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Full Professor
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EDUCATION

Sept. 1992-Aug. 1997 Ph.D. in Medicinal Chemistry, Faculty of Pharmacy, University of Alberta (Drs. L. I. Wiebe, E. E. Knaus, Supervisors)

Jan. 1984-Jan. 1989 Pharm.D., Faculty of Pharmacy, University of Tehran (Dr. A. Shafiee, Supervisor)

RESEARCH EXPERIENCE

June 2013-Present **Full Professor of Medicinal Chemistry and Pharmacology**, Chapman University School of Pharmacy

April 2014-Present **Joint Appointment Faculty** of Chemistry and Biochemistry, Schmid College of Science and Technology, Chapman University

January 2016-Present **Volunteer/Affiliate Faculty**, Project Scientist Step III, Division of Nephrology and Hypertension, Department of Medicine, **University of California, Irvine**, School of Medicine

April 2020-March 2022 **Associate Dean of Research, Innovation, and Global Affairs**, **Full Professor of Medicinal Chemistry and Pharmacology**, Chapman University School of Pharmacy

July 2013-April 2020 **Associate Dean of Research, Graduate Studies, and Global Affairs**, **Full Professor of Medicinal Chemistry and Pharmacology**, Chapman University School of Pharmacy

July 2016-Present	**Member,** Center for Targeted Drug Delivery, Chapman University School of Pharmacy
Sept. 2013-Present	**Member**, Chao Family Comprehensive Cancer Center, University of California, Irvine
Nov. 2012-2016	**Adjunct Faculty,** Department of Molecular Pharmacology, Physiology and Biotechnology, Brown University
July 2013-July 2015	**Research Professor**, Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island
July 2008-June 2013	**Full Professor**, Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island
March 2013-Present	**Adjunct Faculty,** International Center for Chemical and Biological Sciences, University of Karachi
May 2012-June 2013	**Program Coordinator, Rhode Island IDeA Network of Biomedical Research Excellence (INBRE) sponsored by NIH, ($20 million)**
January 2010-Dec. 2010	**Sabbatical Research**, Department of Molecular Pharmacology, Physiology and Biotechnology, Brown University
Nov. 1, 2000-Oct. 2017	**Visiting scientist (Scholar)**, Department of Pharmacology and Molecular Sciences, School of Medicine, Johns Hopkins University
April 2006-July 2008	**Tenured Associate professor**, Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island
Oct. 2000-April 2006	**Assistant professor**, Department of Biomedical and Pharmaceutical Sciences, College of Pharmacy, University of Rhode Island
July 1999-Oct. 2000	**Postdoctoral fellow**, Department of Pharmacology and Molecular Sciences, **School of Medicine, Johns Hopkins University (Burrough Welcome Fund) (Dr. Philip A. Cole)**

Chemical cross-linking agents for identification of substrates for protein kinases, Bisubstrate ATP-peptide inhibitors of tyrosine kinases.

Jan. 1999-July 1999	**Postdoctoral fellow**, Department of Bioorganic Chemistry, Rockefeller University (Dr. Philip A. Cole)

Tyrosine analogs as alternative substrates for protein kinase Csk.

Sept. 1997-Jan. 1999 **Postdoctoral fellow**, Department of Chemistry, University of Alberta (Dr. Ole Hindsgaul)

Sulfation and phosphorylation of carbohydrates and nucleosides using solid-phase organic synthesis.

Sept. 1992-Aug. 1997 **Ph.D.**, Faculty of Pharmacy, University of Alberta (Drs. L. I. Wiebe, E. E. Knaus, Supervisors)

1. Synthesis, biodistribution, pharmacokinetic, and biological evaluation of 5'-*O*-myristoyl derivatives of 3'-azido-3'-deoxythymidine (AZT) and 3'-fluoro-3'-deoxythymidine (FLT) as prodrugs for the treatment of AIDS and hepatitis B.
2. Synthesis, antifungal and antiviral activities of myristic acid analogs.
   This research project involved the design and synthesis of double-barreled myristoyl and heteroatom-modified myristoyl derivatives of nucleoside analogs for the treatment of AIDS and Hepatitis B.
3. Synthesis of derivatives of 2-fluoromethyl and 3-fluoromethyl tyrosine.
4. Synthesis of 4-hydroxymethyl-2-nitro-1-trityl-imidazole.
5. Synthesis of 1'- and 2,2'-deuterated nucleosides.

Jan. 1992-Sept. 1992 **Sabbatical leave**, Faculty of Pharmacy, University of Alberta (Drs. L. I. Wiebe, E. E. Knaus, Supervisors)

Jan. 1989-Dec. 1991 **Ph.D. student**, Faculty of Pharmacy, University of Tehran (Dr. A. Shafiee, Supervisor)

Synthesis of derivatives of 1-phenylethyl substituted 1,2,4-triazoles and imidazoles as spermicides.

Jan. 1984-Jan. 1989 **Pharm.D. thesis**, Faculty of Pharmacy, University of Tehran (Dr. A. Shafiee, Supervisor)

Synthesis of substituted 2-(1-methyl-5-nitro-2-imidazolyl)quinolines, effective drugs against tropical diseases.

LEADERSHIP AND MISCELLANEOUS WORK EXPERIENCE

December 2024-Present Advisory Board Member of Association of Pharmacy Professionals (India)

December 2024-Present Vice president of Association of Pharmacy Professionals (APP) American International Branch

September 2024-Present	Chair of Faculty Review Committee (FRC), Chapman University School of Pharmacy
September 2024-Present	Chair of Assessment Committee, Chapman University School of Pharmacy
September 2020-August 2024	A member of Chapman University **Faculty Personnel Council (FPC)**
June 2022-Present	Assessment committee member
June 2022-Present	Academic progression committee member
April 2020-March 2022	**Associate Dean of Research, Innovation, and Global Affairs, Chapman University School of Pharmacy**
2021	Export Control Working Group, Chapman University
July 2013-April 2020	**Associate Dean of Research, Graduate Studies and Global Affairs, Chapman University School of Pharmacy**
February 2016-March 2022	Science Committee Ex Officio Member
2019-2022	Annual Research Day
2013-March 2022	Collecting and reporting grant data to AACP for grant ranking
2017-March 2022	A member of Chapman University **Research Advisory Panel**
2020-2022	A member of **Thematic Pathway for Reaffirmation (TPR)** Self-Study Committee: Excellence through Research and Creative Activity for Chapman University WASC Accreditation
September 2018-April 2020	Computational and Data Sciences (CADS) Graduate Steering Committee Member

2015-2016	Wrote the Proposal, Received Chapman Approval, and WASC Accreditation for Ph.D. program starting Sept. 2016
2013-2014	Wrote and received Chapman approval for MS in Pharmaceutical Sciences starting Sept. 2014
2013-April 2020	A member of the Graduate Coordinator Committee at Chapman University
2013	Wrote and succeeded in a collaborative proposal between CUSP and Schmid College of Science and Technology for a new **joint Nutritional Pharmacology position (Dr. John Miklavcic)** I also led and got approval for several joint appointments at CUSP, such as **Dr. Amir Raz**, **Dr. Hillard Kaplan, Dr. Gennady Verkhivker, and Dr. Marco Bisoffi**
September 2014-April 2020	Graduate Program and Research Committee Ex Officio, Chapman University School of Pharmacy
2014-2015	Search Committee Chair for Hiring Graduate Program Coordinator; Search Committee Chair for Hiring NMR Faculty Position, Search Committee Member for hiring Grant and Subcontract Coordinator in Rinker Campus; A Search Committee Member for Safety Administrator at Rinker Campus
July 2013-January 2015	Curriculum Committee Member, Chapman University School of Pharmacy
September 2014-Present	Admission and Interviewing Pharmacy Students, Chapman University School of Pharmacy
June 2013-April 2022	Dean Council Member, Contributed to WASC and ACPE Application, Served in ACPE Steering Committee, Chapman University School of Pharmacy
June 2013-April 2022	Senior Leadership Council Member, Chapman University School of Pharmacy

September 2014-2020	Chapman University Graduate Program Coordinators Committee Member
September 2013-2022	Search Committee Chairs for Various Faculty positions and two founding Department Chairs, Chapman University School of Pharmacy
June 2013	Second founding member of Chapman University School of Pharmacy, Served in several committees, such as FRC, Item Review Committee, and other committees as a founding member
May 2012-July 1, 2013	Program Coordinator**,** Rhode Island IDeA Network of Biomedical Research Excellence (INBRE) sponsored by NIH ($20 million). Wrote the renewal application that was funded in 2014 after my move to Chapman
October 2011-September 30, 2012	International Conference Committee Chair Frontiers in Pharmaceutical Sciences: Global Perspectives, Kingston, Rhode Island, September 28-30, 2012
November 2012-Septemebr 14, 2012	One Day Symposium Committee Member
May 2012	Initiated international collaboration between Technical University Braunschweig, Germany, and the College of Pharmacy after an invitation by IEP program. A German delegation was invited to the International Conference for follow-up visit.
February 2011	Initiated and established international collaboration between Dean of College of Pharmacy and University of Delhi and Indian Birla Institute of Technology and Science. Two MOUs were signed for student and faculty exchange.
February 2011	Established research collaboration between the URI College of Pharmacy and the International Center for Chemical and Biological Sciences. One MOU was signed following our visit.

