

CURRICULUM VITAE

CONTACT INFORMATION:

Name: Yousef Rasmi
Address: Department of Biochemistry, Urmia University of medical science
Telephone: +984432770698
Cell Phone: +989143174740
Email : rasmiy@umsu.ac.ir
yrasmi@gmail.com

PERSONAL INFORMATION:

Citizenship: Iranian
Education: PhD (clinical biochemistry)
Sex: Male

EMPLOYMENT HISTORY:

- Associate professor in Urmia University of medical sciences (2006).
- Assistant professor in Urmia University of medical sciences.
- Professor in Urmia University of medical sciences (from 2014).

- **EDUCATIONAL & TEACHING EXPERIENCE**

- Clinical Biochemistry: For Medicine, Nursing, Laboratory Sciences Students. Urmia Medical Sciences University (from 1997).
- Biochemistry: For Students Medical Sciences, Urmia University, Urmia, Iran.
- (1998-present).
- Laboratory Methods in Biochemistry: For student of Clinical Biochemistry (M.Sc and PhD), Urmia Medical Sciences university, Urmia, Iran (from 2000)
- Chemistry: For Students of Environmental Health. Urmia University, Urmia, Iran (1998-2000).

- **EDITOR of:**

- Journal of Molecular Genetics
- Research Journal of Medical Sciences
- International Journal of Molecular Medicine and Advance Sciences
- Research Journal of Biological Sciences

- **TECHNICAL EDITOR of**

- Trends in Medical Research
- Trends in Molecular Sciences
- Pakistan Journal of Biological Sciences
- Asian Journal of Biological Sciences
- Journal of Biological Sciences

EDUCATION:

- Scholarship in the Department of Pathology at the JCU, Townsville, Australia.
- Study of clinical biochemistry (Ph.D) at Tarbiat Modares University (TMU), Tehran, Iran (2006). Thesis title: Relationship between glutathione S-transferase-pi mRNA expression and cyclooxygenase-2 activity in tissue biopsies obtained from esophagitis, Barrett's esophagus and esophageal carcinoma patients.
- Lecturer, Department of Clinical Biochemistry and Nutrition, Faculty of Medicine, Urmia Medical Sciences University, Urmia, Iran (1998-2000).
- Study of clinical biochemistry (MS.c) at Tarbiat Modares University (TMU), Tehran, Iran (1994-1997). Thesis title: Thyroid Hormones and TSH status in breast cancer patients and their correlation with ER and PgR.
- Study of Chemistry (BSc), Faculty of Chemistry, Tabriz University, Tabriz, Iran (1990-1994).

RESAERCHS:

1. Fabrication and characterization of mesoporous silica nanoparticles based on gold nanoparticles coated with hyaluronic acid and loaded with curcumin for use in colorectal cancer treatment
2. Synthesis and fabrication of Nano-fibrous scaffolds loaded with Gold nanoparticles and mesoporous silica nanoparticles containing quercetin.
3. Evaluating the effects of polycaprolactone nanoparticles loaded with capecitabine on programmed cell death in human colorectal cancer cells and investigating its synergistic effects with pioglitazone.
4. Investigating the effects of exosomes derived from menstrual blood mesenchymal stem cells on the expression of genes affecting apoptosis, migration and angiogenesis in breast cancer cells SKBR-3 and MDA-MB-231.
5. Evaluation of the synergistic effects of evening primrose oil extract and doxorubicin on the expression of caspase 3 and MMP9 genes in human breast cancer cells (MCF-7 cell line).
6. Evaluation of the effect of evening primrose oil on the serum level of omentin-1 and some biochemical factors in rats treated with streptozotocin.
7. Community Verified icon Studying the effect of silymarin on biochemical and pathological changes in mice with 1,2 Dimethylhydrazine-induced colorectal cancer treated with Capecitabine and Irinotecan.
8. Investigating the effect of suppressing the alpha-7 nicotinic acetylcholine receptor gene on sensitization of liver cancer cells to sorafenib.
9. Comparison of ossification induction potential of freeze-dried mineralized bone allograft and synthesized hydroxyapatite in laboratory conditions.
10. Evaluation of gene expression and serum levels of interleukin 17 and 22 (IL-17, IL-22) in mild and severe SARS-CoV-2 patients referred to medical training centers affiliated to Urmia University of Medical Sciences.
11. The effects of single and double combinations of lupeol, doxorubicin and 17-AAG on cell viability, apoptosis and invasive potential in MDA-MB-231 and MCF-7 breast cancer cell lines as well as normal fibroblast cells.
12. Effects of simultaneous use of imatinib-celecoxib and imatinib-dimethylcellocox on the expression of NF- κ B and VEGF expression in HT-29 cell line Colorectal cancer.
13. The Effects of Simultaneous Use of Imatinib-Celecoxib and Imatinib-Dimethyl-Celecoxib on Expression of Cyclooxygenase -2 and Caspase 3 in the HT-29 Cell Line of Colorectal Cancer.

