

Mohammad Reza Rouini

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Education:

1. PostDoc

Department of Pharmacology, University of Ottawa, Ottawa, Canada, 1996 -1995

2. Ph.D

Pharmaceutics, Faculty of Pharmacy, Teheran University of Medical Sciences, Teheran, Iran, 1995 -1989

3. Pharm D

Pharmacy, Faculty of Pharmacy, Teheran University, Teheran, Iran, 1988 -1983

Awards & Honors:

- Winner of Ibn-Sina Research Prize, 2002
- Winner of National Razi Research Prize, 2003

Management tasks:

- Head of Pharmacies of Faculty of Pharmacy Teheran University of Medical Sciences. 2018-up to now
- Vice Dean for Finance and Administration, Faculty of Pharmacy, 2005-2009, 2014-2021
- Head of Department of Pharmaceutics, 2005-2009

Editorial Board & Reviewing Activities:

- Editorial Board of DARU, Journal of Faculty of Pharmacy, Teheran University of Medical Sciences, Teheran, Iran

Memberships:

- 1- Board of Pharmaceutics Examiners
- 2- Chairman of the board: Pars Daru Pharmaceutical co.
- 3-Member of the board of directors: Modava Pharmaceutical co.
- 4- Member of the board: Huber Daru Gostar, Knowledge based Pharmaceutical co.
- 5- Member of the board: Pharmaceutical Products incubator of Tehran University of Medical Sciences.
- 6- Member of the board: Iranian society Biopharmaceutics and Pharmacokinetics
- 7- Member of the board: Iran Pharmacy Specialists Society
- 8- Member of Medicinal Plants Research Center of Tehran University of Medical Sciences.
- 9- Member of Drug Design and Development Research Center of Tehran University of Medical Sciences.
- 10- Member of Pharmaceutical Products Development Center of Tehran University of Medical Sciences

Books:

- Tramadol, usage, misuse and addiction process; chapter in the book entitled "The Neuropathology of Drug Addictions and Substance Misuse", Sheikholeslami B., Jamali B., **Rouini M.R.** Neuropathology of Drug Addictions and Substance Misuse, 2016, 3, pp. 407-416.
- Assays for Tramadol and its metabolites; chapter in the book entitled "The Neuropathology of Drug Addictions and Substance Misuse". Sheikholeslami B., Torkamanian M., Ardakani Y.H., Jamali B., **Rouini M.R.** Neuropathology of Drug Addictions and Substance Misuse, 2016, 3, pp. 631-645.
- Assays for MDMA and its metabolites; chapter in the book entitled "The Neuropathology of Drug Addictions and Substance Misuse". Jamali B., Torkamanian M., Badri N., Sheikholeslami B., Ardakani Y.H., **Rouini M.R.** Neuropathology of Drug Addictions and Substance Misuse, (2016), pp. 503-512.
- Applied Biopharmaceutics and Pharmacokinetics, Shargel and YU. 7th edition. Translated by Prof. M.R. Rouini, Dr Y. Hosseinzadeh Ardakani, Dr. B. sheikholeslami, Dr. M. Dibaei. 2018
- Concepts in Clinical Pharmacokinetics. DiPiro, Joseph T, 4th edition. Translated by Dr. M.R. Rouini, Dr Y. Hosseinzadeh Ardakani. 2009
- Introduction to drug metabolism. Gibson, G. Gordon. Translated by Dr. H. Tajerzadeh, Dr M. Hamidi, Dr M. Valadkhani, **Dr M.R. Rouini**. 2004

Publications:

- 1- Ghasim H, **Rouini M**, Gholami K, Larti F, Safari S, Ardakani YH. Evaluation of phenoconversion phenomenon in obese patients: the effects of bariatric surgery on the CYP450 activity “a protocol for a case–control pharmacokinetic study”. *Journal of Diabetes & Metabolic Disorders*. 2021 Jul 31;1:8.
- 2- Samadi A, Sartipi Z, Nasrollahi SA, Sheikholeslami B, Kashani MN, **Rouini MR**, Dinarvand R, Firooz A. Efficacy assessments of tretinoin-loaded nano lipid carriers in acne vulgaris: a double blind, split-face randomized clinical study. *Archives of Dermatological Research*. 2021 Jun 19;1:9.
- 3- Bahrainian S, **Rouini M**, Gilani K. Preparation and evaluation of vancomycin spray-dried powders for pulmonary delivery. *Pharmaceutical Development and Technology*. 2021 Jul 3;26(6):647-60.
- 4- Neyshaburinezhad N, **Rouini M**, Lavasani H, H Ardakani Y. Evaluation of Cinnamon (Cinnamomum Verum) Effects on Liver CYP450 2D1 Activity and Hepatic Clearance in Diabetic Rats. *Jundishapur Journal of Natural Pharmaceutical Products*. 2021 Feb 28;16(1).
- 5- **Rouini M**, Rad NK, Mojtabahedzadeh M, Najafi A, Sharifnia H, Dianatkhan M, Najmeddin F, Hadi AM, Shahrami B. Oral Substitution of Melatonin in Critical Care: A Pharmacokinetic Study in Patients with Intracranial Hemorrhage. *Journal of Pharmaceutical Care*. 2020 Mar 24;8(1):3-10.
- 6- Neyshaburinezhad N, **Rouini MR**, Entezari H, Lavasani H, Hosseinzadeh Ardakani Y. Evaluation of changes in cytochrome P450 2C19 activity in type 2 diabetic rats before and after treatment, by using isolated perfused liver model. *Iranian Journal of Basic Medical Sciences*. 2020 May 1;23(5):629-35.
- 7- Najmeddin F, Shahrami B, Azadbakht S, Dianatkhan M, **Rouini MR**, Najafi A, Ahmadi A, Sharifnia H, Mojtabahedzadeh M. Evaluation of epithelial lining fluid concentration of amikacin in critically ill patients with ventilator-associated pneumonia. *Journal of intensive care medicine*. 2020 Apr;35(4):400-4.
- 8- Neyshaburinezhad N, Seidabadi M, **Rouini M**, Lavasani H, Foroumadi A, Ardakani YH. Evaluation of hepatic CYP2D1 activity and hepatic clearance in type I and type II diabetic rat models, before and after treatment with insulin and metformin. *DARU Journal of Pharmaceutical Sciences*. 2020 May 6:1-9.

- 9- Amani N, Javar HA, Dorkoosh FA, **Rouini MR**, Amini M, Sharifzadeh M, Boumi S. Preparation and pulsatile release evaluation of teriparatide-loaded multilayer implant composed of polyanhydride-hydrogel layers using spin coating for the treatment of osteoporosis. *Journal of Pharmaceutical Innovation*. 2020 May 23;1-22.
- 10- Shahrami B, Najmeddin F, Ghaffari S, Najafi A, **Rouini MR**, Mojtabahedzadeh M. Area under the Curve-Based Dosing of Vancomycin in Critically Ill Patients Using 6-Hour Urine Creatinine Clearance Measurement. *Critical Care Research and Practice*. 2020 Dec 24;2020.
- 11- Taghizadeh G, Mehdizadeh H, Pourahmad J, Foroumadi A, Hassani S, Khankahdani ZH, Noruzi M, Behmadi H, Lavasani H, **Rouini MR**, Sharifzadeh M. Bucladesine Attenuates Spatial Learning and Hippocampal Mitochondrial Impairments Induced by 3, 4-Methylenedioxymethamphetamine (MDMA). *Neurotoxicity research*. 2020 Jun;38(1):38-49.
- 12- Rezai S, Neyshaburinezhad N, **Rouini M**, Lavasani H, Ardakani YH. Can combination therapy with insulin and metformin improve metabolic function of the liver, in type I diabetic patients? An animal model study on CYP2D1 activity. *Journal of Diabetes & Metabolic Disorders*. 2020 Nov 3;1-8.
- 13- Barazesh A, Gilani K, **Rouini M**, Barghi MA. The effect of metal salts on aerosol performance of spray dried carrier-free formulations of levofloxacin. *DARU Journal of Pharmaceutical Sciences*. 2020 Jun;28(1):75-85.
- 14- Rassouli SB, **Rouini MR**, Najmeddin F, Gheimati A, Golabchifar AA, Tabib K, Ahmadi A, Sadeghi K, Honarmand H, Hadi AM, Mojtabahedzadeh M. Methadone Pharmacokinetics in Geriatric Critically Ill Patients Following Intramuscular and Intravenous Administration: A Pilot Stud. *Journal of Pharmaceutical Care*. 2020 Nov 7.
- 15- **Rouini M**, Neyshaburinezhad N, Foroumadi A, Lavasani H, Hosseinzadeh Ardakani Y. Effect of 3, 4-Methylenedioxymethamphetamine on Liver CYP2C19 Enzyme Activity in Isolated Perfused Rat Liver Using Omeprazole Probe. *Journal of Mazandaran University of Medical Sciences*. 2020 Jul 10;30(187):1-4.
- 16- **Rouini M**, Rad NK, Najafi A, Sharifnia H, Dianatkhan M, Mojtabahedzadeh M, Najmeddin F. Oral Substitution of Melatonin in Critical Care: A Pharmacokinetic Study in Patients with Intracranial Hemorrhage. *Journal of Pharmaceutical Care*. 2020 Apr 25.
- 17- **Rouini MR**, Dibaei M, Ghasemian E. Pharmacokinetics and Bioequivalence Studies of Teriflunomide in Healthy Iranian Volunteers. *Clinical pharmacology in drug development*. 2020 Apr;9(3):341-5.

