

مهدی هدایتی

استاد تمام در رشته بیوشیمی

رزومه علمی (دی ماه ۱۳۹۱ - اردیبهشت ماه ۱۴۰۲)

مرکز تحقیقات سلولی و مولکولی،

پژوهشکده علوم غدد درون ریز و متابولیسم،

دانشگاه علوم پزشکی شهید بهشتی



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سوابق تحصیلی:

دوره تحصیلی	رشته	دانشگاه	تاریخ شروع	تاریخ پایان
لیسانس	شیمی	دانشگاه صنعتی شریف	۱۳۶۶	۱۳۷۰
کارشناسی ارشد	بیوشیمی بالینی	دانشگاه تربیت مدرس	۱۳۷۱	۱۳۷۴
دکترای تخصصی	بیوشیمی	دانشگاه تهران	۱۳۷۵	۱۳۸۱

سوابق شغلی:

۱. استاد تمام، هیئت علمی مرکز تحقیقات سلولی و مولکولی غدد درون ریز، پژوهشکده علوم غدد، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران (از سال ۱۳۹۸)
۲. دانشیار، هیئت علمی مرکز تحقیقات سلولی و مولکولی غدد درون ریز، پژوهشکده علوم غدد، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران (۱۳۹۳-۱۳۹۷)
۳. استادیار، هیئت علمی مرکز تحقیقات سلولی و مولکولی غدد درون ریز، پژوهشکده علوم غدد، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران (۱۳۸۶-۱۳۹۲)
۴. رئیس مرکز تحقیقات سلولی و مولکولی غدد درون ریز، پژوهشکده علوم غدد، دانشگاه علوم پزشکی شهید بهشتی، تهران، ایران (از سال ۱۳۹۲)
۵. رئیس آزمایشگاه های تحقیقاتی پژوهشکده علوم غدد درون ریز (۱۳۸۰-۱۳۹۷)
۶. رئیس آزمایشگاه مرکزی/مرجع ید در ایران (۱۳۸۵-۱۳۹۸) با خدمات خاورمیانه و شمال کشورهای آفریقایی
۷. عضو کمیته بیوشیمی وزارت بهداشت (۱۳۸۵-۱۳۹۷)
۸. مشاور واحد بیوشیمی مرکز کنترل بیماریها (۱۳۹۱-۱۳۹۸)
۹. دستیار سردبیر مجله بین المللی غدد درون ریز و متابولیسم (۱۳۹۱-۱۳۹۸)
۱۰. هیئت تحریریه مجله غدد درون ریز و متابولیسم ایران (۱۳۹۱-۱۳۹۸)
۱۱. معاونت پژوهشی پژوهشکده علوم غدد درون ریز (از سال ۱۴۰۲)

زمینه های مورد علاقه:

۱. جنبه بیوشیمی اختلالات تیروئید به ویژه سرطان تیروئید
۲. جنبه ژنتیکی اختلالات تیروئید به ویژه سرطان تیروئید
۳. روش شناسی و توسعه روش آزمایشگاهی (بیوشیمی تحلیلی و آمار و ریاضیات در زیست شناسی)
۴. بیوشیمی و ژنتیک چاقی و دیابت (به ویژه جنبه غدد درون ریز بافت چربی و آدیپوکین ها)
۵. اختلالات کمبود ید (IDD)، روش های تعیین ید و کنترل کیفیت

افتخارات و جوایز:

۱. دانشمند برجسته با H-index 28 و استناد > ۱۰۰۰ در نوزدهمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی (۱۳۹۷).
۲. دانشیار برگزیده پژوهش های پایه پزشکی، هجدهمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی، (۱۳۹۶).
۳. دانشمند برجسته با H-index 26 و استناد > ۱۰۰۰ در هجدهمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی (۱۳۹۶).
۴. برگزیده بیست و دومین جشنواره ملی پژوهشی رازی، دانشیار برگزیده پژوهش های پایه پزشکی (۱۳۹۵).
۵. دانشمند برجسته با H-index 24 و استناد > ۱۰۰۰ در هفدهمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی (۱۳۹۵).
۶. دانشمند برجسته با H-index 22 و استناد > ۱۰۰۰ در شانزدهمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی (۱۳۹۴).
۷. دانشیار برگزیده پژوهش های پایه پزشکی، چهاردهمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی، (۱۳۹۲).
۸. برنده جشنواره پژوهشی مرکز استنادی علوم جهان اسلام (ISC) به عنوان هفتمین دانشمند برتر (۱۳۹۲).
۹. برنده جشنواره پژوهشی مرکز استنادی علوم جهان اسلام (ISC) به عنوان چهارمین دانشمند برگزیده (۱۳۹۱).
۱۰. برنده عنوان اولین بیوشیمیست (جشنواره پژوهشی وزارت علوم (۱۳۸۹)
۱۱. بیوشیمیست برتر کشور، منتخب وزارت بهداشت (۲۰۰۹)
۱۲. برنده عنوان پژوهشگر ممتاز (جشنواره پژوهشی وزارت بهداشت (۱۳۸۸)
۱۳. برگزیده هشتمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی (۱۳۸۶).
۱۴. برگزیده هفتمین جشنواره پژوهشی دانشگاه علوم پزشکی شهید بهشتی (۱۳۸۵).

