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1) Diploma in Natural Sciences, Shahrbabak Iran 1984

2) B.Sc. in pure Chemistry from Shahid Chamran University, Ahvaz Iran, 1988

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Research Interests

Opium and cardiovascular disorders.

Pesticides and cancer.

Niosomal delivery systems.

Paper published in refereed journal

A) Article in English

1) **Asadi Karam GR**, Rasaee MJ, Aleagha S , Kumari GL and Rao PN: A specific and one step extraction Radioimmunoassay of testosterone for clinical diagnosis. Medical Journal of the I.R. Iran, 1993, 7,2.

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3) **Asadi Karam GR** and Rasaee MJ: Development of a simple and sensitive Enzyme Linked Immunosorbent Assay for clinical measurement of testosterone using Penicillinase as lable. Medical Journal of the I.R. Iran, 1995, 8, 4,.

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Book published (in Persian)

- 1) Majid Sirati Sabet and **Gholamreza Asadikaram**: General Biochemistry Synopsis. Publication of Qazvin University of Medical Sciences Qazvin, Iran, 2002.
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Patents In Iran:

- 1) Milk cream electro-centrifuge separating system (Ref.No. 32M/21675).
- 2) Niosomal giant unilamellar vesicles by electro-formation (A61K31/00).
- 3) Chimeric recombinant protein for gene delivery (C12N 15/09;C12N15/00;C12N 15/09).
- 4) Niosomal virosome preparation with VSV glycoprotein (VSV-G) for drug, gene, and vaccine delivery. (A61K47/00;A61K47/42).
- 5- Electroformation device for giant vesicle preparation Electro (B01J13/00;C25D 1/00).

مسئولیت‌های اجرایی:

- ۱- معاون آموزشی و پژوهشی دانشکده پزشکی رفسنجان از تاریخ ۱۳۷۲/۱۱/۱۴ تا تاریخ ۷۳/۱۱/۹
- ۲- مدیر گروه بیوشیمی- بیوفیزیک دانشگاه علوم پزشکی رفسنجان از ۱۳۷۳/۷/۲۰ تا تاریخ ۱۳۸۲/۲/۱۸
- ۳- رئیس دانشکده پزشکی رفسنجان از تاریخ ۱۳۸۱/۱۲/۲۷ تا تاریخ ۱۳۸۳/۷/۱۱
- ۴- معاون پشتیبانی دانشگاه علوم پزشکی رفسنجان از تاریخ ۱۳۸۳/۷/۱۱ تا ۱۳۸۵/۱/۲۶
- ۵- معاون غذا و دارو دانشگاه علوم پزشکی رفسنجان از تاریخ ۱۳۸۵/۱/۲۶ تا ۱۳۸۶/۸/۱۳
- ۶- مدیر گروه بیوشیمی-بیوفیزیک دانشگاه علوم پزشکی رفسنجان از ۱۳۸۶/۸/۲۸ تا ۱۳۸۷/۳/۲۸
- ۷- مدیر گروه بیوشیمی بالینی دانشگاه علوم پزشکی کرمان از ۱۳۹۱/۱۱/۲۴ تا کنون

لیست طرح‌ها و پایان‌نامه‌ها (به عنوان استاد راهنما):

- ۱- اثرات تریاک بر آپپتوز سلول‌های مغز و کبد در مو‌ش‌های صحرایی نر و ماده

۲- بررسی شیوع کمبود ویتامین D در دانش آموزان دختر ۱۱-۱۷ ساله شهرستان رفسنجان در زمستان سال ۱۳۸۸

۳- اثرات غلظتهای مختلف تریاک در زمان های مختلف بر آپاپتوز سلول های جورکت در محیط کشت

۴- بررسی اثرات درون تنی و برون تنی غلظتهای مختلف تریاک بر میزان TGF- β و میزان آپوپتوز لوکوسیت های افراد معتاد به تریاک

۵-

۶- بررسی میزان سایتوکاین های IL-4, TGF- β , INF- γ و IL-6 در افراد چاق دیابتی با فشار خون بالا

۷- تأثیر تریاک بر میزان آپوپتوز رده های سلولی مختلف در محیط کشت

۸- بررسی ارتباط میزان IgM ادراری با شاخصهای بیوشیمیایی و تنگی عروق کرونر در افراد مشکوک به بیماری قلبی

۹- ارزیابی اثرات اعتیاد به تریاک بر سطح متیلاسیون پروموتور OPRM1 در لکوسیت های افراد معتاد به تریاک

۱۰- طراحی یک نانو زیست حسگر بر پایه بسامد پلاسمای سطحی نانو ذرات طلا برای تشخیص عفونت ناشی از بروسلا ملی تنسیس در انسان و دام

۱۱- بررسی ارتباط بین سطح پلاسمایی اندوتلین-۱ و پلی مورفیسم ژن آن در بیماران با فشار خون بالا و گرفتگی عروق کرونر

۱۲- بررسی اثرات اعتیاد به تریاک بر میزان پروتئین های BAX، bcl2، FAS، FADD، P53، کاسپاز ۳ و کاسپاز ۸ در لوکوسیت های افراد معتاد به تریاک

۱۳- جداسازی آنزیم لیپاز از سویه های اکتینو مایست محیطی جدا شده از نمونه های خاک شور و معادن نمک جنوب کشور

لیست پایان نامه های دکتری تخصصی (به عنوان استاد راهنما):

۱- بررسی میزان بیان مولکولهای Inflammasome و مولکولهای پایین دست آنها و فاکتورهای بیوشیمیایی خون در بیماران مبتلا به مولتیپل اسکروزیس فرم Relapse-Remitting قبل و بعد از درمان با ترکیبات مختلف اینترفرون

۲- طراحی یک ناقل هیبریدی نیوزوم-VSVG و بررسی اثر آن در انتقال و بیان ژن GDNF در مدل برون تنی بیماری پارکینسون

۳- ارتباط بین برخی سموم ارگانوکلره استفاده شده در کشاورزی با تغییرات اپی ژنتیک در سرطان های سینه، کولورکتال ، مئانه، تیروئید، خون و معده در استان کرمان در سال های ۱۳۹۴ تا ۱۳۹۸ (در قالب ۸ طرح

دو پایان نامه ارشد و پنج پایان نامه دکتری مجزا)

۴- ارزیابی میزان سموم ارگانو کلره و ارگانو فسفره در خون ۱- کشاورزان، ۲- خانواده کشاورزان و ۳- فرزندان ۶ تا ۱۱ سال کشاورزان شهرستان جیرفت در سال ۱۳۹۷ (در قالب سه طرح و سه پایان نامه

ارشد مجزا)

۵- ارزیابی اثر نانوذرات مس و نقره بر میزان ناپایداری ویروس کووید ۱۹ به روش Real-time qPCR

- ۶- بررسی ارتباط بین فاکتورهای استرس اکسیداتیو ، گلوکز ۶ فسفات دهیدروژناز، برخی از انواع هموگلوبینوپاتی، شاخص های CBC ، پلی مورفیسم PON1 ، سطح سرمی روی (Zn)، ایجاد دیابت، آنزیم های کبدی و فاکتورهای بیوشیمیایی خون در افراد مبتلا به COVID-19 با شدت بیماری و طول مدت بهبودی
- ۷- بررسی ارتباط بین سطح سرمی برخی سموم مورد استفاده در کشاورزی با تغییرات اپی ژنتیک ، فعالیت کولین استراز و شاخصهای آنزیمی آنتی اکسیدانی در خانم های با سقط جنین خودبخودی و ناباروری بدون علت در جنوب استان کرمان در سال ۱۴۰۰-۱۳۹۹