DEVELOPMENT OF EDUCATIONAL AND RESEARCH PROGRAMS

2022	**Summer High School Internship Program:** Worked with the Science Committee, Dr. Simin Rahighi and Dr. Laura Cook, to design, discuss, and start Summer High School Internship Program
2021-2022	Drafted the initial **SWOT analysis** for the research business plan and Chapman WSCUC TPR for WASC that was completed by faculty across Chapman. After the analysis, it will be used for research strategic planning.
2019-2022	**Annual Research Day:** Designing and assisting Science Committee in organizing the annual research day
2020-2021	Safe opening of the research facility at Chapman University School of Pharmacy and ramping up research with Dean's council
2019-2020	With the support of the **Graduate Committee**, we accomplished two-semester and competitive tuition per credit model
2016-2020	Started the graduate students **AAPS Chapter** to organize several training opportunists, career, and resume workshops for the students
2014-2020	Organized visit to several pharmaceutical companies (Par Pharmaceutical, Siegfried) and FDA headquarter for the graduate students
2014-2020	Organized monthly meetings of the **Southern California Discussion Group of the American** Association of Pharmaceutical Scientists (AAPS) and **bi-annual USP-FDA meetings**
2019-2022	Designed **collaborative funding mechanism** with Science Committee, Drafted bridge funding mechanism with the Science Committee

2019	Organized **USP workshop** at Chapman University School of Pharmacy with the assistance of Dean's Council, USP CEO conducted a one-day workshop on the regulatory aspects of drug development.
2013-2022	Received many **in-kind donations** from pharmaceutical companies that are used in the core facility or by faculty
2013-2020	Developed several **internship opportunities** for students to work in local industries, such as Par Pharmaceutical and Siegfried
2013-2020	**Outreach to pharmaceutical and Biotech Companies and regulatory agencies:** 11 funded proposals by faculty at CUSP. In addition to Industry Advisory meetings and dinners, faculty have made or initiated relationships with Artemis International, Siegfried, Bioniz Therapeutics, Eyvance, Nitto Avecia Pharma, Akrivista, Endocyclic Therapeutics, AJK Biopharmaceutical, Amgen, Masimo, CHOC hospital, and FDA. Two research Centers, CTDD and Structure Biology, were established that are used by the pharmaceutical industry.
2013-2020	Established several collaborations with foreign institutions for sharing graduate students, visiting fellow programs, and research collaborations. We expanded collaboration with the International Center for Chemical and Biological Sciences (ICCBS). A new MOU with universities in India and Vietnam were approved. Additional funded trainees from Egypt and India have been approved and will visit Chapman in 2022. The collaboration with the ICCBS in Pakistan was continued. CUSP hosted a number of international Fulbright fellows, SERB, Mission, and RAMAN Fellows.
2019	Design and build a **new laboratory for SAS faculty and students** with support software after consultation with faculty in Social and Administrative Sciences based on their needs

2018	Organized and led Chapman University School of Pharmacy **Research Retreat** with the Science Committee and faculty
2018	Developed the **authorship guidelines** with the Science Committee
2018	Proposed the B.S. in **Pharmaceutical Sciences**, Wrote the curriculum and application for submission
2018-2019	Coordinated and worked with other faculty and Dr. Enrique Seoane-Vazquez to get approval **in M.S. in Regulatory Affairs and M.S. in Patient Safety, Chapman University School of Pharmacy**
2016-2022	Implemented strategic initiatives, such as exploring summer research internships for high school students, promoting collaboration through CUSP faculty seminars, and inviting high-profile clinical faculty as guest lecturers
2016	Started **4+1 BS/MSPS program** at Chapman University School of Pharmacy
2015-2019	Organized several meetings of Western Compendial Discussion Group and AOAC International Southern California Section (SCS)
February 2015-2016	**Wrote the application with the help of faculty, led the efforts, and initiated Ph.D. in Pharmaceutical Sciences, Received WASC accreditation, Chapman University School of Pharmacy**
2014-2015	Got SACM approval to recruit students from Saudi Arabia at CUSP. The number of MS students during my service per year ranged 12-19 students per year after the second year until my term ended.
2013-March 2022	Space allocation, biosafety cabinet hoods, and maintenance of the core facility, collecting the information from the faculty for their research needs

	and generating priority list, and acquired many high-end equipment
2013-2015	Contributed to establishing **two research centers, Center for Targeted Drug Delivery and Structure Biology Research Center,** with the help of faculty
2014	Organized a one-day **grant workshop** for CUSP faculty
2014-2019	Helped in Organizing Industry Dinner Nights
July 2013- Sept 2014	**Wrote the application, led the efforts, and initiated M.Sc. in Pharmaceutical Sciences, Chapman University School of Pharmacy**
June 2013-March 2022	Establishing and maintaining the research infrastructure and core facility and enhancing research activities at Chapman University of School of Pharmacy. The school was ranked **35th among 140 pharmacy schools in the 2021 AACP ranking.**
2014-2016	Organizer, The Southern California Pharmaceutical Discussion Group (SCPDG), Every Second Thursday Presentation
June 2013-	Assisted and worked with other faculty in successful accreditation of the Pharm.D. program at Chapman University: contributed to drafting and revising ACPE application in collaboration with other Dean Council members and Self-Study ACPE report and preparation for ACPE visit. I wrote, reviewed, and revised a number of standards.
May 2012-June 2013	Graduate and Research Committee
January 2011-April 2011	Space committee
September 2010-Jan. 2012	Assessment committee member
September 2010-Jan. 2012	Curriculum committee member

September 2008-Jan. 2010	Scholastic Standing Committee Member
December 2006-June 2007	Serving as a member of the evaluation committee for the Dean of Pharmacy
January 2006-August 2006	Serving in two search committees for two faculty positions in the Department of Biomedical and Pharmaceutical Sciences and Department of Cell and Molecular Biology
March 2004-April 2007	Senator representing the College of Pharmacy in University of Rhode Island Senate
2007	Advisor for Pharmacy professional students, class of 2009
2002-2007	A member of the organizing committee of the Annual AAPS-NERDG in Rocky Hill, CT
April 2004-April 2007	Organizing INBRE Seminar Series
Oct. 2000-Present	Serving in Graduate Student Thesis Committees**:** I have been serving on several graduate student thesis committees (more than 120 graduate students).
May 1996-April 1997	Vice President Operations, HUB Community Association, U. of Alberta
February 1997	Leadership Retreat, University of Alberta
May 1995-April 1997	Sports Unit Manager, University of Alberta
May 1995-April 1997	A member of COSL committee (Council of student life), University of Alberta
August 1996	Leadership Retreat, University of Alberta
September 2-4, 1996	Leadership in Residence, University of Alberta
May 1995-April 1996	Vice President Programming, HUB Community Association, U. of Alberta

Sept. 1995- Dec. 1995	Teaching assistant in Radioisotope Tracer Methodology (Pharm. 601, Faculty of Pharmacy, University of Alberta)
1994	Volunteer, HUB community association, University of Alberta
1994	Leadership Program (Speechcraft)
1993-1996	Vice President Finance (Treasurer), Pharmacy Graduate Student Association Faculty of Pharmacy, University of Alberta
1989-1991	Teaching in Organic Chemistry, General Chemistry, Instrumental Analysis and Medicinal Chemistry (Faculty of Pharmacy, University of Tehran)

FACULTY MENTORSHIP

- Served as the official mentor of three faculty, **Dr. Hamid Montazeri, Dr. Sun Yang, and Dr. Simin Rahighi**. I have met with mentees in monthly, bimonthly meetings, or as needed to discuss projects, review grants as needed, and provide feedback and assistance. As a few examples of my success in mentoring faculty, Dr. Montazeri and Dr. Yang have received external funding from **PhRMA foundation**, **AJK Biopharmaceutical (Montazeri**), and **NIH (Yang)** in collaborative or independent research.

- Worked and mentored other faculty members. For instance, **Dr. Miao Zhang** NIH's phase 2 funding was dependent on developing lead compounds with high potency. My laboratory was able to develop potent hit compounds for **his phase II NIH application**, which led to the funding. Furthermore, the developed compounds are currently under consideration for licensing agreement with Interlaken Co.

- Worked, collaborated, and/or mentored other faculty, Dr. Marco Bisoffi, Dr. Jerika Lam, Dr. Genady Verkhivker, Dr. Jason Yamaki, Dr. Khaled Elsaid, Dr. Surya Nauli, Dr. Innokentiy Maslennikov, Dr. Rakesh Tiwari, Dr. Aftab Ahmed, Dr. Reza Mehvar, and Dr. Jennifer Totonchy in several collaborative research projects of mutual interest and/or published in peer-reviewed journals. Most of the collaborations are focused on projects independently designed by the above investigators.

Advocating Faculty Research

- **Advocacy.** I have been **an advocate of promoting faculty research and assisting them to succeed as my first priority**. As Associate Dean of Research, one major part of my work was advocating and promoting all faculty research activities and successes to the General Public.

- **CUSP Research Highlights.** I started publishing **CUSP Research Highlights** in Summer of 2020.

    - The first issue was published on August 18, 2020: **NIH Funds Three R01 Grants at Chapman University School of Pharmacy**.
    - The second issue was published on October 6, 2020, with the theme: **Three Assistant Professors, Three Paths Forward**.
    - The theme of the third issue was **research collaboration**. These issues were widely distributed among Pharmacy Schools across the country and Chapman University.
    - I have asked faculty to submit their research stories to be shared with Media Services as needed.
- **NIH INBRE Program coordinator** at the University of Rhode Island. Supporting faculty at the University of Rhode Island, Brown University, and five community colleges.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

1. American Chemical Society (1996-Present)
2. American Peptide Society (2018-Present)
3. American Association for the Advancement of Science (1999-present)
4. American Association of Pharmaceutical Scientists (AAPS) (1993-1995) (2004-Present)
4. The Johns Hopkins Medical and Surgical Association (2002-Present)
5. American Diabetes Association (2004-2013)
6. American Association of Colleges of Pharmacy (February 2001-2008, 2013-present)
7. SIGMA XI (The Scientific Research Society) (November 2000-November 2001)
8. Distinguished member of PIRE Advisory Board, NSF, University of Rhode Island Partnership in International Research and Education (PIRE) (2008)
9. American Pharmacists Association (2015-Present)
10. American Society of Gene & Cell Therapy (2024-Present)
11. American Heart Association (2024-Present)