کتاب های منتشر شده:

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6653-60-2
۱۲. اخلاق ژنتیکی (یک مقدمه) ۲۰۲۳ (مهدی هدایتی) ISBN 978-622-5946-43-9

مقالات منتشر شده در ده سال گذشته		
مجموع	داخلی	بین المللی
۴۴۰	۱۱۴	۳۲۶

پروژه های تحقیقاتی تایید شده (۱۴۰۲-۱۳۹۳):

۱. بررسی ارتباط بین سطح سلنیوم پلاسما و بیان mRNA ژن های سرکوب کننده تومور SOCS6، RSK4، NOL4 در بیماران مبتلا به سرطان پاپیلاری تیروئید.
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۲۴. تجزیه و تحلیل جهش های ژن RET در بیماران مبتلا به سرطان مدولاری تیروئید در یک دوره ۱۰ ساله
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۴۶. ارزیابی اثر مهارکننده PI3K (LY294002) و مهارکننده MEK (Selumetinib) بر بیان ژن و پروتئین NIS در سلول های بنیادی +CD133 رده سلولی آناپلاستیک تیروئید.
۴۷. ارزیابی اثرات متفورمین بر بیان ژن ها و پروتئین های دخیل در مسیر PI3K/Akt/FoxO1، یک مسیر مستقل از AMPK، در رده های سلولی کارسینوم تیروئید آناپلاستیک و مدولاری
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۴۹. مطالعه بیان در miRNA های miR-129، miR221/-222، miR-183، miR-224، miR-197، miR-146b، miR-339 در بیماران مبتلا به آدنوم و کارسینوم تیروئید فولیکولی
۵۰. بررسی فراوانی جهش اگزون ۱۹ پروتوآنکوژن RET در بیماران ایرانی مبتلا به کارسینوم مدولاری تیروئید.
۵۱. بررسی فراوانی جهش در اگزون های ۱، ۲ و پروموتور پروتوآنکوژن RET در بیماران ایرانی مبتلا به سرطان مدولاری تیروئید.
۵۲. بررسی فراوانی جهش در اگزون های ۱۷ و ۱۸ پروتوآنکوژن RET در بیماران ایرانی مبتلا به کارسینوم مدولاری تیروئید.
۵۳. مطالعه ۸ هفته HIIT روی تروپونین T، متالوتیونین، آپلین و قلب در موش های صحرایی نر سالم
۵۴. مقایسه تأثیر ۸ هفته تمرین تناوبی استقامتی و شدت بالا بر بیان ژن PGC-1 α و VEGF در عضله قلب موش های صحرایی نر سالم.
۵۵. ارتباط بین بیان نسبی ژن آپلین و اسیدهای چرب رژیم غذایی در افراد چاق و با وزن طبیعی
۵۶. ارزیابی بیان miR-222 و ارتباط آن با بیان ژن های MMP-9 و TIMP-3 در تومور سرطان پاپیلاری تیروئید (PTC)
۵۷. ارزیابی بیان miR-18b و miR-222 و ارتباط آن با جهش BRAF در تومور سرطان پاپیلاری تیروئید (PTC)
۵۸. الگوی متیلاسیون DNA در ناحیه پروموتور ژن TTF-1 در سرطان های تیروئید
۵۹. ارزیابی بیان miR-137 و miR-214 و ارتباط آن با جهش BRAF در تومور سرطان پاپیلاری تیروئید (PTC)

