

(Hindi Vidya Prachar Samiti's RAMNIRANJAN JHUNJHUNWALA COLLEGE of Arts, Science & Commerce)

College is recognized under Section 2(f) & 12(B) of the UGC Act, 1956

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01.01.2024

#### NOTICE

Department of Botany, under COCO – "Career Options and Career Opportunities" is organizing a Guest Lecture for the benefit of all UG & PG students of Botany on Thursday, 4<sup>th</sup> January 2024.

#### Details of Guest Lecture:

Invited Speaker

Dr. Tushar D Bhagat

Research Assistant Professor

Albert Einstein college of Medicine

New York

Topic

"Careers in Botany"

Date

4th January 2024

Time

10.00 am - 11.00 am

Venue

MPSS Hall

All are cordially invited.

Dr. Himanshu G Dawda

HoD, Department of Botany

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1st January 2024

#### NOTICE

#### **DEGREE COLLEGE**

Department of Botany under COCO – Career Options and Career Opportunities is organizing a Guest Lecture – Talk on Careers in Botany by Dr. Tushar D Bhagat, Research Assistant Professor, Albert Einstein College of Medicine, New York. Students of TYBSc Botany are requested to attend the talk on **Thursday**, **4**<sup>th</sup> **January 2024** at **10 am** in **MPSS Hall**.



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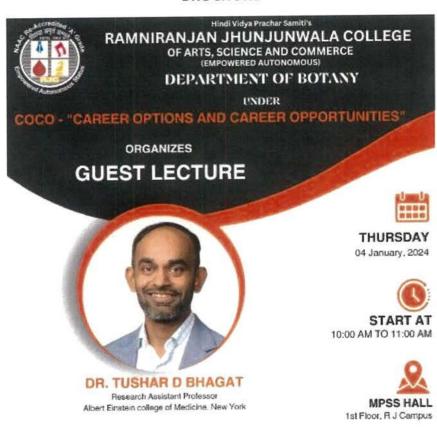
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#### **BROCHURE**



# TALK ON CAREERS IN BOTANY

WHO CAN ATTEND

All UG & PG Students of Botany





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2019: Star College Status by DBT

## Tushar D. Bhagat, Ph.D., M.S., M.S., M.Sc.

Associate Director of Research, MPN Research Foundation, IL Research Assistant Professor, Albert Einstein College of Medicine, Montefiore Medical Center, NY Adjunct Assistant Professor, Teachers College, Columbia University, NY tushar.bhagat@phd.einstein.yu.edu, (404) 358-4266

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6	Nov 2020	Brown University	MBSR: 1-on-1 Mentoring with Lynn Koerbel (Aug 18-Nov 11)
7	Oct 2020	Barre Center for Buddhist Studies	Satipaṭṭhāna Meditation online course (Oct 11-Dec 12) guided by Bhikkhu Anālayo
8	Oct 2020	Brown University	$\mathbf{MBSR}:$ Teaching MBSR online Level I, 4 weeks (Sept. 28-Oct 19) Online with Eowyn Ahlstrom
9	June 2020	Brown University	<b>MBSR:</b> The Practice of Inquiry in Teaching Mindfulness-Based Programs: A professional training to strengthen your skills as a teacher (May 27-June 24 2020, 5 Weeks, ~16 hours training) with Florence Meleo-Meyer
10	Apr 2020	Barre Center for Buddhist Studies	Neuroscience of Craving Mind: Getting Hooked, and Stepping Out of Our Samsaric Habit Loops (JB2) with Judson Brewer, Robin Boudette (April 24-26, 2020)
11	Mar 2020	Brown University	$\bf MBSR$ skills building workshop (Jan-Mar 2020) (32 hour formal training) with Dawn McDonald.
12	Nov 2019	Barre Center for Buddhist Studies	"The neurobiology of Compassion," with Ven. Analayo and Diego Hangartner, at the Barre Center for Buddhist Studies (4 days, Barre, MA) (Nov 21-24, 2019)
13	Mar 2019	University of Massachusetts Medical Center	MBSR-PTI (Practice Teaching Intensive, with Bob Stahl and Elana Rosenbaum, March 19-27, 2019, 72 hour training)
14	Feb 2019	Institute for Mindful Leadership	Finding the Space to Lead Online Workshop: 4-week online course with Janice Marturano, February 2019, 8 hours training
15	July 2018	University of Massachusetts Medical Center	MBSR Fundamentals (with Florence Meleo-Meyer and Kassim Al-Mashat, July 2018, 72 hour interactive training)
16	May 2018	Jewish Community Center, NY	MBSR: University of Massachusetts Medical Center approved MBSR course (27 hours course with additional 46 hours total daily practice; with Elaine Retholz, April-May 2018)
17	June 2008	Albert Einstein College of Medicine	MBSR: University of Massachusetts Medical Center approved MBSR course (27 hours course with additional 46 hours total daily practice; with Jon Aaron, April-June 2008)