- 18- Sheikholeslami B, Tootoonchi Z, Lavasani H, Ardakani YH, **Rouini M**. Investigation of MDMA Inhibitory Effect on CytochromeP450 3A4 in Isolated Perfused Rat Liver Model Using Tramadol. Advanced Pharmaceutical Bulletin. 2020 Aug 5.
- 19- Shahrami B, Najmeddin F, **Rouini MR**, Najafi A, Sadeghi K, Amini S, Khezrnia SS, Sharifnia HR, Mojtabahedzadeh M. Evaluation of amikacin pharmacokinetics in critically ill patients with intra-abdominal sepsis. Advanced pharmaceutical bulletin. 2020 Jan;10(1):114.
- 20- Rezaie Shirmard L, Ghofrani M, Bahari Javan N, Bayrami S, Tavassoli A, Rezaie A, Amini M, Kebriaee-Zadeh A, **Rouini MR**, Dinarvand R, Rafiee-Tehrani M. Improving the in-vivo biological activity of fingolimod loaded PHBV nanoparticles by using hydrophobically modified alginate. Drug development and industrial pharmacy. 2020 Feb 1;46(2):318-28.
- 21- Afshar S, Hashemian F, Anari S, Qomi M, **Rouini M**. Pethidine's Half-life Alterations following Orthopedic Surgery: Is Available Literature Always Compatible with the Data Obtained at the Bedside?. Journal of Pharmaceutical Care. 2020 Feb 18.
- 22- Taghizadeh G, Mehdizadeh H, Lavasani H, Ardakani YH, Foroumadi A, Khankahdani ZH, Moshtagh A, Pourahmad J, Sharifzadeh M, **Rouini MR**. Dose concentration and spatial memory and brain mitochondrial function association after 3, 4-methylenedioxymethamphetamine (MDMA) administration in rats. Archives of Toxicology. 2020 Mar;94(3):911-25.
- 23- Neyshaburinezhad N, **Rouini M**, Shirzad N, Esteghamati A, Nakhjavani M, Namazi S, Ardakani YH. Evaluating the effect of type 2 diabetes mellitus on CYP450 enzymes and P-gp activities, before and after glycemic control: a protocol for a case-control pharmacokinetic study: Evaluation of metabolism in diabetes mellitus. MethodsX. 2020 Mar 7:100853.
- 24- Neyshaburinezhad N, **Rouini M**, Shirzad N, Esteghamati A, Nakhjavani M, Namazi S, Ardakani YH. Evaluating the effect of type 2 diabetes mellitus on CYP450 enzymes and P-gp activities, before and after glycemic control: A protocol for a case-control pharmacokinetic study. MethodsX. 2020 Jan 1;7:100853.
- 25- Barazesh A, Gilani K, **Rouini M**, Barghi MA. The effect of metal salts on aerosol performance of spray dried carrier-free formulations of levofloxacin. DARU Journal of Pharmaceutical Sciences. 2019 Dec 5:1-1.