14. Comparison of blood concentration of zinc, copper and magnesium in diabetic patients, their first degree relatives and healthy control group.
15. The effects of imatinib on the amount of phosphorylation of the growth factor receptor derived from α and β -platelet and testosterone in mouse mice (TM3) cells.
16. Evaluation of the effects of imatinib on platelet-derived growth factor-factor and stem cell factor in cultured mice of Leydig and Sertoli cells.
17. Study of relationship between ABO and Rh blood groups with cardiac syndrome and coronary artery disease.
18. Comparison of polymorphism frequency in alleles -1306 C/T of MMP2 gene and -799 C/T of MMP8 gene between women suffering from breast cancer and healthy women in west and east azarbaijan province.
19. The effect of imatinib-celecoxib and imatinib-dimethylcelecoxib co-treatments on the expression of NF- κ B and VEGF in HT-29 cell line of colorectal cancer.
20. The effect of imatinib-celecoxib and imatinib-dimethylcelecoxib co-treatments on the expression of COX-2 and caspase3 in HT-29 cell line of colorectal cancer.
21. The effect of Imatinib on phosphorylation level of platelet derived growth factor alpha and beta and Testosterone hormone in cultured mouse leydig cells (TM3).
22. Effects of Imatinib on the expression of platelet derived growth factor and Stem cell factor in cultured mouse Sertoli and Leydig cells.
23. Comparrision of zinc, copper and magnesium concentration in blood of diabetic patients, their first degree relatives and normal healthy group.
24. Study of Relationship between ABO blood groups and Rhesus status with Cardiac Syndrome X and Coronary Artery Disease.
25. Metallothionein 1M gene exon 2 polymorphism and screening the metallothionein 1G polymorphisms in men with unknown infertility refered to Ebne Sina infertility research center compared with healthy fertile men.

PUBLICATIONS:

1. Review of the relationship between growth hormone and SARS-CoV-2 infection. **Y Rasmi**, KK Kırboğa, N Roshanravan, B Tekin, L Jalali, F Ghazizadeh. Future Virology 2025; 20 (5), 171-185.
2. Neurofilament light chain as a biomarker for neurodegenerative changes in COVID-19 and clinical implications. Y Rasmi, Y Farnamian, MM Boras, N Inandiklioglu, CA Shirima, L Jalali. Future Virology 2025; 20 (3-4), 125-139.
3. Single-cell Technology in Stem Cell Research. A Golchin, F Shams, F Moradi, AE Sadrabadi, S Parviz, S Alipour, Ranjbarvan P, Hemmati Y, Rahnema M, Rasmi Y, Shiva Gholizadeh-Ghaleh Aziz. Current Stem Cell Research & Therapy 2025; 20 (1), 9-32.
4. Green hydrothermal synthesis of gallic acid carbon dots: characterization and cytotoxic effects on colorectal cancer cell line. Y Ebrahimi, J Rezaie, A Akbari, Y Rasmi. Biomedical Physics & Engineering Express 11 (1), 015017.
5. Herbal-based therapeutics for diabetic patients with SARS-Cov-2 infection. Y Rasmi, I di Bari, S Faisal, M Haque, P Aramwit, A da Silva, ... Molecular Biology Reports 2024: 51 (1), 316
6. Potential use of *CRISPR/Cas13* system for vaccine development against various RNA-viral infectionsB Mohanty, RA Mir, A Priyadarshini, KA Bhat, S Barati, ER Asl, JR Choi, ...Future Virology, 2024: 1-18

