Curriculum Vitae

Notarization. I have read the following and certify that this curriculum vitae is a current and accurate statement of my professional record.

Signature_____________________________________
Date_____________________

- Please organize your CV using the headings and sub-headings in this template.
- In general, do not list a work or activity more than once.
- Certain sections with numerous sub-categories include a special sub-category for historical data in which you can group, for convenience, all items from 10+ years ago.

I. Personal Information
I.A. UID, Last Name, First Name, Middle Name, Contact Information
113965906
Tikekar, Rohan Vijay
112 Skinner Building, College Park, MD 20742
301-405-4509
rtikekar@umd.edu

I.B. Academic Appointments at UMD
Assistant Professor, Department of Nutrition and Food Science
January 2015-present

I.C. Administrative Appointments at UMD
Include specific dates

I.D. Other Employment
Include specific dates

I.E. Educational Background
Doctor of Philosophy (Food Science, Pennsylvania State University) (2010)
Master of Science (Food Science, Rutgers- the State University of New Jersey) (2006)
Bachelor of Technology (Institute of Chemical Technology, Mumbai, India) (2004)

I.F. Professional Certifications and Licenses

II. Research, Scholarly and Creative Activities
For each of the categories listed below follow these guidelines:
- List published works first, in either chronological order or its inverse, followed (or preceded) by works not yet published but accepted for publication.
- If pre-print electronic publication (epub) exists, indicate and include URL and anticipated date of print publication.
- Submitted works under review or in progress should be listed in section II.L.
- Include page numbers as part of a complete citation for publications.
Use the appropriate sub-headings for authored vs. edited works and between refereed vs. non-refereed outlets.

All authors should be listed in the order they appear on the publication.

When the work is a product of a large group (more than 10 authors), not all authors need be listed. As an example, the first three, the last three, and the individual him/herself (including his/her place in the total author list) may be listed.

Authorship roles on published works are considered for APT purposes. As such, if relevant, use the following diacritics for works published within the past 10 years:

- Use a ^ (caret) to designate the author with intellectual leadership on jointly authored papers (if it can be appropriately ascertained).
- Use a # (hash tag) to identify co-authors you mentored as undergraduate and graduate students, postdoctoral researchers, faculty research assistants, and junior faculty.
- Use an * (asterisk) to identify which author is the corresponding author.

II.A. Books (include full citation information and ISBN)
II.A.1. Books Authored (specify original or revised edition)
II.A.2. Books Edited
II.A.3. Books Translated (as translator)
II.A.4. Textbooks
II.A.5. Major Reference Works
II.A.6. Exhibition Catalogs
II.A.7. Other

II.B. Chapters
II.B.1. Books


II.B.2. Collections
II.B.3. Encyclopedia

II.B.4. Series
II.B.5. Research Paper
II.B.6. Other

II.C. Articles in Refereed Journals


II.D. Published Conference Proceedings
II.D.1. Refereed Conference Proceedings
II.D.2. Non-Refereed Conference Proceedings
II.D.3. Historical Conference Proceedings (10+ years ago)
II.D.4. Other

II.E. Conferences, Workshops, and Talks
II.E.1. Keynotes
II.E.2. Invited Talks


II.E.3. Refereed Presentations


_ represents the actual presenter of the talk.

II.E.4. Refereed Abstracts
II.E.5. Refereed Posters


II.E.11. Symposia

II.E.12. Workshops
II.E.13. Colloquia
II.E.14. Historical Conferences, Workshops, Talks (10+ years ago)
II.E.15. Other

II.F. Professional Publications
II.F.1. Reports and Non-Refereed Monographs
II.F.2. Pre-Print/Working Paper (Not Work in Progress)
II.F.3. Legal Briefs
II.F.4. Policy Briefs
II.F.5. Other

II.G. Book Reviews, Notes, and Other Contributions
II.G. 1. Book Reviews
II.G. 2. Essays
II.G. 3. Notes
II.G. 4. Manuals
II.G. 5. Other

II.H. Completed Creative Works
II.H.1. Digital Media (e.g., CDs, DVDs)
II.H.2. Datasets
II.H.3. Constructed Projects
II.H.4. Demonstrations
II.H.5. Inventions
II.H.6. Original Plans and Designs
II.H.7. Photography
II.H.8. Software and Applications
II.H.9. Websites
II.H.10. Exhibitions and Installations
II.H.11. Curatorial Practice
II.H.12. Performance or Interpretation – Performing Arts
II.H.13. Direction - Performing Arts
II.H.14. Production - Performing Arts
II.H.15. Costume, Stage, Multimedia, and Theatrical Design
II.H.16. Artistic and Graphic Design
II.H.17. Dramaturgy
II.H.18. Artwork
II.H.19. Choreography
II.H.20. Playwriting, Screenwriting, and Musical Composition
II.H.21. Works of Creative Writing
II.H.22. Performance or Interpretation - Film, Video, and Multimedia
II.H.23. Direction - Film, Video, and Multimedia
II.H.24. Production - Film, Video, and Multimedia
II.H.25. Citations and Reviews
II.H.26. Historical Completed Creative Works (10+ years ago)
II.H.27. Other
II.I Significant Works in Public Media
Specify the following – Title, Publication/Media Name, Contributors, Types (Print, online, broadcast, video, documentary)
II.I.1. Explanatory, Investigative, or Long-Form Journalism
II.I.2. Other Significant Journalism
II.I.3. Commentary/Analysis
II.I.4. Interactive Online Database
II.I.5. Other