SCIENTIFIC JOURNAL EDITOR OR EDITORIAL ADVISORY BOARD

1. The Executive Guest Editor of "*Current Pharmaceutical Design*" (2001)

2. Editorial Advisory Board "*Current Medicinal Chemistry, Central Nervous System Agents*" (June 2004-June 2023)

3. Editorial Advisory Board of "*Recent Patent Reviews on CNS Drug Discovery*" (March 2005-Present)

4. Editorial Board member of "*Perspectives in Medicinal Chemistry*" (January 2007-Present).

5. Editorial Board Member of *"Open Biochemistry Journal"* (June 2007-Present)

6. Editorial Board Member of "*Daru Journal of Pharmaceutical Sciences*" (Aug. 2008-Present)

7. Editorial Board Member of Associate Editors, *"The Beilstein Journal of Organic Chemistry"* (December 2008-Present)

8. Editorial Board Member, "*Journal of Herbal Drugs*" (Aug. 2009-Present)

9. Editorial Advisory Board, "*Chemistry Biology Interface*" (September 2011-Present)

10. Honorary Editorial Board, "*Research and Reports in Transdermal Drug Delivery*" (Dec. 2011-Present)

11. Editorial Board Member of "*Journal of Pharmacological & Biomedical Analysis*" (June 2012-Present)

12. Editor "*Chemical Biology Letters" Integrated Science Publishing"* (June 2015-Present)

13. Editorial Board Member "*Molecules*" (Oct. 2018-present)

14. Editorial Board Member "*Frontiers in Nanotechnology*" (April 2022-present)

15. Editorial Board of the "*Journal of Biological Chemistry* (the JBC)" (Jan. 2025-Dec. 2029)

PEER REVIEW ACTIVITY AND GRANT REVIEW ACTIVITY

- Reviewer for *Organic Letters, Bioorganic Medicinal Chemistry Letters, Bioorganic Medicinal Chemistry, Journal of Combinatorial Chemistry, Current Pharmaceutical Design, Tetrahedron Letters, Journal of Organic Chemistry, Chemistry and Biology, and Journal of Medicinal Chemistry, ChemMedChem*, *Molecular Pharmaceutics*

- Center For Scientific Review, NIH, *Microbicidal Preclinical Development Program*, ZRG1 AARR-1, August 7-9, 2001

- Center For Scientific Review, NIH, *Microbicidal Preclinical Development Program* ZRG1 AARR-1, December 9, 2002.

- Center For Scientific Review, NIH, *Microbicidal Preclinical Development Program*, ZRG1 AARR-1, July 9, 2003.

- Center For Scientific Review, NIH, *Drug Delivery & Drug Discovery SBIR/STTR Panel*, ZRG1 SSS-L (10), June 30, 2003- July 01, 2003.

- Center For Scientific Review, NIH, *Microbicidal Preclinical Development Program*, ZRG1 AARR-A 51, December 8-9, 2003.

- Center For Scientific Review, NIH, *Microbicide Innovation R21/R33 program*, ZAI1 BLG-A (S1), May 23-24, 2006.

- Ad Hoc Reviewer, INSF, *Development of COX-2 Inhibitors*, December 2006.

- Reviewer, *2006 Assessment of Research Doctorate Programs*, National Research Council (NRC), December 2006.

- *The Estonian Science Foundation*, Evaluation of proposals, July 2008.

- *Organic and Macromolecular Chemistry CAREER Panel*, National Science Foundation (NSF), October 6-7, 2008.

- Center For Scientific Review, NIH, *Microbicide Innovation R21/R33 program (MIP IV)*, ZAI1 RB-A (J1) 2, November 20-21, 2008.

- Center For Scientific Review, NIH, *Microbicide Innovation R21/R33 program (MIP VI)*, ZAI1 RB-A (J1), December 2-3, 2010.

- Cancer Drug Discovery Peer Review Committee, *American Cancer Society,* June 23-24, 2011.

- Cancer Drug Discovery Peer Review Committee, American Cancer Society, January 19-20, 2012.

- Cancer Drug Discovery Peer Review Committee, American Cancer Society, June 14-16, 2012.

- City University of New York, Cuny Collaborative Research Grant Proposal Review, April 6, 2013.

- NIH, Sustained Release for Antiretroviral Treatment or Prevention (SRATP) of HIV Infection (UM1), ZAI1-JBS-A-M1, April 6-7, 2015.

- Grant Reviewer for Kazakhstan National Center of Science and Technology Evaluation, Fall 2014.

- Member, Cancer Drug Discovery Peer Review Committee, American Cancer Society, August 1, 2012-February 1, 2016.

- Grant Reviewer for Kazakhstan National Center of Science and Technology Evaluation, Fall 2017.

- Grant Reviewer for Kazakhstan National Center of Science and Technology Evaluation, Fall 2020.

- Grant Reviewer for Puerto Rico Science, Technology, and Research Trust, Fall 2014, August 2015, March 2017-2019, June 2021, 2023, 2024.

- Grant Reviewer for the Swiss National Science Foundation, Fall 2023, Fall 2024

- ANR (the French National Funding Agency), May 2024.

AWARDS AND HONORS

Year	Award	Awarding Agency/Institution	Nature of Award
2024	APP Academic Excellence Award	Academy of Pharmacy Professionals (APP)	Recognition
2022	Chapman University Million Dollar Club Member	Chapman University	Recognition
2021	CUSP Culture Award: Diversity and Inclusion	Chapman University School of Pharmacy	Recognition
2019	AIMS Award	ATOMWISE	Artificial Intelligence Research
2017	**AACP Catalyst Program: Accelerating Research Leadership, 2017-2018**	AACP	Fellowship
2017	Journal Stars Author	Molecular Pharmaceutics, American Chemical Society ACS publication	Recognized as a highly prolific author for Molecular Pharmaceutics, American Chemical Society ACS publication, 2017
2015	AACP Teacher of the Year	American Association of Colleges of Pharmacy	Teaching Recognition
2014	Outstanding Intellectual Property Development	University of Rhode Island	Efficient Synthesis of CN2097 and RC7 and Their Analogs
2014	Outstanding Intellectual Property Development	University of Rhode Island	Synthesis of Maplexin J
2014	Outstanding Intellectual Property Development	University of Rhode Island	Phenolic Compounds with Antioxidant and Anti-Cancer Properties
2014	Outstanding Intellectual Property Development	University of Rhode Island	Antibacterial Peptides Containing Arginine and Tryptophan Residues
2013	Outstanding Intellectual Property	University of Rhode Island	Solid-phase synthesis of modified

	Development		oligonucleotides containing diphosphodiester inter-nucleotide linkages.
2013	Outstanding Intellectual Property Development	University of Rhode Island	Preparation of quebecol and its analogs as anti-cancer agents.
2012	Research Excellence Award	College of Pharmacy University of Rhode Island	Recognition
2012	M2012 Travel Scholarship	Microbicides: From Discovery to Delivery	Travel scholarship and invitation for giving an oral presentation
2011	**Outstanding Researcher**	University of Rhode Island	Recognition
2011	The Rho Chi Society The Academic Honor Society in Pharmacy Beta Pi Chapter	University of Rhode Island	Honorary Member
2010	M2010 Travel Scholarship	Microbicide: Building Bridges in HIV Prevention Organizing Committee	Travel scholarship and invitation for giving an oral presentation
2009	Harry and Elsa Jiler—American Cancer Society Professors Meeting Travel Scholarship	American Cancer Society	Travel scholarship and invitation for giving an oral presentation
2009	Honorary Fellow of the Indian Society Chemists and Biologists (ISCB)	Indian Society Chemists and Biologists	Honorary Fellow
2004	Outstanding Intellectual Property Development	University of Rhode Island	Research: Recognition for Discovery of the Docking Site of Tyrosine Kinases
2004	Outstanding Intellectual Property Development	University of Rhode Island	Research: Recognition for Discovery of Bisubstrate Inhibitors of Protein Tyrosine Kinases as Anticancer Agents
2004	Outstanding Intellectual Property Development	University of Rhode Island	Research: Recognition for Discovery of Novel Bisubstrate Antifungal Derivatives

2003	Listed in Marquis Who's Who in America	Marquis Who's Who	Honor
2001	**Commercial Innovation Award**	Slater Center For Biomedical Technology	Research: Industrial Innovation Research
1998	American Chemical Society Travel Grant	American Chemical Society	Research Travel Award
1997-1999	Alberta Heritage Foundation for Medical Research Postdoctoral Fellowship	Alberta Heritage Foundation for Medical Research	Postdoctoral Fellowship Scholarship
1997	The Most Positive Influence Award	University of Alberta	Service Honorary Award
1996	Golden Bulb Light Award	University of Alberta	Service
1994-1996	Alberta Heritage Foundation for Medical Research Studentship Scholarship	Alberta Heritage Foundation for Medical Research	Ph.D. Student Scholarship
1995	J. Gordon Graduate Student Award	University of Alberta	Research
1994	Dr. Wu Hong Fund Poster Prize	University of Alberta	Research, Poster Prize
1993	Mike Wolowyk Graduate Scholarship	University of Alberta	Research
1993	Myer Horowitz Graduate Scholarship	University of Alberta	Research

PROFESSIONAL AND TECHNICAL EXPERIENCE

1. Medicinal chemistry and chemical biology.
2. Evaluation of Peptides from natural products.
2. Nano-based drug design and drug delivery tools.
3. Peptide synthesis and application as enzyme inhibitors and drug delivery tools.
4. Biomaterials characterization using Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), and Dynamic Light Scattering (DLS)
5. Cell-based assays and imaging techniques (flow cytometry, fluorescence microscopy, confocal microscopy).
6. Solid-phase organic synthesis and combinatorial chemistry.
7. Synthetic organic chemistry of lipids, peptides, nucleosides, nucleic acids, carbohydrates, and heteroaromatics.
8. Analytical and spectroscopy methods like HPLC, NMR, IR, UV, and MS.
9. Enzymatic reactions and enzyme kinetic studies.
10. Molecular modeling and quantitative structure-activity relationship (QSAR) using Insight II, Biosym, Hyperchem, Rasmol, ViewerLite, ChemPro. Software.

11. Techniques in molecular biology (electrophoresis, cloning of DNA, hybridization, gene transfection).
14. Using radioactive compounds for biological assays like enzymatic studies.