## 1B] MBSR (21 cycles) & Meditation teaching experience

	Date	Organization	Course taught/Ongoing/scheduled
1	July 2021- Aug 2022	Teachers College Columbia University	Teaching the Summer Principles Academy (SPA)-Self Awareness Training (SAT) NYC course to the Masters Students. These students are either existing or aspiring school Principles. I was invited to update and teach the curriculum based on MBSR.
2	2019- 2020	Einstein- Montefiore	Teaching Meditation to Cancer Patients: BOLD Cancer Clinic at Einstein College of Medicine-Montefiore Medical Center, Bronx NY (2019-present)
3	Dec 2021- Mar 2022	The <b>Brooklyn</b> <b>Hospital</b> Center	A workshop series based on MBSR, designed for medical residents to understand the physiology and neuroscience of stress and burn out, and to learn translational coping mechanisms to reverse it and develop resilience
4	July 2023	Mindful Leader	8-week online Mindfulness Based Stress Reduction (MBSR) course at The Mindful Leader (July-September 2023, Sunday course)
5	Jan 2023	Mindful Leader	8-week online Mindfulness Based Stress Reduction <b>(MBSR)</b> course at The Mindful Leader (January 7th - March 4th 2023, Saturday course)

... 3 ...



29	Jul 2019	Homeless Youth Center	Weekly meditation teaching at homeless youth shelter in NYC (2019-2020)
30	Mar 2020	Community of Mindfulness New York Metro	Day of mindfulness: All day online-meditation teaching at the Riverside meditation group ( $\underline{\text{March 2020}}$ )
31	Feb 2019	Community of Mindfulness New York Metro	Day of mindfulness: All day meditation teaching at the Riverside meditation group ( $\underline{\text{Feb 2019}}$ )
32	Feb 2016	Wake Up New York, New York NY	Have been facilitating at a Zen-Thich That Hanh tradition weekly meditation in a young adult group- Wake Up New York in New York City since 2016.

#### 1C] Personal meditation practice

Dr. Bhagat maintain a daily formal sitting meditation practice along with informal practices integrated in my regular life such as walking meditation, eating meditation, mindful activities, etc for the past several years. I supplement my practice with a 7-10 day silent meditation retreat a year or more and some weekend retreats such as the following:

#### Meditation retreats attended

1	Oct 2023	Vipassana Meditation Center, Dhammadhara, Shelbourne Falls, MA	10-Day silent meditation retreat (Goenka Vipassana) October 11-October 20, 2023 (Future retreat scheduled)
2	Mar 2023	Vipassana Meditation Center, Dhammadhara, Shelbourne Falls, MA	9-Day silent meditation retreat (Goenka Vipassana) March 16-March 26, 2023
3	Mar 2021	Vipassana Meditation Center, Dhammadhara, Shelbourne Falls, MA	10-Day silent meditation retreat (Goenka Vipassana) March 17-March 28, 2021
4	Nov 2019	Mt. Carmel Retreat Centre, Niagara, Ontario, CANADA)	8-Days silent meditation retreat by Shinzen Young (Community for Mindful Living (CML), Unified Mindfulness
5	Aug 2019	Vipassana Meditation Center, Dhammadhara, Shelbourne Falls, MA	10-Day silent meditation retreat (Goenka Vipassana) August 7-August 18, 2019
6	Jan 2019	Insight Meditation Society, Barre MA	8-Days silent Meditation retreat at the Insight Meditation Society, with Akincano, Jaya Rudgard, and Chris Cullen (Meditation teacher for the British Parliament) (Barre, MA)
7	Dec 2019	Blue Cliff Monastery, Pine Bush NY	4-days retreat at Blue Cliff Monastery (28th-Jan 1st 2018-2019, Pine Bush, NY)
8	Nov 2018	Mt. Adams Zen Center & Trout Lake Abbey, Trout Lake, WA	5-days silent meditation retreat on suffering at Mt. Adams Zen Center & Trout Lake Abbey,
9	Nov 2016	Blue Cliff Monastery, Pine Bush NY	2-days partially silent meditation retreat at Blue Cliff Monastery (Nov 11-13, 2016, Pine Bush, NY)



#### 3A] Preclinical research experience

2022- Associate Director of Research

Present MPN Research Foundation

Managing the research funding programs

Developing a research impact tracking plan and assessing the impact the research funding had on the MPN research field

Scientific writing for marketing and communication to the MPN community including the patients, researchers/physicians, industry partners and others

2019-20 Research Assistant Professor,

Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY

Project: "Epigenetics of tumor microenvironment."

Responsibilities:

Writing research grants, designing scientific projects

Mentoring medical fellows, residents, graduate, undergraduate, and high school students.

Managing several collaborations and projects with multiple laboratories throughout the USA and abroad.

Working with several collaborator groups for coordinating sample exchange, project discussions, performing various assays and data exchange.

Also managing various aspects of laboratory functioning including reagent and sample purchasing.

2013- Research Associate

2019 Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY

#### 3B] Teaching experience: Medical school, Grad, Undergrad, High school

2011- Laboratory Instructor in Histology (For M.D. students)

2021 Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY

Facilitating the laboratory section of the 'Histology and Cell Structure' course offered to first-year medical students.

 Explaining the structure and function of healthy and pathological cell and tissue samples from different organ systems of human body.

Additional duties included evaluating the case studies and presentations of the students.

2018- Lecturer in Histology (for MD-Ph.D. students)

2019 Albert Einstein College of Medicine, Montefiore Medical Center, Bronx, NY

2005- Teaching assistant (Undergrad Seniors, Laboratory Molecular Biology course)

2006 Georgia State University, Atlanta, GA, USA

Conducting the course lectures of the laboratory section

Teaching molecular biology experiments

Evaluating the research papers, examinations and deciding, posting the final grade.

2004- Lecturer (Undergrad Sophomores, teaching biotechnology)

2005 V. G. Vaze College, University of Mumbai, India

Conducting the course lectures of the laboratory section

Teaching bioprocess engineering course

Conducted examinations

· Evaluating the research papers and examinations

1999- Biology teacher (High School students, taught biology)

Vaze Center for Talent Search, V. G. Vaze College, University of Mumbai, India

Taught biology to the high school students to prepare them for the competitive National Talent Search Examination, which was meant for earning scholarship for college.



