



Jahrom University
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https://medicine.jums.ac.ir/dorsapax/Data/sub_14/file/%D9%85%D8%B9%D8%B5%D9%88%D9%85%D9%87%20%D8%B3%D9%86%D8%A7%D8%A6%D9%8A.pdf

Current Position

Faculty member

Membership

Previous Employment

Education

Liscense: Shiraz University of medical education
Islamic Republic of Iran

Master of Science: Isfahan University of medical education
Islamic Republic of Iran

Select Publications

I. Journals

1- [Histone deacetylases and histone deacetylase inhibitors: molecular mechanisms of action in various cancers](#)

M Sanaei, F Kavooosi

[۸۶](#) 2019

Advanced biomedical research 8

2- [Effect of genistein in comparison with trichostatin a on reactivation of DNMTs genes in hepatocellular carcinoma](#)

M Sanaei, F Kavooosi, A Roustazadeh, F Golestan

[۴۳](#) 2018

Journal of clinical and translational hepatology 6 (2), 141

3- [Effect of 5-aza-2'-deoxycytidine in comparison to valproic acid and trichostatin A on histone deacetylase 1, DNA methyltransferase 1, and CIP/KIP family \(p21, p27, and p57 ...](#)

M Sanaei, F Kavooosi

[۳۴](#) 2019

Advanced Biomedical Research 8

- 4-[In vitro effect of the histone deacetylase inhibitor valproic acid on viability and apoptosis of the PLC/PRF5 human hepatocellular carcinoma cell line](#) [۳۱](#) 2018
M Sanaei, F Kavooosi, A Roustazadeh, H Shahsavani
Asian Pacific journal of cancer prevention: APJCP 19 (9), 2507
- 5-[Inhibitory effect of genistein on PLC/PRF5 hepatocellular carcinoma cell line](#) [۳۱](#) 2015
MN Dastjerdi, F Kavooosi, A Valiani, E Esfandiari, M Sanaei, S Sobhanian, ...
International Journal of Preventive Medicine 6
- 6-[Genistein and trichostatin a induction of estrogen receptor alpha gene expression, apoptosis and cell growth inhibition in hepatocellular carcinoma HepG 2 cells](#) [۲۹](#) 2017
M Sanaei, F Kavooosi, H Salehi
Asian Pacific journal of cancer prevention: APJCP 18 (12), 3445
- 7-[Effect of Curcumin and Trichostatin A on the Expression of DNA Methyltransferase 1 in Hepatocellular Carcinoma Cell Line Hepa 1-6.](#) [۲۷](#) 2018
M Sanaei, F Kavooosi
Iranian Journal of Pediatric Hematology & Oncology 8 (4)
- 8-[Effects of genistein and synergistic action in combination with tamoxifen on the HepG2 human hepatocellular carcinoma cell line](#) [۲۶](#) 2017
M Sanaei, F Kavooosi, S Atashpour, S Haghghat
Asian Pacific Journal of Cancer Prevention: APJCP 18 (9), 2381
- 9-[Medical and dental applications of nanomedicines](#) [۲۴](#) 2018
F Kavooosi, F Modaresi, M Sanaei, Z Rezaei
Apmis 126 (10), 795-803
- 10-[Effect of genistein on apoptosis and proliferation of hepatocellular Carcinoma Hepa1-6 Cell Line](#) [۲۳](#) 2018
M Sanaei, F Kavooosi, A Valiani, MA Ghobadifar
International journal of preventive medicine 9
- 11-[Effects of 5-aza-2'-deoxycytidine and valproic acid on epigenetic-modifying DNMT1 gene expression, apoptosis induction and cell viability in hepatocellular carcinoma WCH-17 ...](#) [۲۲](#) 2019
M Sanaei, F Kavooosi
Iranian Journal of Pediatric Hematology & Oncology
- 12-[Comparative Analysis of the Effects of Valproic Acid and Tamoxifen on Proliferation, and Apoptosis of Human Hepatocellular Carcinoma WCH 17 CellLine.](#) [۲۱](#) 2018
M Sanaei, F Kavooosi
Iranian Journal of Pediatric Hematology & Oncology 8 (1)
- 13-[Genistein potentiates the effect of 17-beta estradiol on human hepatocellular carcinoma cell line](#) [۲۰](#) 2016
MGH Fraidoon Kavooosi¹, Mehdi Nikbakht Dastjerdi², Ali Valiani², Ebrahim ...
Adv Biomed Res
- 14-[Investigation of the effect of zebularine in comparison to and in combination with trichostatin A on p21Cip1/Waf1/Sdi1, p27Kip1, p57Kip2, DNA methyltransferases and histone ...](#) [۱۸](#) 2020
M Sanaei, F Kavooosi