MY RESEARCH

My research has been published in 249 peer-reviewed publications, 24 issued or pending patents, and 205 meeting abstracts.

https://www.ncbi.nlm.nih.gov/myncbi/keykavous.parang.1/bibliography/public/.

PUBLICATIONS

1. Shafiee, A., Pirouzzadeh, B., Ghasemian, F., **Parang, K.** Synthesis of 2-acetyl-1-methyl -5-nitroimidazole. *J. Heter. Chem.* **(1992)** *29*, 1021-1023 and *Cheminform* **(1992)** *23*, 50.

2. Shafiee, A., **Parang, K.**, Khazen, M., Ghasemian, F. Synthesis of substituted 2-(1-methyl-5- nitro-2-imidazolyl)quinolines. *J. Heter. Chem.* **(1992)** *29*, 1859-1861.

3. Sharifan, A., **Parang, K.**, Zorrieh-Amirian, H., Nazarinia, M., Shafiee, A. Synthesis of 1-substituted 1,2,4-triazoles, imidazoles and benzimidazoles. *J. Heter. Chem.* **(1994)** *31*, 1421-1423.

4. **Parang, K.**, Knaus, E. E., Wiebe, L. I., Sardari, S., Daneshtalab, M., Csizmadia, F. Synthesis and antifungal activities of myristic acid analogs. *Arch. Pharm.-Pharm. Med. Chem.* **(1996)** *329*, 475-482.

5. **Parang, K.**, Wiebe, L. I., Knaus, E. E., Huang, J. S., Tyrrell, D. L., Csizmadia, F. *In vitro* antiviral activities of myristic acid analogs against human immunodeficiency and hepatitis viruses. *Antiviral Research* **(1997)** *34*, 75-90.

6. **Parang, K.**, Wiebe, L. I., Knaus, E. E. Syntheses and biological evaluation of 5′-*O*-myristoyl derivatives of thymidine against human immunodeficiency virus (HIV-1). *Antiviral. Chem. Chemother.* **(1997)** *8*, 417-427.

7. **Parang, K.**, Knaus, E. E., Wiebe, L. I. Synthesis, *in vitro* anti-HIV structure-activity relationships and stability of 5′-*O*-myristoyl analogue derivatives of 3′-azido-2′,3′-dideoxythymidine as potential prodrugs of 3′-azido-2′,3′-dideoxythymidine (AZT). *Antiviral. Chem. Chemother.* **(1998)** *9*, 311-323.

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128. Shirazi, A. N.; Tiwari, R. K.; **Parang, K.** Metal nanoparticles in cancer therapy. 2014 Chao Family Cancer Center Retreat. Palm Springs, CA, United States, September 26-28, **2014**.

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131. Miyake, T., El-Sayed, N.s., Shirazi, A., **Parang, K.**, Tiwari, R. Synthesis and evaluation of fatty acyl derivatives of $(HR)_4$ peptides as cell penetrating peptides. Research Day Poster Session, Chapman University, Orange, CA, United States, May 16, **2015**.

132. Beni, Y., Yadav, A., Banerjee, A., Patel, P. B., Shirazi, A. N., **Parang, K.** Biocompatible, biodegradable metal-binding cyclic peptides for heavy metal toxicity removal, *71st SWRM/67th SERMACS meeting, Memphis, Tennessee,* November 4-7, **2015**.

133. Alnakhli, J., Boadi, W., **Parang, K.**, Shirazi, A., Ahmadibeni, Y. Triphenylmethanol conjugates of triptorelin as anticancer prodrugs. 250th ACS National Meeting & Exposition, Boston, MA, United States, August 16-20, **2015**, MEDI-214.

134. Shirazi, A. N., **Parang, K.** Enhanced delivery of anti-HIV drugs by a peptide amphiphile containing tryptophan and histidine. 2015 AAPS Annual Meeting and Exposition. Orlando, FL, United States, November 2-6, **2015**, Abstract # 2718.

135. Mozaffari, S.; Shirazi, A. N.; **Parang, K.** Design and evaluation of $[WK]_4R_4$ as a peptide-based delivery system for enhanced cellular delivery of a cell impermeable phosphopeptide. 2015 AAPS Annual Meeting and Exposition. Orlando, FL, United States, November 2-6, **2015**, Abstract # 3104.

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139. Tiwari, R. K.; Kotla, S. R.; Marshall, J.; Goebel, D. J.; **Parang, K.** Efficient synthesis and neuroprotective activity of CN2097: A cyclic disulfide polyarginine peptidomimetic binding PDZ domain of PSD-95. 251st ACS National Meeting & Exposition, San Diego, CA, United States, March 13-17, **2016**, AGFD-58.

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145. Darwish, S.; Tiwari, R. K.;**Parang, K.** Synthesis of cyclic peptide conjugate of curcumin and doxorubicin as a bidentate anticancer agent. 253rd ACS National Meeting & Exposition, San Francisco, CA, United States, April 2-6, **2017**, ORGN-618.

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147. Mozaffari, S.; Sadeghiani, N.; Tiwari, R.; **Parang, K.** Design and evaluation of cyclic peptides containing arginine, lysine and tryptophan residues as a cellular drug delivery system and establishing structure-activity relationship. 253rd ACS National Meeting & Exposition, San Francisco, CA, United States, April 2-6, **2017**, MEDI-472.

148. Darwish, S.; Sadeghiani, N.; Tiwari, R.; **Parang, K.** Synthesis and antiproliferative activities of doxorubicin thiol conjugates and doxorubicin-S-S-cyclic peptide. 253rd ACS National Meeting & Exposition, San Francisco, CA, United States, April 2-6, **2017**, MEDI-162.

149. Riahifard, N.; Tavakoli, K.; Yamaki, J.; Tiwari, R. K.; **Parang, K**. Synthesis and evaluation of antimicrobial activity of levofloxacin-[R_4W_4] and Q-levofloxacin-[R_4W_4] conjugates and comparison with the corresponding physical mixtures. 253rd ACS National Meeting & Exposition, San Francisco, CA, United States, April 2-6, **2017**, MEDI-145.

150. Riahifard, N.; Aldakhil, T.; Nasser, S.; Nunez, F.; Zoghebi, K.; Mozaffari, S.; Yamaki, J.; **Parang, K.**; Tiwari, R. K. Cyclic peptides containing tryptophan and arginine residues: Antibacterial activities and structure-activity relationship. 253rd ACS National Meeting & Exposition, San Francisco, CA, United States, April 2-6, **2017**, MEDI-144.

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152. Kumar, S., **Parang, K.** Design and synthesis of cyclic peptides containing arginine (R) and tryptophan (W) residues and bifunctional groups as drug delivery tools. Drug Discovery and Therapy World Congress Boston, MA July 10-13, **2017**.

153. Sadeghiani, N., Darwish, S., Tiwari, R. K., **Parang, K.** Biological effects of magnetite nanoparticles and magnetohyperthermia technique in different cancer cells. AAPS National Meeting, San Diego, CA, United States, November 15, **2017**, W3070.

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155. Gupta, S., Mozaffari, S., **Parang, K.,** Tiwari, R. Design, synthesis, and evaluation of antiproliferative activities of benzopyran-4-one based heterocyclic compounds. AAPS National Meeting, San Diego, CA, United States, November 15, **2017**, W3066.

156. Lamboy, R., Mozaffari, S., **Parang, K.,** Montazeri, H. Cyclic peptides for siRNA delivery in breast cancer cells. CURSD, Dec. 6, **2017**.

157. Kristedja, T., Park, S.E., Darwish, S., Bisoffi, M., **Parang, K.**, Tiwari, R. Characterization of a prostate targeted peptide-drug conjugate. CURSD, Dec. 6, **2017**.

158. **Parang, K**., Do, H., Sharma, M., El-Sayed, N. M., Mahdipoor, P., Bousoik, E., Montazeri Aliabadi, H. Difatty Acyl-Conjugated Linear and Cyclic Peptides As Molecular Transporters. Gordon Conference: Chemistry and Biology of Peptides, Ventura, CA, United States, February 11-16, **2018**.

159. Fong S, Withana, T, Lantosca E, Lee Y, **Parang, K.,** Yang S. e-Poster Presentation: Effects of nanocurcumin ($[WR]_5$-conjugate) on doxorubicin-induced cardiotoxicity, Hematology/Oncology Pharmacy Association (HOPA) 14th Annual Conference. Denver, CO. March 20-24, **2018**.

160. Zoghebi, K. A.; Elsaid, K. A.; **Parang, K.** CD44-targeted peptide-colchicine conjugates for acute gout attacks**.** 2018 TechConnect World Innovation Conference. W6.359, May 16, **2018**.

161. Alhazmi, R.; Darwish, S.; Fong, S.; **Parang, K.**; Yang, S. Improved anti-tumor activity of a novel APE/Ref-1 inhibitor using a cyclic peptide as nano drug delivery system for melanoma therapy. 2018 TechConnect World Innovation Conference. W6.352, May 16, **2018**.

162. Akinwale, A.; Yamaki, J.; **Parang, K.**; Tiwari, R. Amphipathic fatty acyl-cyclic [W_4R_4K] peptides as antimicrobial agents against pathogenic bacteria. 99th Annual Meeting of the AAASPD in Pomona, California June 13, 2018. Second place in oral presentation.

163. Akinwale, A. D.; Yamaki, J.; **K. Parang**; Tiwari, R. Amphipathic fatty acyl-cyclic [W_4R_4K] peptides as antimicrobial agents against pathogenic bacteria. *256th ACS National Meeting & Exposition*, Boston, MA, United States, August 19-23, **2018**, MEDI-203.

164. Mozaffari, S.; Tavakoli, K.; Khungar, B.; Tiwari, R.; **Parang, K.** Amphiphilic cell-penetrating hybrid cyclic-linear peptides as a drug delivery system. *256th ACS National Meeting & Exposition*, Boston, MA, United States, August 19-23, **2018**, MEDI-249.