II.J. Sponsored Research
List source, title, amount awarded, time period and role (i.e. principal investigator or co-investigator) in reverse chronological order or its inverse. If there are co-investigators, please list these.
II.J.1. Grants

1. NIFA-Food Safety Challenge, June 2015- May 2020, An integrated approach to Eliminate Cross-Contamination during Washing, Conveying, Handling and Packaging of Fresh Produce. USD 4.75 M (Role: Co-PI; PI: Dr. Nitin Nitin, Y1: $30,998)

2. NIFA-Foundational program, Jan 2014-December 2017, Synergistic interaction between ultraviolet light and a novel photosensitizer for enhanced microbial food safety of fresh produce. USD 382,000 (Role: PI, Co-PI: Dr. Nitin Nitin).

3. Drexel Institute for Energy and Environment, July 2015-December 2014, Novel Photochemical and Biological Processes for Decontamination of flow-back water from hydraulic fracturing of the marcellus shale. USD 50,000 (Co-PI: Dr. Christopher Sales, grant eventually transferred to Co-PI upon departure from Drexel)

4. American Chemical Society-PRF, September 2013-Aug 2015, Engineering of physical properties of interface to reduce oxidation in emulsions. USD 50,000 (Role: PI).

5. Center for Produce Safety, March 2012, Rapid assessment of oxidative stress induced in microbes to evaluate efficacy of sanitizers in wash water. USD 130,000 (Role: Co-PI, $29,000, PI: Dr. Nitin Nitin).


II.J.2. Contracts

1. USDA-ARS (Specific cooperative agreement), September 2012- December 2014, Prevalence, levels and types of Listeria monocytogenes in higher risk foods. USD 439,545 (Role: PI).

II.J.3. Other

II.K. Fellowships, Gifts and Other Funded Research
II.K.1. Fellowships
II.K.2. Gifts
II.K.3. Other

II.L. Submissions and Works in Progress
List press, journal, or granting agency.

II.L.1. Current Grant Applications

II.L.2. Manuscripts in Preparation
II.L.3. Manuscripts under Review (indicate status: submitted or revising to resubmit)
II.L.4. Working Papers in Preparation
II.L.5. Designs in Preparation
II.L.6. Other

II.M. Centers for Research, Scholarship, and Creative Activities
Specify Name of the Center, Description of Center, Collaborators, Start and End Dates.
II.M.1. Centers Established
II.M.2. Centers Directed
II.M.3. Symposia Organized (through center)
II.M.4. Other

II.N. Patents
II.N.1. Device
II.N.2. Other

II.O. Other Research/Scholarship/Creative Activities
III. Teaching, Mentoring and Advising.

III.A. Courses Taught
University of Maryland-College Park
NFSC 412/679 Food Processing Technology, spring 2015, enrolment 31

Drexel University
FDSC 506 Food Comp. and Behavior (F11, 12, 13 W12 Average enrolment 15)
FDSC 480/680 Food Engineering (F11, 12, 13, 14 Average enrolment 12)
FDSC 456/556 Food Preservation Processes (F12, 13, 14 average enrolment 20)
FDSC 461/561 Food Analysis (W12, 13 average enrolment 14)
FDSC 460/560 Food Chemistry (W13, 14 average enrolment 20)
FDSC 669 Reading in Food Science (S13, 14 average enrolment 15)
FDSC 480/680 Food Manufacturing Technology (S12, enrolment 12)
FDSC 480/680 Seminar in Food Science (F12, enrolment 7)

III.B. Teaching Innovations
III.B.1. Major Programs Established
III.B.2. Education Abroad Established
III.B.3. Software, Applications, Online Education, etc.
III.B.4. Instructional Workshops and Seminars Established
III.B.5. Course or Curriculum Development
III.B.6. Historical Innovations (10+ years ago)
III.B.7. Other

III.C. Advising: Research or Clinical
This refers to students whose projects the faculty has supervised as adviser, committee chair, or committee member (indicate role). The name of student, academic year(s) involved, and the name of institution if other than UMD should be indicated, as well as placement of the student(s), if the project is completed. List completed work first.