- Asian Pacific journal of cancer prevention: APJCP 21 (6), 1819
- 15-[Effect of zebularine in comparison to and in combination with trichostatin A on CIP/KIP family \(p21Cip1/Waf1/Sdi1, p27Kip1, and p57Kip2\), DNMTs \(DNMT1, DNMT3a, and DNMT3b ...](#) [۱۷](#) 2020
- M Sanaei, F Kavooosi
Asian Pacific Journal of Cancer Prevention: APJCP 21 (7), 2131
- 16-[Effect of valproic acid in comparison with vorinostat on cell growth inhibition and apoptosis induction in the human colon cancer SW48 cells in vitro](#) [۱۷](#) 2018
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- 17-[Effect of curcumin in comparison with trichostatin A on the reactivation of estrogen receptor alpha gene expression, cell growth inhibition and apoptosis induction in ...](#) [۱۶](#) 2020
- M Sanaei, F Kavooosi, M Arabloo
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- 18-[The effect of 5-aza-2'-deoxycytidine in combination to and in comparison with vorinostat on DNA methyltransferases, histone deacetylase 1, glutathione S-transferase 1 and ...](#) [۱۶](#) 2020
- M Sanaei, F Kavooosi, Z Esmi
International Journal of Hematology-Oncology and Stem Cell Research 14 (1), 45
- 19-[Effect of valproic acid and zebularine on SOCS-1 and SOCS-3 gene expression in colon carcinoma SW48 cell line](#) [۱۳](#) 2020
- M Sanaei, F Kavooosi, H Behjoo
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- 20-[Effect of Genistein and 17-β Estradiol on the Viability and Apoptosis of Human Hepatocellular Carcinoma HepG2 cell line](#) [۱۳](#) 2017
- M Sanaei, F Kavooosi, M Pourahmadi, SN Moosavi
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- 21-[Effect of DNA methyltransferase in comparison to and in combination with histone deacetylase inhibitors on hepatocellular carcinoma HepG2 cell line](#) [۱۰](#) 2019
- M Sanaei, F Kavooosi
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- 22-[Investigation of the Effect of 5-Aza-2'-Deoxycytidine on p15INK4, p16INK4, p18INK4, and p19INK4 Genes Expression, Cell Growth Inhibition, and Apoptosis Induction in ...](#) [۷](#) 2020
- M Sanaei, F Kavooosi, A Ghasemi
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- 23-[Effect of 5-aza-2'-deoxycytidine on p16INK4a, p14ARF, p15INK4b Genes Expression, Cell Viability, and Apoptosis in PLC/PRF5 and MIA Paca-2 Cell Lines.](#) [۷](#) 2019
- M Sanaei, F Kavooosi, M Mohammadi, M Khanezad
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- 24-[Effect of vorinostat on INK4 family and HDACs 1, 2, and 3 in pancreatic cancer and hepatocellular carcinoma](#) [۵](#) 2021
- M Sanaei, F Kavooosi
Research in Pharmaceutical Sciences 16 (3), 260