165. Coyle M.; Amirrad, F.; Nabiee, R.; Lamboy, R.; Mahdipoor, P.; **Parang K.**, Montazeri Aliabadi H. Simultaneous targeting of mTOR and mLST8 in human breast cancer cells. *AACR Targeting PI3K/mTOR Signaling Special Conference*. Boston, MA. November 30-December 3, **2018**; *Molecular Cancer Research* **2020**, 18 (10), 43-43.

166. Akinwale, A.; Yamaki, J.; **Parang, K.;** Tiwari, R. K. Evaluation of structure-activity relationship of cyclic peptides [W_4R_4] and amphipathic fatty acyl-cyclic [W_4R_4K] as potential antibacterial agents against pathogenic bacteria. *26th American Peptide Symposium*, Monterey, California. June 22 – 27, **2019**.

167. Park, S. E.; Shamloo, K.; Kristedja, T.; Darwish, S.; Bisoffi, M.; **Parang, K.**; Rakesh Tiwari. Fibronectin and integrin-targeted peptide anticancer drug conjugates for prostate cancer. *26th American Peptide Symposium*, Monterey, California. June 22 – 27, **2019**.

168. Mohammed, E.; Mozaffari, S.; Tiwari, R. K.; **Parang, K.** Comparative molecular transporter properties of cyclic peptides containing tryptophan and arginine residues formed through disulfide cyclization. *26th American Peptide Symposium*, Monterey, California. June 22–27, **2019**.

169. Akhtar, U.; Megeressa, M.; Basir, S.; **Parang, K.**; Ahmed, A. Proteomic and cytotoxic characterization of proteins from Cuscuta (Dodder) tendrils. 33rd Annual Symposium of Protein Society June 30-July 3, **2019**. Seattle, WA. *Protein Science*, 2020; 28, 161-162 (Conference Proceeding).

170. Darwish, S.; Mozaffari, S.; Tiwari, R. K; **Parang, K.** Synthesis and evaluation of bicyclic peptides containing arginine and tryptophan residues as molecular,258th ACS National Meeting & Exposition, San Diego, CA, United States, August 25-29, **2019**, MEDI-320.

171. Darwish, S.; Fong, S.; Yang, S.; Tiwari, R. K; **Parang, K.** Synthesis and evaluation of cyclic peptide-dasatinib conjugates as antimelanoma agents. 258th ACS National Meeting & Exposition, San Diego, CA, United States, August 25-29, **2019**, MEDI-321.

172. Kumar, S.; Tiwari, R.; **Parang, K.** Amphiphilic tricyclic peptides: Design, synthesis, and biological evaluation as molecular transporters" 14th Peptide Therapeutics Symposium, October 24-25, **2019**, Salk Institute for Biological Studies, La Jolla, CA.

173. Alasmari, A.; Mozaffari, S.; **Parang, K.**; Montazeri Aliabadi, H. Cyclic-linear hybrid peptides as siRNA delivery system. Gordon Conference: Chemistry and Biology of Peptides, Ventura, CA, United States, February 10-14, **2020**.

174. Akinwale, A. K.; Yamaki. J.; **Parang, K.;** Tiwari, R. K. Fatty acyl-cyclic [W_4R_4K] as potential antibacterial agents against pathogenic bacteria. Chemistry and Biology of Peptides, Gordon Research Conference, Ventura Beach Marriott, Ventura, CA, US. February 10-14, **2020**.

175. Salehi, D.; Mandal, D.; Tiwari, R. K.; **Parang, K.** Amphiphilic cell-penetrating peptides containing natural and unnatural amino acids as drug delivery agents. Chemistry and Biology of Peptides, Gordon Research Conference, Ventura, CA, US. February 10-14, **2020**.

176. Salehi, D, Mohammed, E. H. M, Mandal, D, Tiwari, R., **Parang, K.** Amphiphilic cell-penetrating peptides containing natural and unnatural amino acids as drug delivery tools and antimicrobial agents. *Peptide Therapeutics Symposium*, October 23, **2020**.

177. Lohan, S., Mohammed, E. H. M., Mandal, D., Tiwari, R., **Parang, K.** Design and evaluation of cyclic and linear amphiphilic peptides against multidrug-resistant bacterial pathogens. *Peptide Therapeutics Symposium*, October 23, **2020**.

178. Yu, W., Park, S. H., Zhang, M., Salem, N., **Parang, K.**, Nam, Y. W., Zhang, M. Evaluation of positive allosteric modulators of SK2 channels using QPatch. Society for Neuroscience Global Connectome. January 11-13, **2021**.

179. Salehi, D., Mohammed, E. H. M., Mozaffari, S., Mandal, D., Tiwari, R., **Parang, K.** Amphiphilic Cell-Penetrating Peptides Containing Natural and Unnatural Amino Acids as Drug Delivery Tools and Antimicrobial Agents. ACS Spring 2021 (Virtual Meeting), 261st ACS National Meeting, April 5-16, **2021**.

180. Khayyatnejad, S., Tiwari, R. K., **Parang, K.** Hybrid cyclic-linear cell-penetrating peptides containing alternative positive and hydrophobic residues as molecular transporters. ACS Spring 2021 (Virtual Meeting), 261st ACS National Meeting, April 5-16, **2021**, MEDI.

181. Zoghebi, K., Tiwari, R., **Parang, K.** Cyclic cell-penetrating peptide-doxorubicin conjugate to overcome multi-drug resistance in cancer. Fall **2021** (Virtual Meeting), 262nd ACS National Meeting, 8/25/2021, MEDI.

182. Sajid, M. I., Lohan, S., Kato, S., **Parang K.,** Tiwari, R. K. A physical mixture of antibiotic and synthetic antimicrobial cyclic peptide proves to be more effective than respective chemical conjugate against multi-drug-resistant bacteria. 16th Annual Peptide Therapeutics Symposium, October 21-22, **2021**, La Jolla, CA

183. Lohan, S., Mandal, D., Choi, W., Konshina, A. G., Tiwari, R. K., Efremov, R. G., Maslennikov, I, **Parang, K.** Short cationic membrane active antimicrobial peptides: A detailed structural insight of the membrane-bound peptides using 2D-NMR and molecular dynamic simulations. 16th Annual Peptide Therapeutics Symposium, October 21-22, **2021**, La Jolla, CA.

184. Mandal, D., Lohan, S., Mohammed, E. H. M., Tiwari, R., Montazeri Aliabadi, H., **Parang K.** Peptide-Based Strategy for Nucleic Acid Delivery. 16th Annual Peptide Therapeutics Symposium, October 21-22, **2021**, La Jolla, CA.

185. Zoghebi, K., Sanner, M. F., Hanna, S., Mozaffari, S., Rahighi, S., Tiwari, R. K., **Parang K.** Cyclic peptides containing tryptophan and arginine residues as protein kinase inhibitors. 16th Annual Peptide Therapeutics Symposium, October 21-22, **2021**, La Jolla, CA.

186. Moreno, J., Tiwari, R., **Parang, K.** Hybrid-amphipathic peptides for enhanced antibacterial activity and protein delivery. Spring **2022**, ACS National Meeting, San Diego, **3/23/2022**, MEDI.

187. Kim, L. Tiwari, R., **Parang, K.** Cyclic and linear cell-penetrating peptides composed of tryptophan (WW) and arginine (RR) residues as molecular transporters. Spring **2022**, ACS National Meeting, San Diego, 3/23/**2022**, MEDI.

188. El-Sayed, N. S., Nam, Y. W.**,** Egorova, P, A., Nguyen, H. M., Orfali, R., Rahman, M. A., Yang, G., Wulff, H., Bezprozvanny, I., **Parang, K.,** Zhang, M**.** Structure-activity relationship study of subtype-selective positive modulators of $K_{Ca}2$ channels. Gordon Conference Ca^{2+} Signaling, June 23, 2022. Ventura, CA.

189. Bhakta, K., Helmy. N. M., Moreno, J., **Parang, K.** Cyclic and linear peptides containing tryptophan and arginine residues as antifungal agents. 17th Annual Peptide Therapeutics Symposium, October 20-21, **2022**, La Jolla, CA.

190. Moreno, J., El-Aarag, B., Tiwari, R., **Parang, K.** Combination of hybrid cyclic-linear amphipathic peptides with chemotherapeutic agents as a strategy to enhance anticancer activity. 17th Annual Peptide Therapeutics Symposium, October 20-21, **2022**, La Jolla, CA.

191. Rai, M. S., Imran Sajid, M., Tiwari, R., **Parang, K.** Design, synthesis, and evaluation of oleyl-WRH peptides for siRNA delivery. Spring 2023, ACS National Meeting, 03/26/**2023**, Indianapolis.

192. Tiwari, R.K.; Lohan, S.; **Parang, K.**; Kazeminy, A. Cyclic antimicrobial peptide (IFX-301) as a new generation of antibiotics against multi-drug resistant bacteria. Poster presented at TIDES USA 2023, held May 7 - 10, 2023 at the Manchester Grand Hyatt San Diego, USA.

193. Bhakta, K.; Moreno, J.; Tiwari, R.; **Parang, K.** Cyclic and Linear Peptides Containing Tryptophan and Arginine Residues as Cell-Penetrating Peptides. The 28th American Peptide Symposium, Scottsdale, Arizona, 6/28/2023.

194. Moreno, J.; Zoghebi, K.; Salehi, D.; Kim, L.; Shoushtari, S. K.; Tiwari, R.; **Parang, K.** Amphiphilic Cell-Penetrating Peptides Containing Arginine and Hydrophobic Residues as Protein Delivery Agents, The 28th American Peptide Symposium, Scottsdale, Arizona, 6/28/2023.

195. Rai, M. S.; Imran S. M., Moreno, J.; Tiwari, R.; **Parang, K**. Design, Synthesis, and Evaluation of Oleyl-WRH Peptides for siRNA Delivery, The 28th American Peptide Symposium, Scottsdale, Arizona, 6/28/2023.

196. **Parang, K.**; Tiwari, R.; Mohammed, E.; Lohan, S. Amphiphilic Membrane-Active Peptides: Broad-Spectrum Antibacterial Activity Alone and in Combination with Antibiotics and Structural Insights. The 28th American Peptide Symposium, June 24-June 29, 2023. Scottsdale, Arizona, 6/28/2023.