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- 27- Taheri A, Emami M, Asadipour E, Kasirzadeh S, **Rouini MR**, Najafi A, Heshmat R, Abdollahi M, Mojtahedzadeh M. A randomized controlled trial on the efficacy, safety, and pharmacokinetics of metformin in severe traumatic brain injury. *Journal of neurology*. 2019 Aug 1;266(8):1988-97.
- 28- Dibaei M, **Rouini MR**, Sheikholeslami B, Gholami M, Dinarvand R. The effect of surface treatment on the brain delivery of curcumin nanosuspension: in vitro and in vivo studies. *International journal of nanomedicine*. 2019 Jul 19;14:5477.
- 29- Mohammadi S, Nezami A, Esmaeili Z, **Rouini MR**, Ardakani YH, Lavasani H, Hassanzadeh G, Ghazi-Khansari M. Pharmacokinetic changes of tramadol in rats with hepatotoxicity induced by ethanol and acetaminophen in perfused rat liver model. *Alcohol*. 2019 Jun 1;77:49-57.
- 30- Nilchi S, Behdarvand D, Lavasani H, **Rouini M**, Ardakani YH. Assessment of CYP2D6 reactivation after inhibitory effect of MDMA using tramadol as a probe. *Drug metabolism and personalized therapy*. 2018 Sep 25;33(3):119-25.
- 31- Ahmadimanesh M, Shadnia S, **Rouini MR**, Sheikholeslami B, Nasab SA, Ghazi-Khansari M. Correlation between plasma concentrations of tramadol and its metabolites and the incidence of seizure in tramadol-intoxicated patients. *Drug metabolism and personalized therapy*. 2018 Jun 27;33(2):75-83.
- 32- Taheri A, Lavasani H, Kasirzadeh S, Sheikholeslami B, Ardakani YH, **Rouini MR**. Changes in CYP2D enzyme activity following induction of type 2 diabetes, and administration of cinnamon and metformin: an experimental animal study. *Xenobiotica*. 2018 Oct 3;48(10):984-9.
- 33- Aeineh N, Salehi F, Akrami M, Nemati F, Alipour M, Ghorbani M, Nikfar B, Salehian F, Riyahi Alam N, Sadat Ebrahimi SE, Foroumadi A, Khoobi M, **Rouini MR**, Dibaei M, Haririan I, Ganjali MR, Safaei S. Glutathione conjugated polyethylenimine on the surface of Fe₃O₄ magnetic nanoparticles as a theranostic agent for targeted and controlled curcumin delivery. *Journal of Biomaterials science, Polymer edition*. 2018 Jul 3;29(10):1109-25.
- 34- Kashiha A, Setayesh N, Panahi Y, Ahmadi A, Soltany-Rezaee-Rad M, Najafi A, **Rouini MR**, Namipashaki A, Sahebkar A, Mojtahedzadeh M. Prevalence of candidemia and