7. DEVELOPMENT AND EVALUATION OF NOVEL PIOGLITAZONE DRUG DELIVERY SYSTEM IN DIABETIC WISTAR RAT MODEL. M Azemoodeh, A Shirpoor, Y Rasmi, A Fathi Azarbayjani Studies in Medical Sciences 2024: 35 (6), 492-501
8. Synthesis of metformin-derived fluorescent quantum dots: uptake, cytotoxicity, and inhibition in human breast cancer cells through autophagy pathway
A Akbari, M Nemati, ZM Lighvan, FN Khanamiri, J Rezaie, Y Rasmi. Journal of Biological Engineering 2024:18 (1), 38
9. The role of miR-143/miR-145 in the development, diagnosis, and treatment of diabetes. Y Rasmi, YA Mohamed, S Alipour, S Ahmed, SS Abdelmajed. Journal of Diabetes & Metabolic Disorders 2024: 23 (1), 39-47
10. Effect of N-doped carbon dots on AKT-1 gene expression in colorectal cancer
Y Rasmi, M Nemati, T Hallaj, J Rezaei. Clinica Chimica Acta 2024: 558, 117907
11. Polycaprolactone/graphene oxide/magnesium oxide as a novel composite scaffold for bone tissue engineering: Preparation and physical/biological assessment. Z Niknam, AF Azarbayjani, SM Rafiaei, Y Rasmi, L Tayebi. Journal of Drug Delivery Science and Technology 2024: 95, 105531
12. Marine Natural Products as a Bioresource for Cosmeceuticals. Y Rasmi, KK Kirboğa, T Rao, M Ali, MZ Ahmed 2024:
13. Organic-based nanomaterials for regenerative medicine
Z Niknam, FH Zadeh, S Toosi, NKH Shoreh, Y Rasmi, I Saleem Handbook of Nanomaterials, 2024: Volume 2, 359-400
14. Assessment of the relationship between the dopaminergic pathway and severe acute respiratory syndrome coronavirus 2 infection, with related neuropathological features, and ...Y Rasmi, A Shokati, S Hatamkhani, Y Farnamian, R Naderi, L Jalali Reviews in Medical Virology 2024: 34 (1), e2506
15. Turmeric starch: structure, functionality, and applications
Y Rasmi, KK Kirboğa, B Tekin, M Demir Non-Conventional Starch Sources, 2024: 377-405
16. Association of Helicobacter Pylori Infection with Endothelial Dysfunction in Metabolic SyndromeY Rasmi, MH Khadem-Ansari, N Valizadeh, F Valipour, M Nemati, ...Sudan Journal of Medical Sciences (SJMS), 2023: 418–427-418–427
17. Combination chemotherapy against colorectal cancer cells: Co-delivery of capecitabine and pioglitazone hydrochloride by polycaprolactone-polyethylene glycol carriers. FD Pouya, R Salehi, Y Rasmi, F Kheradmand, A Fathi-Azarbayjani
Life Sciences 2023:332, 122083
18. Serum levels of interleukin-10 and its receptor in the multiple myeloma type I patients. M Rajabzadeh, F Khardmand, Y Rasmi, Z Gholinejad. Journal of Research in Applied and Basic Medical Sciences 2023:9 (4), 193-199
19. Potentiation of cefotaxime against methicillin-resistant *Staphylococcus aureus* (MRSA) with the application of a novel adjuvant F Asghari-Sana, S Khoshbakht, Y Rasmi, AF Azarbayjani. Macromolecular Research 2023:31 (10), 971-980
20. Alantolactone triggers oxeiptosis in human ovarian cancer cells via Nrf2 signaling pathway M Nasirzadeh, SA Hajipirloo, SGG Aziz, Y Rasmi, G Babaei, S Alipour
Biochemistry and Biophysics Reports 35, 101537
21. The effects of prolactin on the immune system, its relationship with the severity of COVID-19, and its potential immunomodulatory therapeutic effect
Y Rasmi, L Jalali, S Khalid, A Shokati, P Tyagi, A Ozturk, A Nasimfar
Cytokine 2023:169, 156253