197. Rai, M. S., Sajid, M. I., **Parang, K.**, Tiwari, R. Silencing of STAT3 Gene in Breast and Ovarian Cancer Cells Using Fatty Acylated Cell-Penetrating Peptides. The 28th American Peptide Symposium, “At the Peptide Frontier”, June 24-June 29, 2023. Scottsdale Arizona. Poster # P080.

198. Moreno, J., **Parang K.** Amphipathic Hybrid Cell-Penetrating Peptide-Doxorubicin Conjugate as a Strategy to Overcome Multi-Drug Resistance and Decrease Cardiotoxicity. 18th Annual Peptide Therapeutics Symposium, October 16-7, 2023, La Jolla, CA.

199. Tiwari, R.; Lohan, S.; **Parang, K.** Design, Synthesis, and Evaluation of Amphipathic Cell Penetrating Peptides Against Multi-Drug Resistant Pathogens. Chemistry and Biology of Peptides, Gordon Research Conference, Ventura, CA, US. February 11-16, **2024.**

200. **Parang, K.**; Tiwari, R.; Mohammed, E.; Lohan, S. Antibacterial Activity of Amphiphilic Peptides with Membrane-Active Properties: Alone and in Synergy with Antibiotics. Chemistry and Biology of Peptides, Gordon Research Conference, Ventura, CA, US. February 11-16, **2024.**

201. Davanidavari, D.; Moreno, J.; Tiwari, R.; **Parang, K.** Design and Evaluation of a Cyclic Peptide-Epirubicin Conjugate to Enhance Anticancer Activity and Reduce Cardiac Toxicity. W1030-02-09, AAPS National Biotechnology Conference, San Francisco, CA, US. May 13-16, **2024**.

202. **Parang, K.**; Mohammed, E.; Yamaki, J.; Tiwari, R.; Mahdieh Z. Piperidine-Based Cyclic Peptides as Antimicrobial Agents. Peptide Materials, Gordon Research Conference, Pomona, CA, US. January 19-24, 2025.

203. Jha, S. K.; Lohan, S.; **Parang, K.;** Maslennikov, I. Specificity of Interaction of Antimicrobial Peptide with Cell Membrane. Biophysical Society Meeting, Los Angeles, CA, US, February 15-19, 2025.

204. **Parang, K., Lohan, S., Mohammed, E. H. M., Helmy, N. M., Jha, S. K., Maslennikov, I.**, Tiwari, R. K., Antimicrobial Peptides, Gordon Research Conference, Ventura, CA, US. Feb. 23-27, 2025.

205. Tiwari, R. K., **El-Sayed, N. S.,** Naziri, A., **Davani Davari, D., Parang, K.** Developing Cyclic Amphipathic Antimicrobial Peptides against Multi-drug-resistant pathogens, Gordon Research Conference, Antimicrobial Peptides, Ventura, CA, US. Feb. 23-27, 2025.

INVITED ORAL PRESENTATIONS

1. **Parang, K.** Chemistry and Biology of Phosphorylation, College of Pharmacy, *Long Island University*, February 2000.

2. **Parang, K.** Chemistry and Biology of Phosphorylation, College of Pharmacy, *Idaho State University*, April 2000.

3. **Parang K.** Chemistry and Biology of Phosphorylation, College of Pharmacy, *University of Illinois at Chicago*, Sept. 8, 2001.

4. **Parang, K. Keynote Speaker,** Implementing Mechanism Based Approaches to Protein Kinase Inhibitor Design and Functional Analysis, *Discovery Tech 2001*, November 28, 2001, Palm Beach, Florida.

5. **Parang, K.** Novel bifunctional Antifungal Agents, Intellectual Property Committee, *University of Rhode Island*, April 24, 2003.

6. **Parang, K. Keynote Speaker,** Designing Bisubstrate Analog Inhibitors for Protein Kinases. *Cambridge Healthtech Institute's Protein Kinase Targets*, Strategies for Drug Development, June 10, 2003, Boston, Massachusetts.

7. **Parang, K.** Bisubstrate Inhibitors of Protein Tyrosine Kinases as Anticancer Agents. Intellectual Property Committee, *University of Rhode Island*, August 6, 2003.

8. **Parang, K. Keynote Speaker,** Novel Approaches in Designing Protein Kinase Inhibitors. *Genentech*, October 3, 2003, San Francisco, California.

9. **Parang, K.** Opportunities in Biology and Chemistry of Phosphorylation for Drug Discovery, *University of Alberta*, Canada, June 10, 2005.

10. **Parang, K.** Chirality in Drug-Receptor Interactions, *University of Alberta*, Canada, June 10, 2005.

11. **Parang, K.** Chemistry and Biology of Phosphorylation, Department of Chemistry, *University of Rhode Island*, Sept. 12, 2005.

12. **Parang, K.** Synthesis of Modified DNA Molecules Containing Diphosphate or Dithiophosphate Bridges Using Novel Diphosphorylating Reagents, Intellectual Property Committee, *University of Rhode Island*, Sept. 16, 2005.

13. **Parang, K.** Evaluation of Reactivity and Stability of Peptides and Proteins for Pharmaceutical Formulations, *University of Rhode Island*, November 18, 2005.

14. **Parang, K.** Chemistry and Biology of Phosphorylation, Department of Medicinal Chemistry, *University of Utah*, January 19, **2006**.

15. **Parang, K.** Chemistry and Biology of Phosphorylation, *Texas Tech School of Pharmacy,* November 20, **2006**.

16. Ahmadibeni, Y., Hanley, M., Agarwal, H. K., **Parang, K.** Applications of polymer-bound phosphitylating reagents in the synthesis of organophosphorus compounds. *233rd ACS National Meeting*, Chicago, IL, United States, March 29, **2007**, ORGN-240.

17. **Parang, K.** Research Experiences and Opportunities at the Interface of Chemistry and Biology, Research Seminar Series, November 23, **2007**, University of Rhode Island.

18. **Parang, K.** Understanding the Regulation, Activation, and Interactions of Protein Tyrosine Kinases for Rational Design of the Next Generation of Inhibitors, *Akron University*, November 27, **2007**.

19. **Parang, K.** Research Experiences and Opportunities at the Interface of Chemistry and Biology Moffit Cancer Center, February 6, **2008**.

20. **Parang K.**, New Strategies in Designing Protein Kinase Inhibitors. *International Conference on the Interface of Chemistry-Biology in Biomedical Research*, Pilani, India, February 23, **2008** (Invited lecture).

21. **Parang, K.** Research Experiences and Opportunities at the Interface of Chemistry and Biology. *The 11th Iranian Pharmaceutical Sciences Conference IPSC2008*, Kerman, August **2008**.

22. Gupta, A., Bothun, G. D., Deluca, R., Ye, G., **Parang, K.** Interaction mechanisms between a homologous series of tripodal cationic peptides and lipid bilayer membranes. *American Institute of Chemical Engineers (AIChE)* annual meeting, Philadelphia, November 16, **2008**, 196/1-196/5.

23. **Parang, K.** Designing protein tyrosine kinase inhibitors, 13th **ISCBC** International Conference on Interplay of Chemical and Biological Sciences, New Delhi, India, Feb. 28, **2009**.

24. **Parang, K.** Design and evaluation of multifunctional anti-HIV agents. Research Seminar Series, University of Rhode Island, July 17, **2009**.

25. Ahmadibeni, Y., **Parang, K**. Solid-phase phosphitylating reagents: design and application in the synthesis of phosphorylated biomolecules. 61st Southeast Regional Meeting of the American Chemical Society, San Juan, Puerto Rico, October 21-24, **2009**, SRM-473.

26. Gupta, A., Deluca, R., Ye, G., Mandal, D., **Parang, K.**, Bothun, G. D. Lipid vesicles, disks, and interlamellar attachments: Aggregation effects of cell penetrating peptides on zwitterionic-anionic vesicles. 238th ACS National Meeting, Washington, DC, United States, August 16-20, **2009**, COLL-053.

27. **Parang, K.** Design and evaluation of multifunctional anti-HIV agents. T3D-2010 International Symposium on Trends in Drug Discovery and Development New Delhi, India, January 5-8, **2010**.

28. **Parang, K**. Nucleoside-polymer conjugates as anti-HIV microbicides. Current Trends in Pharmaceutical Research: Focus on Orphan Diseases, Patna, India, January 10, **2010**.

29. **Parang K.** Research Experiences and Opportunities at the Interface of Chemistry and Biology, University of Puerto Rico Humacao, April 20, **2010**.

30. **Parang K.** Designing Protein Tyrosine Kinase Inhibitors, University of Puerto Rico San Juan, April 21, **2010**.

31. **Parang K.**, Agarwal, H., Doncel G. 5′-O-Fatty acyl ester derivatives of 3′-fluoro-2′,3′-dideoxythymidine (FLT) as microbicidal agents. M2010 Microbicides, Pittsburgh, May 25, **2010**.

32. Gupta, A., Shirazi, A., **Parang K.**, Bothun, G. Self-Assembled Peptide-Amphiphile/Lipid Mixtures Nanoscale Science and Engineering forum session (AIChE 2010 Meeting), November 12, 2010, Salt Lake City, Utah.

33. **Parang K.** Peptide nanostructures as molecular transporters of therapeutic Agents. University of Delhi, India, Jan. 31, 2011.

34. **Parang K.** Designing protein kinase inhibitors. Delhi Indian Institute of Technology, India, Jan. 31, 2011.

35. **Parang K.** Peptide nanostructures as molecular transporters of therapeutic Agents. BITS, Pilani, India, Feb. 2, 2011.

36. **Parang K.** Peptide nanostructures as molecular transporters of therapeutic Agents. ISCBC, Rajkot, India, Feb. 5, 2011.