- associated candida subtypes following severe sepsis in non-neutropenic critically ill patients. *Acta bio-medica: Atenei Parmensis*. 2018;89(2):193.
- 35- Barazesh A, Gilani K, **Rouini M**, Barghi MA. Effect of pH and leucine concentration on aerosolization properties of carrier-free formulations of levofloxacin. *European Journal of Pharmaceutical Sciences*. 2018 Jun 15;118:13-23.
- 36- Zaaeri F, Khoobi M, **Rouini M**, Akbari Javar H. pH-responsive polymer in a core–shell magnetic structure as an efficient carrier for delivery of doxorubicin to tumor cells. *International Journal of Polymeric Materials and Polymeric Biomaterials*. 2018 Nov 2;67(16):967-77.
- 37- Sepehri Z, Bagheri H, Ranjbari E, Amiri-Aref M, Amidi S, **Rouini MR**, Ardakani YH. Simultaneous electrochemical determination of isoniazid and ethambutol using poly-melamine/electrodeposited gold nanoparticles modified pre-anodized glassy carbon electrode. *Ionics*. 2018 Apr 1;24(4):1253-63.
- 38- Ardakani YH, Lavasani H, **Rouini MR**. Gender Dependency in Streoselective Pharmacokinetics of Tramadol and Its Phase I Metabolites in Relation to CYP2D6 Phenotype in Iranian Population. *Iranian journal of pharmaceutical research: IJPR*. 2018;17(2):767.
- 39- Jamshidfar S, Ardakani YH, Lavasani H, **Rouini M**. Inhibition of mirtazapine metabolism by Ecstasy (MDMA) in isolated perfused rat liver model. *DARU Journal of Pharmaceutical Sciences*. 2017 Dec 1;25(1):16.
- 40- Mehdizadeh H, Pourahmad J, Taghizadeh G, Vousooghi N, Yoonessi A, Naserzadeh P, Behzadfar L, **Rouini MR**, Sharifzadeh M. Mitochondrial impairments contribute to spatial learning and memory dysfunction induced by chronic tramadol administration in rat: Protective effect of physical exercise. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*. 2017 Oct 3;79:426-33.
- 41- Ghasemian E, Vatanara A, Navidi N, **Rouini MR**. Brain delivery of baclofen as a hydrophilic drug by nanolipid carriers: Characteristics and pharmacokinetics evaluation. *Journal of Drug Delivery Science and Technology*. 2017 Feb 1;37:67-73.
- 42- **Rouini MR**, Afshar M. Effect of CYP2D6 polymorphisms on the pharmacokinetics of propafenone and its two main metabolites. *Therapies*. 2017 Jun 1;72(3):373-82.

- 43- Poursina N, Vatanara A, **Rouini MR**, Gilani K, Rouholamini Najafabadi A. Systemic delivery of parathyroid hormone (1–34) using spray freeze-dried inhalable particles. *Pharmaceutical development and technology*. 2017 Aug 18;22(6):733-9.
- 44- Jamali B, Sheikholeslami B, Ardakani YH, Lavasani H, **Rouini MR**. Evaluation of the Ecstasy influence on tramadol and its main metabolite plasma concentration in rats. *Drug metabolism and personalized therapy*. 2017 Sep 26;32(3):137-45.
- 45- Shahrami B, Najmeddin F, Mousavi S, Ahmadi A, **Rouini MR**, Mojtabahedzadeh M. CP-184 Correlations of vancomycin clearance during intermittent infusion with measured and estimated creatinine clearance in critically ill patients: 6 hour urine collection may be beneficial.
- 46- Takzaree N, Hassanzadeh G, **Rouini MR**, Manayi A, Hadjiakhondi A, Zolbin MM. Evaluation of the effects of local application of thyme honey in open cutaneous wound healing. *Iranian journal of public health*. 2017 Apr;46(4):545.
- 47- Raigani M, **Rouini MR**, Golabchifar AA, Mirabzadeh E, Vaziri B, Barkhordari F, Davami F, Mahboudi F. Scale up and pharmacokinetic study of a novel mutated chimeric tissue plasminogen activator (mt-PA) in rats. *Scientific reports*. 2017 Feb 22;7:43028.
- 48- Shahbeig H, Mehrnia MR, Mohammadi AR, Moghaddam PE, **Rouini MR**. Pharmaceutical wastewater treatment using membrane bioreactor-ozonation system. *Water and Environment Journal*. 2017 Feb;31(1):57-63.
- 49- Esmaeli Z, Mohammadi S, Nezami A, **Rouini MR**, Ardakani YH, Lavasani H, Ghazi-Khansari M. A disposition kinetic study of Tramadol in bile duct ligated rats in perfused rat liver model. *Biomedicine & Pharmacotherapy*. 2017 Jul 1;91:251-6.
- 50- Moghtadaee S., Ardakani, Y.H., Lavasani, H., **Rouini, M.R.** Imatinib metabolism and disposition in isolated rat perfused liver. (2016) *Iranian Journal of Pharmaceutical Sciences*, 12 (1), pp. 69-84
- 51- Ghasemian E, Vatanara A, **Rouini MR**, Rouholamini Najafabadi A, Gilani K, Lavasani H, Mohajel N. Inhaled sildenafil nanocomposites: lung accumulation and pulmonary pharmacokinetics. *Pharmaceutical development and technology*. 2016 Nov 16;21(8):961-71.
- 52- Golabchifar AA, Rezaee S, Dinan NM, Kebriaeezadeh A, **Rouini MR**. Population pharmacokinetic analysis of the oral absorption process and explaining intra-subject variability in plasma exposures of imatinib in healthy volunteers. *European journal of drug metabolism and pharmacokinetics*. 2016 Oct;41(5):527-39.