22. Gold nanoparticle-based strategies against SARS-CoV-2: A review
Y Rasmi, KK Kırboğa, J Khan, E Gupta, F Mostafa, MM Yallapu, *Reviews on Advanced Materials Science* 2023;62 (1), 20230105
23. The role of probiotics in tissue engineering and regenerative medicine
A Golchin, P Ranjbarvan, S Parviz, A Shokati, R Naderi, Y Rasmi, S Kiani, ...*Regenerative Medicine* 2023;18 (8), 635-657
24. Laboratory methods: A concise review and update for COVID-19 diagnosis
M Nemati, A Jafari, Y Ebrahimi, A Golchin, FD Pouya, M Rezaei-Tavirani, ...*Cell Biochemistry and Function* 2023;41 (4), 413-422
25. The role of DNA methylation in progression of neurological disorders and neurodegenerative diseases as well as the prospect of using DNA methylation inhibitors as therapeutic ...Y Rasmi, A Shokati, A Hassan, SGG Aziz, S Bastani, L Jalali, F Moradi, ...*IBRO Neuroscience Reports* 2023;14, 28-37
26. Nitrogen and copper-doped saffron-based carbon dots: Synthesis, characterization, and cytotoxic effects on human colorectal cancer cells
M Nemati, T Hallaj, J Rezaie, Y Rasmi *Life Sciences* 2023;319, 121510
27. BAY 11-7082: An Anti-inflammatory Drug for COVID-19. M Nemati, FD Pouya, ER Asl, Y Rasmi. *Sudan Journal of Medical Sciences* 18 (1), 117-120
28. Therapeutic application of mesenchymal stem cells-derived extracellular vesicles in colorectal cancer M Nemati, Y Rasmi, J Rezaie. *Biocell* 47 (3), 455-464
29. Dietary compounds as inhibitors of DNA methyltransferases
Y Rasmi, J Khan, K Ghoshal, B Daei-Hasani *Role of nutrigenomics in modern-day healthcare and drug discovery*, 2023:359-386
30. 7 Dietary Polyphenols in Diabetes Y Rasmi, S Rafique, Q Babar, B Daei-Hasani, Y Farnamian. *Dietary Polyphenols in Human Diseases: Advances and Challenges in Drug Discovery*; 2022.
31. Biochemical, molecular, pharmacokinetic, and toxicological aspects of dietary polyphenols Y Rasmi, APG da Silva, S Rezaei, S Rafique, MZ Ahmed. *Dietary polyphenols in human diseases*, 2022:27-52
32. Protective effects of betaine on isoprenaline-induced myocardial infarction mediate via apoE, Bcl-2 and anti-oxidative agents in rat model. S Ghodrati-zadeh, Z Gholinejad, MH Khadem Ansari, Y Rasmi. *Journal of Basic and Clinical Veterinary Medicine* , 2022;3 (2), 69-76
33. The potential role of microRNA-155 in Neurodegenerative diseases with a focus on Alzheimer's disease .Y Rasmi, A Shokati, A Rahimi, SGG Aziz, Y Farnamian, A Hassan, ... , 2022:
34. Potential therapeutic options for COVID-19: an update on current evidence
Z Niknam, A Jafari, A Golchin, F Danesh Pouya, M Nemati, ...*European journal of medical research* , 2022;27, 1-15
35. Saffron: A Functional Food with Potential Molecular Effects
Y Rasmi, E Salazar, E Gupta, B Daei-Hasani, M Calderón-Juárez. *Molecular Mechanisms of Functional Food* , 2022:453-484
36. Advances in metal-organic frameworks (MOFs) based Biosensors for diagnosis: an updateG Ashraf, T Ahmad, MZ Ahmed, Murtaza, Y Rasmi *Current Topics in Medicinal Chemistry* , 2022;22 (27), 2222-2240
37. Recent advances and challenges in graphene-based nanocomposite scaffolds for tissue engineering application. Z Niknam, F Hosseinzadeh, F Shams, L Fath-Bayati, G Nuoroozi, ...
Journal of Biomedical Materials Research Part A , 2022;110 (10), 1695-1721