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#### 3H] Laboratory Research Skills

- Over 20 years of experience in plant and animal cell culture techniques
- In vitro hematopoietic colony formation assays
- Cell proliferation assays and in vitro cell invasion assays
- Next Generation Sequencing based genome wide methylation assays
- DNA and RNA sequencing assays from limited amount of primary samples
- Mass array analysis and methylation specific PCR
- Ouantitative RT-PCR analysis and ELISA
- Immunohistochemical analysis and immunoblotting
- microRNA analysis and transfection techniques
- Served as laboratory manager and managed several collaborations and projects with multiple laboratories throughout the USA and abroad

#### 3I] Scientific Conference Presentations

- 2018 Keystone Symposia Conference: A7- DNA and RNA Methylation, Vancouver, BC CANADA 'Paracrine Lactate-mediated Epigenetic Reprogramming Regulates Formation of Cancer-Associated Fibroblasts.'
- AACR Annual Meeting 2017 in Washington, D.C. USA 'Notch pathway is overexpressed and is a therapeutic target in clear cell renal cancer.'
- 2014 56th ASH annual meeting and exposition, San Francisco, CA USA
  Recipient of the ASH abstract achievement award 2014
  Poster presentations:
  'Myelodysplastic syndrome marrow stroma shows widespread aberrant hypermethylation that is abrogated by
  - 'Myelodysplastic syndrome marrow stroma shows widespread aberrant hypermethylation that is abrogated by treatment with DNMT Inhibitors.
- AACR annual meeting, Washington DC, USA
  - Poster presentations:
  - "Myelodysplasia bone marrow stromal cells have widespread aberrant hypermethylation that is targeted by treatment with DNMT inhibitors."
  - 'Pancreatic cancer associated fibroblasts are characterized by widespread epigenetic reprogramming that leads to aberrant expression of druggable target CXCR4.'
- 53rd ASH annual meeting and exposition 201, San Diego, CA USA Poster presentation on 'Mir-21 mediates hematopoietic suppression in MDS by activating TGF-β signaling.'
- 50th ASH annual meeting and exposition, San Francisco, CA USA. Poster presentation on 'MDS marrow stroma is characterized by distinct epigenetic alterations.'

#### 3J] Skills and hobbies

Language skills: Proficient in English, Hindi and Marathi, amateur in Hebrew and German

Computer skills: MS word, excel, PowerPoint, prism, Ingenuity Pathway Analysis

**Hobbies**: Meditating, cooking, gardening, camping, hiking, Horseback riding, Kayaking, Broadway theater, Indian classical music-vocal.



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- Jasra S, Giricz O, Zeig-Owens R, Pradhan K, Goldfarb DG, Barreto-Galvez A, Silver AJ, Chen J, Sahu S, Gordon-Mitchell S, Choudhary GS, Aluri S, Bhagat TD, Shastri A, Bejan CA, Stockton SS, Spaulding TP, Thiruthuvanathan V, Goto H, Gerhardt J, Haider SH, Veerappan A, Bartenstein M, Nwankwo G, Landgren O, Weiden MD, Lekostaj J, Bender R, Fletcher F, Greenberger L, Ebert BL, Steidl U, Will B, Nolan A, Madireddy A, Savona MR, Prezant DJ, Verma A. "High burden of clonal hematopoiesis in first responders exposed to the World Trade Center disaster." Nat Med. 2022 Mar;28(3):468-471.
- Shapiro LC, Thakkar A, Campbell ST, Forest SK, Pradhan K, Gonzalez-Lugo JD, Quinn R, **Bhagat TD**, Choudhary GS, McCort M, Sica RA, Goldfinger M, Goel S, Anampa JD, Levitz D, Fromowitz A, Shah AP, Sklow C, Alfieri G, Racine A, Wolgast L, Greenberger L, Verma A, Halmos B. "Efficacy of booster doses in augmenting waning immune responses to COVID-19 vaccine in patients with cancer." Cancer Cell. 2022 Jan 10;40(1):3-5.
- 12 Cheng H, Zou Y, Shah CD, Fan N, **Bhagat TD**, Gucalp R, Kim M, Verma A, Piperdi B, Spivack SD, Halmos B, Perez-Soler R. "First-in-human study of inhaled Azacitidine in patients with advanced non-small cell lung cancer." Lung Cancer. 2021 Apr; 154:99-104
- Rahmani NE, Ramachandra N, Sahu S, Gitego N, Lopez A, Pradhan K, **Bhagat TD**, Gordon-Mitchell S, Pena BR, Kazemi M, Rao K, Giricz O, Maqbool SB, Olea R, Zhao Y, Zhang J, Dolatshad H, Tittrea V, Tatwavedi D, Singh S, Lee J, Sun T, Steidl U, Shastri A, Inoue D, Abdel-Wahab O, Pellagatti A, Gavathiotis E, Boultwood J, Verma A. "ASXL1 mutations are associated with distinct epigenomic alterations that lead to sensitivity to venetoclax and azacytidine. "Blood Cancer J. 2021 Sep 21;11(9):157.
- The thrombopoietin mimetic JNJ-26366821 increases megakaryopoiesis without affecting malignant myeloid proliferation.