- 24-[Effect of Zebularine on p16INK4a, p14ARF, p15INK4b, and DNA Methyltransferase 1 Gene Expression, Cell Growth Inhibition, and Apoptosis Induction in Human Hepatocellular ...](#) Δ 2020
M Sanaei, F Kavooosi, F Hosseini
Iranian Journal of Pharmaceutical Research: IJPR 19 (4), 193
- 25-[Comparative analysis of the effects of 17-beta estradiol on proliferation, and apoptosis in hepatocellular carcinoma Hep G2 and LCL-PI 11 cell lines](#) Δ 2018
M Sanaei, F Kavooosi, F Dehghani
Asian Pacific Journal of Cancer Prevention: APJCP 19 (9), 2637
- 26-[Effect of valproic acid on proliferation and apoptosis of colon cancer HT 29 cell line](#) Δ 2016
M Sanaei, F Kavooosi, S Atashpour
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- 27-[Apoptotic effect of genistein on hepatocellular carcinoma HepG 2 cell line](#) Δ 2016
M Sanaei, F Kavooosi, M Arezoo
Global Journal of Medicine Researches and Studies 3 (1), 1-8
- 27-[Access to a Three Dimentional Osteoblasts Culture in Iran.](#) Δ 2010
A Rabie, E Esfandiari, M Fesharaki, M Sanaie, B Aminmansur, ...
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- 28-[Effect of 5'-fluoro-2'-deoxycytidine and sodium butyrate on the genes of the intrinsic apoptotic pathway, p21, p53, cell viability, and apoptosis in human hepatocellular ...](#) Ƴ 2021
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- 29-[Effect of Decitabine \(5-aza-2'-deoxycytidine, 5-aza-CdR\) in Comparison with Vorinostat \(Suberoylanilide Hydroxamic Acid, SAHA\) on DNMT1, DNMT3a and DNMT3b, HDAC 1-3, SOCS 1 ...](#) Ƴ 2021
M Sanaei, F Kavooosi, M Pourahmadi
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- 30-[Effect of Trichostatin A on histone deacetylases 1, 2 and 3, p21Cip1/Waf1/Sdi1, p27Kip1, and p57Kip2 gene expression in breast cancer SK-BR-3 cell line](#) Ƴ 2020
M Sanaei, F Kavooosi
Asian Pacific Journal of Cancer Biology 5 (2), 57-62
- 31-[Effect of 5-aza-2'-deoxycytidine on estrogen receptor alpha/beta and DNA methyltransferase 1 genes expression, apoptosis induction, and cell growth prevention of the colon ...](#) Ƴ 2020
M Sanaei, F Kavooosi
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- 33-[Effects of trichostatin A on the intrinsic and extrinsic apoptotic pathway, cell viability, and apoptosis induction in hepatocellular carcinoma cell lines](#) Ƴ 2021
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- 34-[Investigation of the Effect of 5-Aza-2'-Deoxycytidine in Comparison to and in Combination with Trichostatin A on P16INK4a, P14ARF, P15INK4b Gene Expression, Cell Growth ...](#) ۳ 2021
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M Sanaei, F Kavooosi, H Sahraeian
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- 36-[Effect of 5-aza-2'-deoxycytidine on p27Kip1, p21Cip1/Waf1/Sdi1, p57Kip2, and DNA methyltransferase 1 genes expression, cell growth inhibition and apoptosis induction in colon ...](#) ۳ 2020
M Sanaei, F Kavooosi, S Nasiri
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- 37-[Profound inhibitory and apoptotic effects of histone deacetylase inhibitor valproic acid on different cancers](#) ۳ 2019
M Sanaei, F Kavooosi
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- 38-[The effect of valproic acid on intrinsic, extrinsic, and JAK/STAT pathways in neuroblastoma and glioblastoma cell lines](#) ۳ 2022
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- 39-[Effect of sodium butyrate on p16INK4a, p14ARF, p15INK4b, class I HDACs \(HDACs 1, 2, 3\) class II HDACs \(HDACs 4, 5, 6\), cell growth inhibition and apoptosis induction in ...](#) ۳ 2022
M Sanaei, F Kavooosi
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- 40-[Effect of Zebularine in Comparison to Trichostatin A on the Intrinsic and Extrinsic Apoptotic Pathway, Cell Viability, and Apoptosis in Hepatocellular Carcinoma SK-Hep 1, Human ...](#) ۳ 2021
M Sanaei, F Kavooosi
Iranian Journal of Pharmaceutical Research: IJPR 20 (3), 310
- 41-[Apoptotic Effect of Tamoxifen on Hepatocellular Carcinoma HepG 2 Cell Line](#) ۳ 2016
M Sanaei, F Kavooosi, S Rakhshandehroo
Global Journal of Medicine Researches and Studies 3 (1), 9-14
- 42-[Determination and comparison rate of expression markers of osteoblast derived of Adipose derived stem cells markers in monolayer and pellet culture models](#) ۳ 2015
B Hashemibeni, F Sadeghi, V Bahrambeigi, M Sanaei, E Sharifi, A Valiani, ...
International Journal of Engineering Research and Development 11 (1)
- 43-[Effects of valproic acid on SOCS-1, SOCS-2, SOCS-3, SOCS-5, SOCS6, and SOCS-7 gene expression and cell growth inhibition in colon carcinoma](#) ۳ 2022
M Sanaei, F Kavooosi, M Safarzadeh
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- 44-[Effect of valproic acid on extrinsic \(DR4, DR5, FAS, FAS-L, TRAIL\) and intrinsic](#) ۳ 2021