37. Nasrolahi Shirazi, A.; Tiwari, R.; Mandal, D.; **Parang, K.** Enhanced drug delivery by linear and cyclic peptides containing trypotophan and lysine through capping of gold nanoparticles. 2011 *Southestern Regional Meeting of the American Chemical Society (SERMACS 2011).* Medicinal Chemistry, *Oct. 26, 2011.*

38. Ahmadibeni, Y.; Williams, T.; Seeram, T.; Seeram, N.; **Parang, K.** Triphenylmethanol derivatives: Synthesis and application as acid-base indicators for acid-base titrations. 2011 *Southestern Regional Meeting of the American Chemical Society (SERMACS 2011).* Medicinal Chemistry, *Oct. 27, 2011.*

39. **Parang, K.**, Peptide nanostructures as molecular transporters of therapeutic Agents. Rhode Island College. *February 15, 2012*.

40. **Parang, K.**, Agarwal, H., Doncel, G. Novel lipophilic fatty acyl derivatives of lamivudine and emtricitabine as potential microbicidal agents. *M2012 International Microbicide Conference*, Sydney, Australia, April 18, 2012.

41. **Parang K.** Peptide nanoparticles as molecular transporters of therapeutic agents. Technical University Braunschweig, Germany, May 7, 2012.

42. **Parang K.**, Peptide nanostructures as molecular transporters of therapeutic agents. Roger Williams University, February 20, 2013.

43. **Parang K.**, Molecular modeling of peptide nano self-assemblies. The Rhode Island Consortium for Nanoscience and Nanotechnology. University of Rhode Island, March 6, 2013.

44. **Chikkara, B**., Parang, K. Fatty acyl and peptidic Adriamycin synthesis and evaluation as new Prodrugs with novel pharmacological profile for cancer treatment*" 3rd Annual National Convention of Association of Pharmacy Professionals' Dharmsinh Desai, University, Nadiad, Gujarat, January 18, 2014.

45. **Parang K.** Peptide nanostructures as molecular transporters of therapeutic agents. 11th International Symposium in Pharmaceutical Sciences. Ankara, Turkey, June 9-12, 2015.

46. **Parang K.** Peptide nanostructures as molecular transporters of therapeutic agents. Pacifichem 2015, Honolulu, Hawaii, December 16-20, 2015.

47. **Parang K.** Peptides as Drug Delivery Agents, Chapman University School of Pharmacy, January 13, 2017.

48. **Parang K.** Peptides as Drug Delivery Agents, Summer Undergraduate Research Fellowship Program, Chapman University, July 5, 2017.

49. **Parang K.** Peptides as Drug Delivery Agents, Summer Undergraduate Research Fellowship Program, Chapman University, July 19, 2018.

50. **Parang K.** Medicinal Chemistry for Anti-Infectious Diseases Drug Discovery, H.E.J. Research Institute of Chemistry International Center for Chemical and Biological Sciences, November 14, 2018.

51. **Parang K.** Design and Establishing Structure-Activity Relationship of Amphiphilic Peptides as Antibacterial Agents, H.E.J. Research Institute of Chemistry International Center for Chemical and Biological Sciences, November 14, 2018.

52. Ajayi David Akinwale, Neda Riahifard, Sajid Muhammad Imran, Sandeep Lohan, Jason Yamaki, **Keykavous Parang**, Rakesh Tiwari, Development of Amphipathic Cyclic Peptides

as Antimicrobial Agents against Resistant Pathogenic Bacteria. 15th Annual Keck Graduate Institute Research Symposium. Pomona College, Claremont, CA, January 10, 2020.

53. **Parang, K.** MedicRes Medical research Support, Ankara, Turkey, Cyclic peptides ad drug delivery and antibacterial agents, Virtual Presentation, October 26, 2020.

54. **Parang, K.** COMSTECH (Committee on Scientific and Technological Cooperation for the promotion and cooperation of science and technology), Cyclic peptides Anticancer Drug Delivery, July 13, 2021. Virtual International Presentation https://www.youtube.com/watch?v=m8AcE3msG5k).

55. **Parang, K.** COMSTECH (Committee on Scientific and Technological Cooperation for the promotion and cooperation of science and technology), Overview of Prodrugs, July 26, 2021. Virtual International Presentation (https://www.youtube.com/watch?v=T3377LiaY1Q}.

56. Two broadcasted TV research interviews about COVID-19 treatments (https://www.youtube.com/watch?v=2Iv45oY8uVY; https://www.youtube.com/watch?v=eL7-QZZDG-0)

57. **Parang, K.** Keynote Address, International Conference on Frontiers in Chemical Research, Tiruchirappalli, Tamil Nadu, India, Design and Application of Cyclic Peptides for Anticancer Drug Delivery, February 3, 2022.

58. **Parang K.** Design and Evaluation of Antimicrobial peptides, Department of Chemistry, University of California Irvine, July 6, 2022.

59. **Parang, K.** Keynote Speaker, Global Conference in Pharmaceutical Sciences, Tokyo, Japan, Design and Application of Cyclic Peptides for Anticancer Drug Delivery, March 20, 2023.

60. **Parang K.**, Cyclic Peptide-Doxorubicin Conjugates to Overcome Multi-Drug Resistance and Reduce Toxicity, The 28th American Peptide Symposium, Scottsdale, Arizona, Flash Talk Oral Presentation, 6/27/2023.

61. **Parang K.** Plenary Speaker, Amphiphilic Membrane-Active Peptides: Broad-Spectrum Antibacterial Activity Alone and in Combination with Antibiotics and Structural Insights. XXIX Symposium Bioinformatics and Computer-Aided Drug Discovery. September 18-20, 2023. https://www.way2drug.com/dr/bcadd2023/program.php

62. **Parang, K.** Designing Synthetic Membrane-Active Macrocyclics as Antibacterial Agents. Drug Discovery Chemistry, Cambridge Healthtech Institute 12th Annual, Oral Peptides & Macrocyclics, San Diego**,** April 1-4**,** 2024**.** Invited Oral Presentation. https://www.drugdiscoverychemistry.com/oral-peptides

63. **Parang, K.** Cyclic Peptide-Doxorubicin Conjugates to Overcome Multi-Drug Resistance and Reduce Toxicity, August 16, 2024, University of Nebraska Medical Center, Invited Oral presentation.

64. **Parang, K.** Cyclic Peptide-Doxorubicin Conjugates to Overcome Multi-Drug Resistance and Reduce Toxicity, December 20, 2024, Association of Pharmacy Professionals (APP) 13th Annual International Convention, 7th Indo-Australian Conference at Vijaya Institute of Pharmaceutical Sciences for Women, Vijayawada, Andhra Pradesh, India, Keynote Award Oral presentation.

65. **Parang, K.** Cyclic Peptide-Doxorubicin Conjugates to Overcome Multi-Drug Resistance and Reduce Toxicity, Healthcare Next-2025 February 13, 2025, Hyderabad, India, Keynote Speaker

66. **Parang, K.** Cyclic Peptide-Doxorubicin Conjugates to Overcome Multi-Drug Resistance and Reduce Toxicity, Birla Institute of Technology and Science, February 14, 2025, Hyderabad, India, Invited Speaker

FUNDED GRANT PROPOSALS

My laboratory has been funded with more than **$6.586,951 million** from NIH, American Cancer Society, NSF, Industry, USAID-CONRAD, Kay Foundation, and many other funding agencies since October 2000. About **$2.520,243** million of this amount has been received since my arrival at Chapman. A number of my recent grant applications to NIH and DOD have been scored favorably. I have also managed **$20 million** grant from NIH as INBRE Program coordinator at the University of Rhode Island.

I have been listed among the world's career **top 2% of scientists** (https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7), as reported by Stanford University. My publications have been cited 9,888 times, and my **current h-index is 50** (3/26/2025).

I am ranked at Chapman as the number 12 researcher according to AD Scientific Index: https://www.adscientificindex.com/scientist.php?id=881985

Organizing Conference and Symposiums

Program	Date	Title of symposium
Annual CUSP Research Day	2022, 2021, 2019, 2018	A member of Organizing Committee
USP WCDG-AOAC SCS Conference	Dec. 2017, May 2018, Dec.2018, 2019	Drug Regulatory Affairs
USP WCDG-AOAC SCS Conference	May, Dec. 2015, May 2016	Drug Regulatory Affairs
Fifth Annual AAPS-Northeast Regional Discussion Group planning committee	April 22nd, 2002	Impact of Genome Therapeutics on Drug Delivery
Sixth Annual AAPS-Northeast Regional Discussion Group planning committee	April 28, 2003	Overcoming Physical, Chemical, and Biological Barriers to Drug Delivery
Seventh Annual AAPS-Northeast Regional Discussion Group Planning Committee	April 26, 2004	Cellular Targeting and Drug Delivery
Organizing INBRE Seminar	April 2004-April 2007	Related Topics to Toxicology, Biology, and Drug Discovery
Eighth Annual AAPS-Northeast Regional	April 22, 2005	Successful Prediction of In Vivo Performance of Oral Dosage Forms from In Vitro/ In Silico Studies

Discussion Group Planning Committee		
Ninth Annual AAPS-Northeast Regional Discussion Group Planning Committee	April 28, 2006	Drugs from Discovery to the Clinic
Tenth Annual AAPS-Northeast Regional Discussion Group Planning Committee	April 20, 2007	Methods and Applications for the Optimization of Pre-clinical Oral Dosage Formulations
12th International Conference on The Interface of Chemistry-Biology in Biomedical Research (ISCBC)	February 22-24, 2008	Scientific Advisory Board
Drug Therapy in the 21st Century: Discovery and Clinical Use	September 14, 2012	A member of organizing committee
1st International Conference on Frontiers in Pharmaceutical Sciences: Global Perspectives	September 28-30, 2012	Conference Chair

MAJOR PROFESSOR FOR UNDERGRADUATE STUDENTS, GRADUATE STUDENTS, AND POSTDOCTORAL FELLOWS

I have shown a successful mentorship and collaborative record during my career. In addition to mentoring many faculty, I have supervised 28 postdoctoral fellows or visiting scientists, 33 graduate students, including 14 Ph.D. and 19 M.S. students, and 67 undergraduate students.