III.C.1. Undergraduate
Sharifa Davis, 2013, Drexel University

III.C.2. Master’s
Thesis adviser
Heather Dolan, 2015-
Qiao Ding, 2015-
Qingyang Wang, 2013-2014, Drexel University, currently pursuing Ph.D. at the University of Maryland-College Park
Aachen Elsinghorst, 2012-2013, Drexel University, currently working in Barry Callebaut Chocolate Inc. ®
Yuan Zhao, 2011-2012, Drexel University, currently working in Promotion in Motion®
Graduate Project Adviser
Lila Haddouche, 2014, Drexel University, currently working in Bimbo Bakery Inc. ®
Aditi Phalak, 2014, Drexel University.
Committee member
Shaila Nayak, 2015, Drexel University, currently working at Kargher Corporation

III.C.3. Doctoral
Dissertation Adviser
Qingyang Wang, Expected 2018
Committee member
Abhinav Mishra, Expected 2016

III.C.4. Post-doctoral
Dr. Duygu Ercan, 2014-Current
Dr. Andrea Cossu, 2014-Current, University of California-Davis

III.C.5. Other Research Directions (K-12 Interactions)

III.D. Mentorship
III.D.1. Junior Faculty
III.D.2. Other

III.E. Advising: Other than Research Direction
III.E.1. Undergraduate
III.E.2. Master’s
III.E.3. Doctoral
III.E.4. Post-doctoral
III.E.5. Other Advising Activities
(Include advising student groups, special assignments, recruiting, etc.)

III.F. Professional and Extension Education
III.F.1. Professional Programs Established
III.F.2. Major Extension Programs
III.F.3. Workshops
III.F.4. Other

III.G. Other Teaching Activities
IV. Service and Outreach

IV.A. Editorships, Editorial Boards, and Reviewing Activities
*Include participation for journals and other learned publications (print and electronic).*

IV.A.1. Editorships

IV.A.2. Editorial Boards
Food Research International, 2011-Current

IV.A.3. Reviewing Activities for Journals and Presses
Food Research International (42 as of 2015)
Journal of Agricultural and Food Chemistry (18 as of 2015)
LWT-Food Science and Technology (5 as of 2015)
Journal of Food Science (3 as of 2015)
Journal of Food Engineering (2 as of 2015)
Transactions of ASABE (2 as of 2015)
Langmuir (1 as of 2015)
JAOCs (1 as of 2015)
Innovative Food Science and Emerging Technologies (1 as of 2015)
Journal of Biomedical Materials Research (1 as of 2015)

IV.A.4. Reviewing Activities for Agencies and Foundations
1. Panel member for research grant program NASA/NSBRI 2013-2014 Crew Health Step-2 Review
2. National Institute of Food and Agriculture: Reviewer panel member for the program ‘Nanotechnology for Agriculture and Food Systems program’ 2013
3. Invited reviewer for ‘Maryland Industrial partnerships (MIPS)’ research grant, 2013

IV.A.5. Reviewing Activities for Conferences
1. Reviewer for Food Engineering track graduate poster award competition at IFT-AMFE in 2015, Chicago, IL.
Annual Meeting scientific program track team reviewer for Institute of Food technologists- Annual Meeting and Food Expo in 2014, New Orleans, LA

IV.A.6. Historical Editorships, etc. (10+ years ago)

IV.A.7. Other

IV.B. Committees, Professional & Campus Service
IV.B.1. Campus Service - Department
IV.B.2. Campus Service - College
IV.B.3. Campus Service - University
IV.B.4. Campus Service - Special Administrative Assignment
IV.B.5. Campus Service - Other
IV.B.6. Offices and Committee Memberships
IV.B.7. Leadership Roles in Meetings and Conferences
IV.B.8. Other Non-University Committees, Memberships, Panels, etc.
IV.B.9. Historical Committees, etc. (10+ years ago)

IV.B.10. Other

IV.C. External Service and Consulting
IV.C.2. International Activities
IV.C.3. Corporate and Other Board Memberships
IV.C.4. Entrepreneurial Activities
IV.C.5. Consultancies (to local, state and federal agencies; companies; organizations)
IV.C.6. Historical External Service and Consulting (10+ years ago)
IV.C.7. Other

IV.D. Non-Research Presentations
IV.D.1. Outreach Presentations
IV.D.2 Other

IV.E. Media Contributions
IV.E.1. Internet
IV.E.2. TV
IV.E.3. Radio
IV.E.4. Digital Media
IV.E.5. Print Media
IV.E.6. Blogs
IV.E.7. Feeds
IV.E.8. Other

IV.F Community & Other Service
V. Awards, Honors and Recognition
V.1. Research Fellowships, Prizes and Awards
1. Best research paper award, phospholipids division-American Oil Chemists Society, 2014
2. Dean’s award for outstanding scholarship, Drexel University, 2012
3. Frank Dudek graduate scholarship for academic excellence, Pennsylvania State University, 2008-2009
4. Albert Kleinman scholarship for academic excellence, Rutgers University, 2006-2007
5. Second prize for the poster presentation at Conference on Functional Foods and Nutraceuticals, Istanbul, Turkey, 2006
6. The best undergraduate project, Institute of Chemical Technology, India, 2004
7. The best student award by the Association of Food Scientists and Technologists, India, 2004

V.2 Teaching Awards
1. Outstanding Teaching Assistant scholarship, Pennsylvania State University, 2009

V.3 Service Awards and Honors
V.4 Recognition in Media
V.5 Other Special Recognition

VI. Other Information