- [\(BAX, BAK and APAF1, Bcl-2, and Bcl-xL\) apoptotic pathways, cell viability and apoptosis in ...](#)
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Feyz, Journal of Kashan University of Medical Sciences 24 (6), 601-609
- 45-[Histone Deacetylase Inhibitors, Intrinsic and Extrinsic Apoptotic Pathways, and Epigenetic Alterations of Histone Deacetylases \(HDACs\) in Hepatocellular Carcinoma](#) 2021
M Sanaei, F Kavooosi
Iranian Journal of Pharmaceutical Research: IJPR 20 (3), 324
- 46-[Effect of Genistein on DNMT1 Gene Expression and Cell Proliferation of Hepatocellular Carcinoma HepG2 Cell Line](#) 2017
M Sanaei, F Kavooosi, A Roustazadeh, F Golestan
Global Journal of Medicine Researches and Studies 4 (1), 1-6
- 47-[Untold Aspects of Accountability in Curriculum: social Accountability from the Experiences of Providers and Receivers in the Health System](#) 2016
SR Masumeh Sanaei, Leili Mosalanejad
International Journal of Nursing Education 8 (2), 163-168
- 48-[Inhibitory effect of genistein on PLC/PRF5 hepatocellular carcinoma cell line](#) 2015
DM NIKBAKHT, F Kavooosi, A Valiani, E Esfandiari, M Sanaei, ...
INTERNATIONAL JOURNAL OF PREVENTIVE MEDICINE 6 (6), 0-0
- 49-[Effects of Trichostatin A on the Histone Deacetylases \(HDACs\), Intrinsic Apoptotic Pathway, p21/Waf1/Cip1, and p53 in Human Neuroblastoma, Glioblastoma, Hepatocellular ...](#) 2023
M Sanaei, F Kavooosi
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- 50-[Effect of 5'-Fluoro-2'-Deoxycytidine and Sodium Butyrate on the Gene Expression of the Intrinsic Apoptotic Pathway, p21, p27, and p53 Genes Expression, Cell Viability, and ...](#) 2023
M Sanaei, F Kavooosi, M Safari
Advanced Biomedical Research 12
- 51-[Effect of Sodium Butyrate and Epigallocatechin-3-Gallate on the Genes Expression of Intrinsic Apoptotic Pathway on PA-TU-8902, CFPAC-1, and CAPAN-1 Human Pancreatic Cancer Cell ...](#) 2022
M Sanaei, F Kavooosi, IP Soufiani
Galen Medical Journal 11, e2248-e2248
- 52-[The Effect of Valproic Acid Drug on the Expression of SOCS1, SOCS3, JAK1, JAK2, STAT3, STAT5A and STAT5B Genes in HepG2 Cell Line Liver Cancer](#) 2022
M Sanai Jahormi, F Kaousi
Armaghane Danesh 27 (3), 336-348
- 53-[Effect of 5'-fluoro-2'-deoxycytidine, 5-azacytidine, and 5-aza-2'-deoxycytidine on DNA Methyltransferase 1, CIP/KIP Family, and INK4a/ARF in Colon Cancer HCT-116 Cell Line](#) 2021
M Sanaei, F Kavooosi
International Journal of Cancer Management 14 (12)
- 54-[خاموش شدن ژن به روش ایپی ژنتیک در شروع و پیشرفت سرطان کولورکتال](#) 2021