Student	**Degree**	**Thesis or Non-Thesis Option**
Ali Saleh	B.Sc.	Summer Student
Amie Tiemo	B.Sc.	Summer Student
Meredith Selecky	B.Sc.	Summer Student
Amelia Lyman	B.Sc.	Summer Student
Carrie Funk	B.Sc.	Summer Student
Megrose Quiterio	B.Sc.	Academic year
Michael Zompa	B.Sc.	Summer Student
Elana Viola	B.Sc.	Academic year
Cang Nguyen	B.Sc.	Summer Student
Sojin Kim	B.Sc.	Summer Student

Phouthone Malayphone	B.Sc.	Academic year
Thuytien Dang	B.Sc.	Academic year
Daravuth Hav	B.Sc.	Academic year
Julia Robidoux	B.Sc.	Summer Student
Victoria Lomas	B.Sc.	Summer Student
Jared Bolton	B.Sc.	Academic year
Brian Sullivan	B.Sc.	Academic year
Kellen McCafferly	B.Sc.	Academic year
Kevin Northup	B.Sc.	Academic year
Matthew Ehtesham	B.Sc.	Academic year
Jimmy Clark	B.Sc.	Academic year
Young Kim	B.Sc.	Academic year
Taryn Miyake	B.SC.	Academic year
Stephani Buchholz	B.SC.	Academic year
Christopher Liu	B.Sc.	Academic year
Kathy Tavakoli	B.Sc.	Academic Year
Vladimir Kozhemyakin	Pharm.D.	Academic Year
Amir Memarian	B.Sc.	Academic Year
Darius Baradarian	B.Sc.	Academic Year
Emi Iwasaki	B.Sc.	Academic Year
Elnaz Kohanbaksh	Pharm.D.	Academic Year
Gerald Gamboa	Pharm.D.	Academic Year
Sean Azizi	Pharm.D.	Academic Year
Kellye Loethen	Pharm.D.	Summer Student
Michael Hanley	Pharm.D.	Summer Student and Academic year
Millie White	Pharm.D.	Summer Student
Hilary Williams	Pharm.D.	Summer Student
Jessica Lehmann	Pharm.D.	Summer Student and Academic year
Kate Waggner	Pharm.D.	Summer Student
Benjamin Carrol	Pharm.D.	Academic year
Nicol Patel	Pharm.D.	Academic year
Derek Joseph	Pharm.D.	Academic year
Neal Russell	Pharm.D.	Academic year
Vasudha Gupta	Pharm.D.	Academic year

Nicole St. Jean	Pharm.D.	Academic year
Duojia Li	Pharm.D.	Academic year
Victor Carlu	Pharm.D.	Academic year
Yuseon Jung	Pharm.D.	Academic year
Jannat Saini	Pharm.D.	Academic year
Na Young Kim	Pharm.D.	Academic year
Amanda Highet	Pharm.D.	Academic year
Lorena Brady	Pharm.D.	APPE Student
Clare Dinh	Pharm.D.	Academic Year
Mahsa Moazen	Pharm.D.	Academic year
Troy Khong	Pharm.D.	Academic year
Lorena Brady	Pharm.D.	Academic Year
Kat Nguyen	Pharm.D.	Academic Year
Danhe Cui	Freshman	Academic year
Na Young Kim	Freshman	Academic year
Kathy Tavakoli	Senior	Academic year
Mathew Ehtesham	Senior	Academic year
Tarra Ghaffari	B.Sc.	Academic Year
Humam Alkhaled	B.Sc.	Academic year
Mary Elkomos	Prepharmacy	Summer student
Veronika Kim	B.Sc.	Academic year
Sitaran Bhavaraju	Ph.D.	Summer Student
Alex Osterloh	B.S.	Academic year
Joseph Olshausen	B.S.	Academic year
Nguyen Hai Nam	Ph.D.	Postdoctoral Fellow
Soroush Sardari	Ph.D.	Postdoctoral Fellow
Anil Kumar	Ph.D.	Postdoctoral Fellow
Yousef Ahmadibeni	Ph.D.	Postdoctoral Fellow
Xianfeng Gu	Ph.D.	Postdoctoral Fellow
Rakesh Kumar Tiwari	Ph.D.	Postdoctoral Fellow
Sitaran Bhavaraju	Ph.D.	Postdoctoral Fellow
Deendayal Mandal	Ph.D.	Postdoctoral Fellow
Ajay Dixit	Ph.D.	Postdoctoral Fellow
Bhupender Singh	Ph.D.	Postdoctoral Fellow
Sandeep Lohan	Ph.D.	Research Associate
Shabban Asd	Ph.D.	Visitor Scientist Postdoctoral fellow
Sunil Kumar	Ph.D.	Postdoctoral Fellow
Ramendra Singh	Ph.D.	Visiting Fulbright Scholar
Mallikarjuna Reddy	Ph.D.	Postdoctoral Fellow

Amir Shirazi	Ph.D.	Postdoctoral Fellow Research Associate
Neda Sadeghiani	Ph.D.	Postdoctoral Fellow Research Associate
Bharti Kungar	Ph.D.	Visiting Professor
Amita Verma	Ph.D.	Visiting Professor
Sumit Kumar	Ph.D.	Postdoctoral Fellow
Dindyal Mandal	Ph.D.	Research Associate
Naglaa Ibrahim	Ph.D.	Postdoctoral Fellow
Shaima Elmowafi	Ph.D.	Postdoctoral Fellow
Bishoy El-Aarag	Ph.D.	Visiting Professor
Naeira Mohamed Helmy	Ph.D.	Postdoctoral Fellow
Mohammad Zaman	Ph.D.	Visiting Professor
Zahra Mahdieh	Ph.D.	Postdoctoral Fellow
Eman Abdel Mansour Mohamed	Ph.D.	Postdoctoral Fellow
Rebecca Pitts	M.S.	Thesis
Guofeng Ye	M.S., Ph.D.	Thesis
Asal Fallah	Ph.D.	Thesis
Hitesh Agarwal	Ph.D.	Thesis
Donghoon Oh	Ph.D.	Thesis
Anju Gupta	Ph.D.	Thesis
Shaban Asd	Ph.D.	Thesis
Bhanu Priya	M.S.	Thesis
Amir Nasrolahi Shirazi	Ph.D.	Thesis
Nasser Sayeh	Ph.D.	Thesis
Naglaa Aboud	Ph.D.	Thesis
Neda Riahifard	M.S.	Thesis
Hung Do	M.S.	Thesis
Saghar Mozaffari	M.S.	Thesis
Saghar Mozaffari	Ph.D.	Thesis
Khaled Zoghebi	M.S., Ph.D.	Thesis
Samara Hanna	M.S.	Thesis
David Salehi	M.S.	Thesis

Ryley Hall	M.S.	Thesis
Abdulaziz Alasmari	M.S.	Thesis
Eman Abdel Mansour Mohamed	Ph.D.	Thesis
Jonathan Moreno	Ph.D.	Thesis
Sorour Khayyatnejad Shoushtari	M.S.	Thesis
Lois Kim	M.S.	Thesis
Khushbu Bakhta	M.S.	Thesis
Abdulelah Alhazza	M.S.	Thesis
Mrigank Rai	M.S.	Thesis
Dorna Davanidavari	M.S.	Thesis
Dorna Davanidavari	Ph.D.	Thesis

SELECTED ALUMNI MENTORED IN MY LABORATORY

1. **Dr. Hitesh Agarwal**, Assistant Professor, South University, College of Pharmacy, Columbia, South Carolina

2. **Dr. Yousef Ahmadibeni**, Associate Professor, Department of Chemistry, Tennessee State University, USA.

3. **Dr. Rakesh Tiwari**, Associate Professor, Western University, USA.

4. **Dr. Deendayal Mandal**, Associate Professor, School of Biotechnology, KIIT University, Bhubaneswar, Orissa, India.

5. **Dr. Nguyen Hai Nam**, Professor, Hanoi University of Pharmacy, Vietnam.

6. **Dr. Anil Kumar**, Professor, Birla Institute of Technology and Science, India.

7. **Dr. Xianfeng Gu**, Assistant Professor, Fudan University, China.

8. **Dr. Ajay Kumar Dixit**, R&D Associate Scientist, ITC R&D Centre, Peenya Industrial Are, Bangalore, India.

9. **Dr. Sumit Kumar**, Associate Professor, Department of **Chemistry**, DCR University of Science and Technology (**DCRUSTM**) Murthal, Sonepat, Haryana, India

10. **Guofeng Ye**, Scientist II, Agilux Laboratories, Previously in Novartis Institutes for Biomedical Research, NIBR, Cambridge, MA

11. **Hitesh K. Agarwal**, Senior Postdoctoral Researcher, Mount Sinai Medical Center.

12. **Aimee Gagnon,** Research Associate, Ipsen

13. **Rebecca Pitts,** Scientist II, Novartis Institutes for Biomedical Research

14. **Sitaran Bhavaraju**, US Pharmacopeia.

15. **Carrie Funk**, Pfizer.

16. **Jessica Lehmann,** Resident, Baylor College of Medicine, Dallas

17. **Michael Hanley,** Ph.D., Clinical Pharmacology Contractor, Millennium Pharmaceuticals Inc.

18. **Benjamin Carroll**, Pharm.D., M.S., Postdoctoral Fellow at Johnson and Johnson.

19. **Kellye Loethen**, Pharm. D., Pharmacy Resident, Naval Medical Center San Diego.

20. **Victoria Lomas**, B.S., AmeriCorps NCCC FEMA Corps.

21. **Hung Do**, M.S., Regulatory Affairs Manager, CH Labs, California, Currently FDA

22. **Saghar Mozaffari,** Ph.D., Edward Lifesciences, California

23. **Ryley Hall**, M.S., Bristol Myer Squibb, Washington

24. **Bhanu Priya Pemmaraju**, M.S., Eli Lilly, Indianapolis

25. **Sorour Khayyatnejad**, M.S., Allergen, California

26. **Neda Sadeghinia**, Ph.D., Nitto Pharmaceutical

27. **Jonathan Moreno,** Ph.D., Axar Laboratories