۶۰. بررسی تغییرات سطوح پلاسمایی استئوکلسین، پروتئین متصل شونده به رتینول-۴ و شناسایی پلی مورفیسیم تک نوکلئوتیدی در پروموتور ژن استئوکلسین در بیماران مبتلا به کارسینوم مدولاری تیروئید.
۶۱. بررسی ارتباط سطح آنتین سرم با جهش آگزون ۱۹ پروتوآنکوژن RET در کارسینوم مدولاری تیروئید.
۶۲. مطالعه ارتباطی پلی مورفیسیم BSMI ژن گیرنده ویتامین D در اثر مکمل ویتامین D3 بر معیارهای تن سنجی، ترکیب بدن و نشانگرهای التهابی با توجه به زنان دارای اضافه وزن.
۶۳. ارزیابی و مقایسه بیان ژن PAX8 در سرطان های فولیکولی و ندول های خوش خیم تیروئید
۶۴. طبقه بندی داده های مطالعات لیپید و گلوکز تهران در پژوهشکده علوم غدد درون ریز.
۶۵. مطالعه ارتباطی پلی مورفیسیم FOKI ژن گیرنده ویتامین D در اثر مکمل ویتامین D3 بر معیارهای تن سنجی، ترکیب بدن و نشانگرهای التهابی با توجه به زنان دارای اضافه وزن.
۶۶. ارزیابی ارتباط متیلاسیون ژن های DOT1L، KLF9، LRR8D، SEPSECS، NLRP3 و FOXK2 با سطح هورمون های تیروئید در مطالعه TLGS.
۶۷. تجزیه و تحلیل مقایسه ای متابولومیک مبتنی بر GC-MS سلول های سرطانی SW1736، C643 و C83.5 تحت درمان با تاموکسیفن
۶۸. تنظیم کننده های جذب گلوکز در رده های سلولی سرطان تیروئید
۶۹. نشانگرهای بیوشیمیایی: آنها برای پیش بینی، تشخیص و پیش آگهی COVID-19 چه نقشی دارند.
۷۰. اثرات مصرف آب چغندر بر اندازه گیری های آنترپومتریک، کنترل قند خون، شاخص چربی، فشار خون، التهاب سیستمیک و عروقی و استرس اکسیداتیو در پلاسما و فاکتور هسته ای کاپا در سلول های تک هسته ای خون محیطی در بیماران مبتلا به دیابت نوع ۲: یک مطالعه تجربی تصادفی بالینی
۷۱. بررسی اثرات مکمل با کروسین بر نیمرخ لیپیدی و نشانگرهای استرس اکسیداتیو در بیماران مبتلا به دیابت نوع ۲.
۷۲. بررسی سطح پلاسمایی سلنیوم در بیماران مبتلا به سرطان پاپیلاری تیروئید و تأثیر سلنیوم در رده سلولی سرطان تیروئید پاپیلاری بر متیلاسیون ژن های سرکوبگر تومور NOL4، RSK4، SOCS6، SLC5A8، DAPK1.
۷۳. بررسی رویکرد درمانی جدید برای سرطان مدولاری تیروئید با هدف قرار دادن انکوژن RET با استفاده از روش ویرایش ژن CRISPER/Cas9.

۷۴. اثرات تکمیلی مکمل کروسین بر سطوح پلاسمایی پارامترهای متابولیک، عوامل التهابی، استرس اکسیداتیو و غلظت پروتئین کیناز فعال AMP در بیماران مبتلا به دیابت نوع ۲
۷۵. اثرات مکمل ایزوفلاون های سویا بر عوامل خطر بیماری های قلبی عروقی و نشانگرهای متابولیسم استخوان در بیماران دیالیزی صفاقی.
۷۶. بررسی تغییرات بیان پروتئین های MT4-MMP و MT6-MMP در سرطان پاپیلاری تیروئید و ارتباط آن با متاستاز غدد لنفاوی
۷۷. اثرات مکمل سین بیوتیک حاوی باسیلوس کواگولانز و فروکتولیگوساکارید بر کنترل قند خون، پروفایل لیپیدی، فشار خون و التهاب سیستمیک بیماران مبتلا به دیابت نوع ۲.
۷۸. اثرات مکمل نانو سلول کورکومین بر فشار خون، شاخص های تن سنجی، کنترل قند خون و غلظت سرمی پارامترهای لیپیدی بیماران مبتلا به سندرم متابولیک.
۷۹. بررسی پیشگیری و کاهش اثرات آفلاتوکسیکوزیس در مدل های حیوانی با استفاده از تکنیک های ایمونوشیمیایی.

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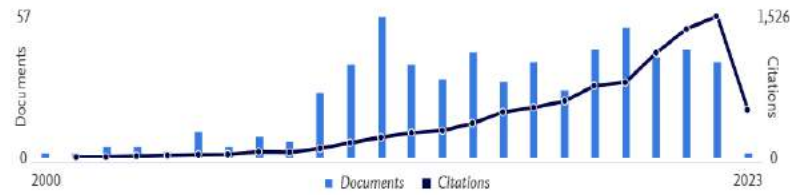
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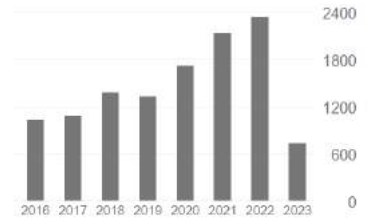
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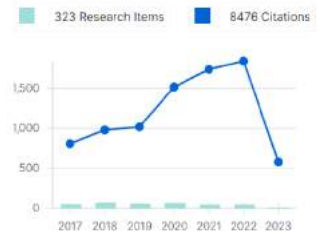
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Head of Cellular ^ Molecular Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences

Skills and Expertise

PCR DNA Sequencing Protein Expression Stress Analysis SDS-PAGE Nutrition
Cell Culture X-ray Diffraction RNA Extraction Gene Expression

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