengeş N. 29. NATIONAL CHEMICAL CHEMISTRY CONGRESS, Ankara, Turkey, 10 - 14 September 2017, pp.15

Development Of Easy And Applicable Methods In Synthesis Of Tricyclic Molecules

Altıok MS, Kuzu B., Bildirici., Tan M., Mengeş N. 29. National Kimya Congress, Ankara, Turkey, 10 - 14 September 2017, pp.237

Determination of the Observed Enol Form of Asymmetric 1,3-dicarbonyl Compounds by 2D NMR and Explanation by Dihedral Angles

Tan M., Bildirici İ., Mengeş N. 3rd International Turkic World Conference on Chemical Sciences & Technologies, Baku, Azerbaijan, 10 - 13 September 2017, pp.75

Investigation of the Reaction of Pyrrole with the Lactone Ring: A New Synthetic Design for the Indolysis Skeleton

Yiğit A., Tan M., Mengeş N. 5. Pharmaceutical Chemistry: Drug Effective Substance Design, Synthesis, Production and Standardization Congress, Antalya, Turkey, 30 March - 02 April 2017, pp.131

Development of Methods for the Synthesis of Compounds Containing Pirazolo-pyrazinone and Pirazolo-pyrazine Skeleton.

Kolak S., Genç H., Mengeş N., Tan M. 5. Pharmaceutical Chemistry: Pharmaceutical Effective Design, Synthesis, Production and Standardization Congress, Antalya, Turkey, March 30 - April 2, 2017, pp.294

Development of Methods for Synthesis of Spirocyclic Alkaloid Analogues and Analogs Investigation of Reactions with Nucleophiles

Tan M., Mengeş N. 5. Pharmaceutical Chemistry: Pharmaceutical Active Substance Design, Synthesis, Production and Standardization Congress, Antalya, Turkey, 30 March - 02 April 2017, pp.143

Patented Methods in the Synthesis of the Agent of Some Important Generic Drugs Development

Mengeş N., Tan M. 5. Pharmaceutical Chemistry: Pharmaceutical Effective Design, Synthesis, Production and Standardization Congress, Antalya, Turkey, March 30 - April 02, 2017, pp.146

Handling of Imidazo-1,4-Oxazine Derivatives with an Easy and Cheaper Method and Cytotoxicity, Genotoxicity Studies

Kuzu B., Tan M., Taşpınar M., Mengeş N. 5. Pharmaceutical Chemistry: Pharmaceutical Active Material Design, Synthesis, Production and Standardization Congress, Antalya, Turkey, 30 March - 02 April 2017, pp.126

Fe+3 Ion Sensitive Fluorometric Organic Sensor Design, Synthesis and Its Use in Fe + 3 Determination in Live Cells

Kuzu B., Tan M., EKMEKÇİ Z., Mengeş N. 4th Pharmaceutical Chemistry with International Participation: Pharmaceutical Active Substance Design, Synthesis, Production and Standardization Congress, Aydın, Turkey, 17-20 March 2016, pp.14

Synthesis of Biologically Important Tautomers, Illumination of Their Structures by 3D NMR and Gaussian 03 Package Program

Tan M., Bildirici İ. 4th Pharmaceutical Chemistry Pharmaceutical Active Material Design, Synthesis, Production and Standardization Congress, Aydın, Turkey, 12 - 17 March 2016, pp.0-79

Synthesis of Pyrazino [1,2-a: 4,3-a'] Diindole Skeleton : Propargylation and Cyclization Reactions of 2,2'Biindole

Tan M., Balcı M., Kaya S. Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, Antalya, Turkey, 7 - 11 November 2015

Cyclization Reactions of Pyrolo-pyrazole Compounds

Tan M., Balcı M., Başçeken S. 27. National Chemistry Congress, Çanakkale, Turkey, 18 - 23 August 2015, pp.473

Cyclization Reactions of Pyrolo-pyrazole Derivatives: Removal of Substituents

Tan M., Balcı M., Başçeken S. 13th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry, Hurghada, Egypt, 9 - 14 February 2015

Synthesis of New Heterocyclic Compounds Containing Pyrolo and Indole Rings by Alkyn Cyclization

Tan M., Balcı M., Başçeken S. 2. National Organic Chemistry Congress, Ankara , Turkey, 19 - 24 September 2014

3,4- Synthesis of New Derivatives of Disubstituted-5-Phenyl-1- (2,5-Dimethylphenyl) - Pyrazoles

Tan M., Bildirici İ. 2. Pharmaceutical Chemistry, Production, Technology and Standardization Congress, Antalya, Turkey, 18 - 21 March 2014

Synthesis of New 4-Acyl-2,3-furandion Derivatives

Tan M., Bildirici İ. 2. Pharmaceutical Chemistry, Production, Technology, Standardization Congress, Antalya, Turkey, 18 - 21 March 2014

A New Method in Spirocyclic Indole Synthesis; Synthesis of Spirocyclic Indole and Spiroheterocyclic Indole Compounds

Tan M., Şener A., Mengeş N. 24. National Chemistry Congress, Zonguldak, Turkey, 24 - 29 June 2010

Reactions of Some Furandions with Cyclopentadiene

Tan M., Şener A., Mengeş N. 23 National Chemistry Congress, Sivas, Turkey, 10 - 16 June 2009

Supported Projects

Bildirici İ., Dalar A., Tan M., Mengeş N., Sevinçli Z. Ş., Project Supported by Higher Education Institutions, Synthesis of Some Arilacilpyrazole and Pyrazolo-Isoquinoline Derivatives and Investigation of In Vitro Antiepileptic Activities, 2017 - 2020

Mengeş N., Tan M., Development of New Methods for Synthesis of New Indolysine Derivatives, Characterization and Investigation of Biological Compatibility of Derivatives, 2017-2020

Tan M., Sevinçli Z. Ş. , Project Supported by Higher Education Institutions, Synthetic Compounds That Can Be Used as Preservatives in Medicines, 2018 - 2019

Mengeş N., Tan M., Kuzu B., Investigation of Modern Coupling Reactions of an Important Fluorescence Molecule Perylene, 2018 - 2019

Tan M., Project Supported by Higher Education Institutions, New Synthesis Method for Pyrazole Fused Heterocyclic Compounds, 2018 - 2018

Tan M., Kuzu B., Mengeş N., Development of Methods for Synthesis of Spirocyclic Alkaloid Analogues and Investigation of Reactions of Analogues with Nucleophiles, Project Supported by Higher Education Institutions, 2016 - 2018

Tan M., Bildirici İ., Genç H., Taşpınar M., Taşdemir V., Mengeş N. EU Framework Program Project, Development of Methods for Synthesis of New Heterobicyclic Compounds and Investigation of Cytotoxic and Genotoxic Effects of Synthesized Compounds with Structure-Activity Relationship (SAR), 2016 - 2018

Kuzu B., Tan M., Mengeş N., TUBITAK Project, Synthesis of Fluoroionophore Molecules and Their Applications in Cation Analysis, 2015 - 2017

Tan M., TUBITAK Project, Synthesis of New Heterocyclic Compounds by Alkyn Cyclization, 2012 - 2015