38. Ethanol consumption promotes TNF- α signaling pathway in rat kidney: rescue effect of curcumin. AA Fard, M Samadi, A Shirpoor, Y Rasmi , 2022:
39. Development of gold nanoparticle-based biosensors for COVID-19 diagnosis
J Khan, Y Rasmi, KK Kırboğa, A Ali, M Rudrapal, RR Patekar. Beni-Suef University Journal of Basic and Applied Sciences , 2022:11 (1), 111
40. Maternal Ethanol Exposure Impairs the Kidney of Offspring by Alteration of Podocyte Proteins Genes Expression and Fibrosis.FN Majd, A Shirpoor, AT Afshari, F Kheradmand, R Naderi, M Pourjabali, ...Journal of Kerman University of Medical Sciences , 2022:29 (5)
41. Serum levels of interleukin-1 β and disease progression in multiple myeloma patients: a case and control study. S Teimuri Nobari, Y Rasmi, MH Khadem Ansari. Asian Pacific Journal of Cancer Prevention , 2022:23 (9), 2937-2942
42. Carbon quantum dots may interfere with colorectal cancer treatment through affecting on glutamine metabolism. M Nemati, F Danesh Pouya, F Zarein, M Nemati, Y Rasmi, J Rezaie, ... Health Biotechnology and Biopharma (HBB) , 2022:6 (2), 1-5
43. Influence of Maternal Ethanol Exposure on Systemic Hemodynamic Variables and Histopathological Changes in the Aorta Wall of Male Rat Offspring: A Three-month Follow-up. H Soraya, S Sheikholeslami, A Shirpoor, FN Majd, R Naderi, Y Rasmi. Iranian Journal of Medical Sciences , 2022:47 (5), 468
44. Biomarker based biosensors: An opportunity for diagnosis of COVID-19
R Khaksarinejad, Z Arabpour, L RezaKhani, F Parvizpour, Y Rasmi. Reviews in medical virology , 2022:32 (5), e2356
45. Alpha7 nicotinic acetylcholine receptor expression in Sorafenib-resistant hepatocellular carcinoma cells. MA Nour, F Kheradmand, Y Rasmi, B Baradaran. Medical Oncology , 2022:39 (11), 165
46. Bile acid-based advanced drug delivery systems, bilosomes and micelles as novel carriers for therapeutics. M Nemati, A Fathi-Azarbayjani, H Al-Salami, E Roshani Asl, Y Rasmi. Cell Biochemistry and Function , 2022:40 (6), 623-635.
47. Combination therapy of stem cell-derived exosomes and biomaterials in the wound healing. A Golchin, F Shams, A Basiri, P Ranjbarvan, S Kiani, R Sarkhosh-Inanlou, ...
Stem Cell Reviews and Reports , 2022:18 (6), 1892-1911
48. Signaling pathways involved in 5-FU drug resistance in cancer
F Danesh Pouya, Y Rasmi, M Nemati. Cancer Investigation , 2022:40 (6), 516-543.
49. Cooperative Treatment of Gastric Cancer Using B7-H7 siRNA and Docetaxel; How Could They Modify Their Effectiveness?N Bolandi, MHK Ansari, Y Rasmi, B Baradaran.Advanced Pharmaceutical Bulletin , 2022:13 (3), 573
50. miR-589-5p inhibits cell proliferation by targeting histone deacetylase 3 in triple negative breast cancer.R Rahbari, K Rahimi, Y Rasmi, MH Khadem-Ansari, M Abdi
Archives of medical research , 2022:53 (5), 483-491
51. Molecular signaling pathways, pathophysiological features in various organs, and treatment strategies in SARS-CoV2 infection. Y Rasmi, S Hatamkhani, R Naderi, A Shokati, VN Zadeh, F Hosseinzadeh, ...Acta Histochemica , 2022:124 (5), 151908.
52. Tumor Cells-derived exosomal CircRNAs: Novel cancer drivers, molecular mechanisms, and clinical opportunities. A Vahabi, J Rezaie, M Hassanpour, Y Panahi, M Nemati, Y Rasmi, ...Biochemical Pharmacology , 2022:200, 115038.
53. The importance of neopterin in COVID-19: The prognostic value and relation with the disease severity. Y Rasmi, N Heidari, KK Kırboğa, S Hatamkhani, B Tekin, S Alipour, ...Clinical biochemistry , 2022:104, 1-12.

