

## **Jyoti R. Wagle, Ph.D.**

### **Curriculum Vitae**

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#### **Education:**

- IT Courses Digital Communication, Houston Community College (SW), 2004-06
- Ph.D. Ohio University, Ohio, 1980
- M. Phil Jawaharlal Nehru University, New Delhi, India, 1975
- M.S. Delhi University, Delhi, India, 1974
- B.S. (Honors) Delhi University, Delhi, India, 1972

#### **Awards and Honors**

- Chancellor's Eagle Award, 2012
- Nominated for Minnie Stevens Piper Award, 2006
- Sabbatical Leave to train in computer graphics, animations and web design, 2004
- HCC Outstanding Service and Dedication as Department Chair, 1997, 2000
- Anthony Chee Teaching Excellence Award, 1998
- HCC- Outstanding Achievement in Teaching Innovation Award, 1995, 1998, 2001
- Chancellor's Award for Outstanding Service, 1998
- National Association of Staff & Organizational Development (NISOD) Award, 1994
- HCC Faculty Association Teaching Excellence Award, 1994
- "Who's Who Among America's Teachers", 1996, 1998, 2000, 2001, 2002, 2004, 2005, 2006, 2008

#### **Grants and Fellowships**

- **HCC Undergraduate Research Coordinator**, HCC-UST HSI STEM Articulation Grant (**\$5,900,000**), 2011-2016  
Recruited and coordinated undergraduate STEM research program for HCC students and faculty
- **Project Director**, Chancellor's Innovation Fund Award (**\$50,000**), 2013-2014  
Designed, developed and delivered interactive eLabs for flexible course offering
- **PI and Faculty Advisor**, NSF STEM Scholarship Grant (**\$491,728**), 2009-2013  
Provided scholarship and mentorship to select HCC STEM students
- **Project Director**, Chancellor's Innovation Fund Award (**\$89,000**), 2011-2012  
To design and develop lab review pages for 5 biology courses
- **PI and Project Manager**, Dept. of Defense Instrumentation and Curriculum Development Grant (**\$143,000**), 2000

- **Course Developer**, Fellowship for the development of Master Courses for Human Anatomy & Physiology I & II, 2005, 2008, 2011
- Title V Fellowship to develop Cat Dissection Lab Study Pages, 2007
- Title V Faculty Grant to develop General Biology I & II Lab Study Pages, 2002
- HCC- IMC Faculty Fellowship for computer graphics and animations, 2003, 2004
- Bedichek Professional Enrichment Grants, 1992, 1994, 1998, 2001, 2005, 2009
- HCC Staff & Instructional Services (SIS) Grants, 1991, 1993, 1996
- NSF Team Instrumentation Grant, 1991
- Research & Postdoctoral Fellowships, UT Medical School & UT M.D. Anderson Cancer Center, 1980-1989

### Technology Experience and Skills

- Technology Training:  
WebCT, Moodle, Blackboard, and Canvas Learning Management Systems  
Graphics software (Photoshop, Illustrator) Animations software (Flash, 3D Max, Scripting)  
Web design software (Dreamweaver, Fireworks, HTML, CSS) Basic and Advanced Certification in Technology, 2004, 2005
- Major Technology Projects:  
Developed HCC system-wide Lab Review Pages <http://hccs.edu/biologylabs> (for BIOL 1306, 1407, 2101, 2102, 2120), 2012  
Developed online eLabs for General Biology I lab course (BIOL 1406), 2014  
Developed online eLabs for Introductory Biology I lab course (BIOL 1108), 2015  
Created graphics for 5 Lab Manuals  
Developed Master courses for Human Anatomy & Physiology I & II, Five Lab Courses  
Created documents for 5 lab courses with a comprehensive list of specific links of lab study pages and YouTube videos for each lab exercise, 2020  
Created editable lab reports for 4 lab manuals that students can download, complete and submit in Canvas for grading, 2020  
Developed Canvas Master Course Sections for 5 Lab Courses, 2020
- Web Developer:  
Trained on Vignette and TerminalFour systems to design and develop HCC webpages  
Developed and maintained:  
Central College Biology & Physical Sciences Department (Till 2014)  
NSF STEM Scholarship Program (Till 2013)  
STEM website for HCC students ([hccs.edu/stem](http://hccs.edu/stem))  
HCC STEM Research website (Till 2016)

### Teaching Experience

- **Biology Professor, 1989 – Present** Houston Community College  
Taught Traditional, Web-enhanced, Hybrid, and Distance Education courses:  
Introductory Biology I & II (BIOL 1308, 1309, 1108), General Biology I & II (BIOL 1406, 1407), Human Anatomy & Physiology I & II (BIOL 2301, 2101, 2302, 2102), Microbiology (BIOL 2320, 2120)  
Learning Community Co-teaching (2010-2011)
- **Department Chair, 1995-2000**  
Biology Department, HCC Central College

- **Web Contributor**  
Development and maintenance of STEM Website
- **Faculty Advisor**  
Science Club at Central (2010-2011)  
NSF STEM Scholarship Program (1995-2013)  
UST/HCC Undergraduate Research Program (2011-2016)  
Student Support Services Program (1998-2012)
- **Master Course Developer**  
Developed Eagle Online Master courses (BIOL 2401, 2402)
- **Project Director**, developed lab study pages <http://hccs.edu/biologylabs>  
(BIOL 1406, 1407, 2401, 2402, 2420)  
Developed interactive eLabs (BIOL 1406, 1108)
- **Editor and author for lab manuals**  
(BIOL 1108, 1406, 1407, 2401, 2402, 2420)

### **Publications and Presentations**

- Editor and Author of lab manuals:  
General Biology I & II  
Human Anatomy & Physiology I & II  
Microbiology  
Introductory Biology I
- Author of Study Guides:  
Biology: The Dynamic Science by Russell, Cengage Learning Publishers
- Technology presentations at:  
Benjamin-Cummings Leadership Conference  
HCC Distance Education Workshop  
HCC Annual Faculty Conference  
Supercomputing Conference  
NMC Online Conference  
Title V Faculty Development  
Conference WebCT Texas Conference

### **Committees Served**

- Biology Discipline Committee (1990-present)
- Introductory Biology, General Biology, human Anatomy & Physiology, Microbiology Curriculum Subcommittees (1999-present)
- Hiring Committees for selection of Vice Chancellor, Academic Dean, Student Support Dean, Biology Faculty, & Biology Lab Assistant (1990-present)
- NSF CSEMS & STEM Faculty Advisor Committee (1995-2013)
- Houston Pathways Initiative Committee (2009-2011)
- Central College Lunch & Learn Committee (2009-present)
- HCC Teaching Circle Committee (2008-2012)
- HCC Faculty Association Delegation committee (1997-2004)
- TCCTA Professional Development Committee (2001-2003)
- HCC Faculty Conference Committee – Co-Chaired & Facilitator (1999-2001)
- HCC – Central College Technology Committee (2006-2008)
- HCC Achieving the Dream Committee (2008-2009)

- HCC Values & Ethics Committee (2005-2006)
- HCC – Central College Strategic Planning Committee (2008)
- eLearning Guild Committee for Technology & Teaching Innovations (2005-present)

### **Community Service**

- Docent, Houston Museum of Natural Sciences  
Dr. von Hagens Body Worlds Exhibit (2006, 2008), CSI: Crime Scene Mystery (2008), Mummied Dinosaur (2008)
- Bone Marrow Registry Drive, 2012
- Judge & HCC Award Presenter, Texas State and SW Division of Science & Engineering Fair (1995-2003)
- Evaluator for Fort Bend ISD Mentorship Program (2006-2012)