- 53- Taghizadeh G, Pourahmad J, Mehdizadeh H, Foroumadi A, Torkaman-Boutorabi A, Hassani S, Naserzadeh P, Shariatmadari R, Gholami M, **Rouini MR**, Sharifzadeh M. Protective effects of physical exercise on MDMA-induced cognitive and mitochondrial impairment. Free Radical Biology and Medicine. 2016 Oct 1;99:11-9.
- 54- Sheikholeslami B, Gholami M, Lavasani H, **Rouini M**. Evaluation of the route dependency of the pharmacokinetics and neuro-pharmacokinetics of tramadol and its main metabolites in rats. European Journal of Pharmaceutical Sciences. 2016 Sep 20;92:55-63.
- 55- Takzaree N, Hadjiakhondi A, Hassanzadeh G, **Rouini MR**, Manayi A, Zolbin MM. Transforming growth factor- β (TGF- β) activation in cutaneous wounds after topical application of aloe vera gel. Canadian journal of physiology and pharmacology. 2016;94(12):1285-90.
- 56- Poursina N, Vatanara A, **Rouini MR**, Gilani K, Najafabadi AR. The effect of excipients on the stability and aerosol performance of salmon calcitonin dry powder inhalers prepared via spray freeze drying process. Acta Pharmaceutica. 2016 Jun 30;66(2):207-18.
- 57- Sheikholeslami B, Jamali B, **Rouini M**. Tramadol, usage, misuse, and addiction processes. InNeuropathology of Drug Addictions and Substance Misuse 2016 Jan 1 (pp. 407-416). Academic Press.
- 58- Sheikholeslami B, Torkamanian M, Ardashri YH, Jamali B, **Rouini M**. Assays for Tramadol and Its Metabolites. Neuropathology of Drug Addictions and Substance Misuse. 2016 Jan 1:631-45.
- 59- Hashemian F, Hashemian F, Molaali N, **Rouini M**, Roohi E, Torabian S. Clinical effects of topical antifungal therapy in chronic rhinosinusitis: a randomized, double-blind, placebo-controlled trial of intranasal fluconazole. EXCLI journal. 2016;15:95.
- 60- Takzaree N, Hadjiakhondi A, Hassanzadeh G, **Rouini MR**, Manayi A. Synergistic effect of honey and propolis on cutaneous wound healing in rats.
- 61- Shahbeig H, Mehrnia MR, Mohammadi AR, Moghaddam PE, **Rouini MR**. Pharmaceutical wastewater treatment using membrane bioreactor-ozonation system. Water and Environment Journal. 2017 Feb;31(1):57-63.
- 62- Shahrami B, Najmeddin F, Mousavi S, Ahmadi A, **Rouini MR**, Sadeghi K, Mojtabahzadeh M. Achievement of vancomycin therapeutic goals in critically ill patients: early individualization may be beneficial. Critical care research and practice. 2016 Jan 1;2016.