کاووسی، سنایی

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- 55-[Effects of trichostatin A on FHIT and WWOX genes expression, cell growth inhibition and apoptosis induction in hepatocellular carcinoma WCH 17 cell line](#) 2021
M Sanaei, F Kavousi, H Karami
Brazilian Journal of Pharmaceutical Sciences 57
- 56-[The Effect of Eight Weeks of Royal Jelly Consumption on Some of Apoptotic Indicators in Trimethyltin-Induced Alzheimer's Mice](#) 2021
M Azimpour, M Fathi, O Dezfulian
Armaghane Danesh 26 (3), 307-323
- 57-[Evaluation of the Effect of Valproic Acid on JAK/STAT Pathway, SOCS1, SOCS3, Bcl-xL, c-Myc, and Mcl-1 Gene Expression, Cell Growth Inhibition and Apoptosis Induction in Human ...](#) 2021
M Sanaei Jahromi, F Kavousi
Armaghane Danesh 26 (3), 324-337
- 58-[Epigenetic gene silencing in colorectal cancer initiation and progression, review article](#) 2021
F KAVOOSI, M SANAEI
MEDICAL JOURNAL OF MASHHAD UNIVERSITY OF MEDICAL SCIENCES 64 (400516), 3416-3426
- 59-[Effect of 5'-fluoro-2'-deoxycytidine, 5-azacytidine, and 5-aza-2'-deoxycytidine on DNA Methyltransferase 1, CIP/KIP Family, and INK4a/ARF in Colon Cancer HCT-116 Cell Line](#) 2021
M Sanaei, F Kavousi
INTERNATIONAL JOURNAL OF CANCER MANAGEMENT (IRANIAN JOURNAL OF CANCER ...
- 60-[Effect of 5-fluoro-2'-deoxycytidine \(FdCyd\) on p16INK4a, p14ARF, p15INK4b, and DNA methyltransferase 1, 3a, and 3b Genes Expression, Apoptosis Induction, and Cell Growth ...](#) 2021
M Sanaei, F Kavousi
Iranian Journal of Pediatric Hematology & Oncology 11 (1)
- 61-[Effect of 5-Azacytidine on the Cell Growth Inhibition and Apoptosis Induction Lung Cancer A549 Cell Line](#) 2020
M Sanaei Jahromi, F Kavousi
Armaghane Danesh 25 (5), 630-641
- 62-[Effect of trichostatin A on histone deacetylase 1 \(HDAC 1\) and CIP/KIP \(p21CIP1/WAF1, p27KIP1, and p57KIP2\) gene expression, cell growth inhibition and apoptosis induction in ...](#) 2020
M Sanaei, F Kavousi
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- 63-[DNA methylation of tumor suppressor genes in hepatocellular carcinoma.](#) 2020
M Sanaei, F Kavousi, F Modaresi
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- 64-[The role of histone deacetylases in human gastrointestinal and associated glands](#) 2019

cancer

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65-Effect of combined DNA methyltransferase and histone deacetylase inhibitors on hepatocellular carcinoma HepG2 cell line

2017

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2017

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67-Effect of 17- β estradiol on Proliferation and Apoptosis of Hepatocellular Carcinoma HepG 2 Cell Line

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2017

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69-Effect of Curcumin on Apoptosis and Proliferation of Human Hepatocellular Carcinoma WCH-17 Cell Line

2016

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70-Phytoestrogens and Hepatocellular Carcinoma Chemoprevention

2014

M Sanaei, F Kavooosi

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71-ACCESS TO A THREE DIMENTIONAL OSTEOBLASTS CULTURE IN IRAN

2010

AA RABIEI, E ESFANDIARI, M FESHARAKI, M SANAEI, MB AMIN, ...

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72-دستیابی به کشت سه بعدی سلول‌های استئوبلاست مشتق از کالواریای انسانی در ایران

2009

مجله دانشکده پزشکی اصفهان ۲۷ (۱۰۲), ۷۷۷-۷۸۷

II. Books

1-Human anatomy for medical students and related groups.F kavooosi,M sanaei, 1397,Gorgan, Noroozi

2-خداشناسی از دیدگاه علوم تشریحی، فریدون کاوسی، معصومه سنایی، ۱۳۹۵، انتشارات نوروزی-

3-آناتومی قلب به نظم و نثر ، فریدون کاوسی، معصومه سنایی، ۱۳۹۵، انتشارات امید تهران -

Presentations

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Participation in Conferences and Seminars

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A.

Project Guidance and Supervision