54. Current advances and challenges in COVID-19 vaccine development: from conventional vaccines to next-generation vaccine platforms. A Jafari, F Danesh Pouya, Z Niknam, M Abdollahpour-Alitappeh, ..Molecular biology reports , 2022:49 (6), 4943-4957
55. MicroRNAs and drug resistance in colorectal cancer with special focus on 5-fluorouracil. FD Pouya, M Gazouli, Y Rasmi, DI Lampropoulou, M Nemati. Molecular Biology Reports , 2022:49 (6), 5165-5178
56. Plant-derived extracellular vesicles: a novel nanomedicine approach with advantages and challenges. M Nemati, B Singh, RA Mir, M Nemati, A Babaei, M Ahmadi, Y Rasmi, ...Cell Communication and Signaling , 2022:20 (1), 69
57. The role of histone deacetylase 3 in breast cancerR Rahbari, Y Rasmi, MH Khadem-Ansari, M AbdiMedical Oncology , 2022:39 (7), 84
58. In vitro human cancer models for biomedical applications. JR Choi, G Kozalak, I Di Bari, Q Babar, Z Niknam, Y Rasmi, KW Yong. Cancers , 2022:14 (9), 2284
59. MicroRNAs as therapeutic targets in breast cancer metastasis. FD Pouya, Y Rasmi, M Gazouli, E Zografos, M Nemati. Drug Delivery and Translational Research , 2022:12 (5), 1029-1046
60. Protective effects of tropisetron on diabetes-induced cardiomyopathy and apoptosis in the left ventricle of rats. R NADERI, A SHIRPOOR, M SAMADI, FN MAJD, Y RASMI, M BAGHERI. Journal of Experimental & Clinical Medicine/Deneysel ve Klinik Tip Dergisi ..., 2022:
61. Significance of cardiac troponins as an identification tool in COVID-19 patients using biosensors: An update. Y Rasmi, OF Mosa, S Alipour, N Heidari, F Javanmard, A Golchin, ...Frontiers in Molecular Biosciences , 2022:9, 821155
62. B7-H7 Suppression Increases the Expression of CTLA-4 and VISTA Genes in Gastric Cancer Cell Line. N Bolandi, MHK Ansari, Y Rasmi, B Baradaran. ImmunoAnalysis , 2022:2 (1), 1-1
63. Functional Nanomaterials. I Saleem, Y Rasmi, L Fath-Bayati, Z Arabpour.Drug Delivery Using Nanomaterials, , 2022:135-154
64. Characterization of nanoparticles: methods and techniques. Y Rasmi, NV Mansoureh. Applications of Nanotechnology in Drug Discovery and Delivery, , 2022:95-116
65. Testing and diagnosis of SARS-CoV-2 infection. Y Rasmi. Coronavirus Drug Discovery, , 2022:49-79
66. Laboratory findings in COVID-19-alterations of hematological, immunological, biochemical, hormonal and other lab panels: a narrative review. Y Rasmi, LPJ Saavedra, MA Cozma, H El-Nashar, S Aly, N Fahmy, ...Journal of Mind and Medical Sciences , 2022:9 (1), 38-55
67. Protective effects of tropisetron on diabetes-induced expression of genes involved in regulation of contractility, cardiomyopathy and apoptosis in the left ventricle of rats. R Naderi, A Shirpoor, M Samadi, F Nezamimajd, Y Rasmi, M Bagheri. Journal of Experimental and Clinical Medicine , 2022:39 (2), 376-382
68. Molecular pathways involved in COVID-19 and potential pathway-based therapeutic targets. M Farahani, Z Niknam, LM Amirabad, N Amiri-Dashatan, M Koushki, ... Biomedicine & Pharmacotherapy , 2022:145, 112420.
69. Nicotinic acetylcholine receptor subunit alpha-7 mediates pd-L1 and ctla-4 expression in Hepg2 cells. M Afrashteh Nour, F Kheradmand, Y Rasmi, Z Asadzadeh, ...ImmunoAnalysis 2021: 1 (1), 10-10
70. Revealed pathophysiological mechanisms of crosslinking interaction of affected vital organs in COVID-19. Y Rasmi, G Babaei, MF Nisar, H Noreen, S Gholizadeh-Ghaleh Aziz. Comparative Clinical Pathology 2021: 30 (6), 1005-1021