- 63- Poursina N, Vatanara A, **Rouini MR**, Gilani K, Rouholamini Najafabadi A. Systemic delivery of parathyroid hormone (1–34) using spray freeze-dried inhalable particles. *Pharmaceutical development and technology*. 2017 Aug 18;22(6):733-9.
- 64- Takzaree N, Hassanzadeh G, **Rouini MR**, Keshtkar A, Manayi A, Haajiakhondi A. Histological study of wound repair with topical aloe vera gel in rat. *Tehran University Medical Journal TUMS Publications*. 2015 Dec 10;73(9):660-7.
- 65- Azadi A, **Rouini MR**, Hamidi M. Neuropharmacokinetic evaluation of methotrexate-loaded chitosan nanogels. *International journal of biological macromolecules*. 2015 Aug 1;79:326-35.
- 66- Khezrian M, Sheikholeslami B, Dadashzadeh S, Lavasani H, Rouini M. Effects of cyclosporine A on the hepatobiliary disposition and hepatic uptake of etoposide in an isolated perfused rat liver model. *Cancer chemotherapy and pharmacology*. 2015 May 1;75(5):961-8.
- 67- Payan M, Tajik N, **Rouini MR**, Ghahremani MH. Genotype and allele frequency of CYP2C19* 17 in a healthy Iranian population. *Medical journal of the Islamic Republic of Iran*. 2015;29:269.
- 68- Hashemian F, Baghbanian N, Majd Z, **Rouini MR**, Jahanshahi J, Hashemian F. The effect of thyme honey nasal spray on chronic rhinosinusitis: a double-blind randomized controlled clinical trial. *European Archives of Oto-Rhino-Laryngology*. 2015 Jun;272(6):1429-35.
- 69- Dinan NM, Atyabi F, **Rouini MR**, Amini M, Golabchifar AA, Dinarvand R. Doxorubicin loaded folate-targeted carbon nanotubes: Preparation, cellular internalization, in vitro cytotoxicity and disposition kinetic study in the isolated perfused rat liver. *Materials Science and Engineering: C*. 2014 Jun 1;39:47-55.
- 70- Kiarostami V, **Rouini MR**, Mohammadian R, Lavasani H, Ghazaghi M. Binary solvents dispersive liquid—liquid microextraction (BS-DLLME) method for determination of tramadol in urine using high-performance liquid chromatography. *DARU Journal of Pharmaceutical Sciences*. 2014 Dec;22(1):1-8.
- 71- **Rouini MR**, Lavasani H, Sheikholeslami B, Owen H, Giorgi M. Pharmacokinetics of mirtazapine and its main metabolites after single intravenous and oral administrations in rats at two dose rates. *DARU Journal of Pharmaceutical Sciences*. 2014 Dec;22(1):1-5.

- 72- Alinaghi A, **Rouini MR**, Daha FJ, Moghimi HR. The influence of lipid composition and surface charge on biodistribution of intact liposomes releasing from hydrogel-embedded vesicles. International journal of pharmaceutics. 2014 Jan 1;459(1-2):30-9.
- 73- Payan M, **Rouini MR**, Tajik N, Ghahremani MH, Tahvilian R. Hydroxylation index of omeprazole in relation to CYP2C19 polymorphism and sex in a healthy Iranian population. DARU Journal of Pharmaceutical Sciences. 2014 Dec;22(1):1-9.
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- 77- Nabi-Meibodi M, Vatanara A, Najafabadi AR, **Rouini MR**, Ramezani V, Gilani K, Etemadzadeh SM, Azadmanesh K. The effective encapsulation of a hydrophobic lipid-insoluble drug in solid lipid nanoparticles using a modified double emulsion solvent evaporation method. Colloids and Surfaces B: Biointerfaces. 2013 Dec 1;112:408-14.
- 78- Azadi A, Hamidi M, **Rouini MR**. Methotrexate-loaded chitosan nanogels as 'Trojan Horses' for drug delivery to brain: preparation and in vitro/in vivo characterization. International journal of biological macromolecules. 2013 Nov 1;62:523-30.
- 79- Mazidi T, **Rouini MR**, Ghahremani MH, Dashti-Khavidaki S, Lessan-Pezeshki M, lagha Ahmadi F, Salam-Zadeh J, Mandegary A, Gholami K. Impact of UGT1A9 polymorphism on mycophenolic acid pharmacokinetic parameters in stable renal transplant patients. Iranian journal of pharmaceutical research: IJPR. 2013;12(3):547.
- 80- Alinaghi A, **Rouini MR**, Johari Daha F, Moghimi HR. Hydrogel-embeded vesicles, as a novel approach for prolonged release and delivery of liposome, in vitro and in vivo. Journal of liposome research. 2013 Sep 1;23(3):235-43.
- 81- Giorgi M, Kim TW, Saba A, **Rouini MR**, Yun H, Ryschanova R, Owen H. Detection and quantification of cimicoxib, a novel COX-2 inhibitor, in canine plasma by HPLC with

spectrofluorimetric detection: Development and validation of a new methodology. Journal of pharmaceutical and biomedical analysis. 2013 Sep 1;83:28-33.

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