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73. MicroRNA-124-3p suppresses PD-L1 expression and inhibits tumorigenesis of colorectal cancer cells via modulating STAT3 signaling. Roshani Asl, E., Rasmi, Y., Baradaran, B. Journal of Cellular Physiology, 2021, 236(10), pp. 7071–7087
74. Interplay between MAPK/ERK signaling pathway and MicroRNAs: A crucial mechanism regulating cancer cell metabolism and tumor progression. Asl, E.R., Amini, M., Najafi, S., ...Rasmi, Y., Baradaran, B. Life Sciences, 2021, 278, 119499
75. Recent progress in nanotechnology for covid-19 prevention, diagnostics and treatment. Rasmi, Y., Saloua, K.S., Nemati, M., Choi, J.R. Nanomaterials, 2021, 11(7), 1788
76. Emerging point-of-care biosensors for rapid diagnosis of COVID-19: current progress, challenges, and future prospects. Rasmi, Y., Li, X., Khan, J., Ozer, T., Choi, J.R. Analytical and Bioanalytical Chemistry, 2021, 413(16), pp. 4137–4159
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BOOK

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- 2- Theoretical and practical guideline of Chemical solutions and Buffers, in Persian; UMSU, 2013.
- 3- Medical Biochemistry, in Persian; UMSU, 2015.
- 4- Industrial Applications for Bioprocessing and Biomanufacturing. [Ayush Madan](#), [Mohd. Tariq Mantosh Kumar Satapathy](#), [Yousef Rasmi](#). Published by IGI Global Scientific Publishing; Sep 2025.

LABORATORY SKILLS

I have experience in ELISA, Western Blot, RNA extraction, DNA purification, PCR-ELISA, IHC, Oxidative stress Methods, PCR, assay and enzyme kinetic, scratch test, angiogenesis test.

COMPUTER SKILLS

- 1-Variou biological software (Gene Runner, Gel Imaging Software, Blast)
- 2-Windows program include Word, Excel, Photoshop, PowerPoint
- 3-SPSS