  Adrianzen-Herrera D, Choudhary G, Gordon-Mitchell S, Ramachandra N, Bhagat T, Zhang H, Aluri S, Shastri A, Steidl U, Will B, Yang WL, Mahler M, Eichenbaum G, Guha C, Verma A.

  Leuk Lymphoma. 2020 Oct;61(10):2453-2465.
- Verma A, Suragani RN, Aluri S, Shah N, **Bhagat TD**, Alexander MJ, Komrokji R, Kumar R., "Biological basis for efficacy of activin receptor ligand traps in myelodysplastic syndromes." J Clin Invest. 2020 Feb 3;130(2):582-589
- Luchtel RA, **Bhagat** T, Pradhan K, Jacobs WR Jr, Levine M, Verma A, Shenoy N., "High-dose ascorbic acid synergizes with anti-PD1 in a lymphoma mouse model." Proc Natl Acad Sci U S A. 2020 Jan 21;117(3):1666-1677
- Sridharan A, Schinke CD, Georgiev G, Da Silva Ferreira M, Thiruthuvanathan V, MacArthur I, **Bhagat TD**, Choudhary GS, Aluri S, Chen J, Pradhan K, Xia Y, Panjikaran M, Sims G, Bhagat CK, Bender R, Keeler L, Graber A, Heuck C, Fletcher FA, Alapat D, Weinhold N, Johnson SK, Wickrema A, Barlogie B, Morgan GJ, Shastri A, Steidl U, Will B, Verma A. "Stem cell mutations can be detected in myeloma patients years before onset of secondary leukemias" Blood Adv. 2019 Dec 10;3(23):3962-3967
- Bowler TG, Pradhan K, Kong Y, Bartenstein M, Morrone KA, Sridharan A, Kessel RM, Shastri A, Giricz O1, **Bhagat TD**, Gordon-Mitchell S, Rohanizadegan M, Hooda L, Datt I, Przychodzen BP, Parmar S, Maqbool S, Maciejewski JP, Steidl U, Greally JM, Verma A. (2019) "Misidentification of MLL3 and other mutations in cancer due to highly homologous genomic regions." Leukemia Lymphoma. 2019 Jul 10:1-6. doi: 10.1080/10428194.2019.1630620. [Epub ahead of print]
- Smith MA, Choudhary GS, Pellagatti A, Choi K, Bolanos LC, **Bhagat TD**, Gordon-Mitchell S, Von Ahrens D, Pradhan K, Steeples V, Kim S, Steidl U, Walter M, Fraser IDC, Kulkarni A, Salomonis N, Komurov K, Boultwood J, Verma A, Starczynowski DT. (2019) "U2AF1 mutations induce oncogenic IRAK4 isoforms and activate innate immune pathways in myeloid malignancies." Nat Cell Biol. 21(5):640-650.
- Sundaravel S, Kuo W-L, Jeong J, Choudhary G, Gordon-Mitchell S, Liu H, **Bhagat T**, McGraw K, Gurbuxani S, List A, Verma A, Wickrema A. (2019) "Loss of function of DOCK4 in myelodysplastic syndromes stem cells are restored by inhibitors of DOCK4 signaling networks." Clinical Cancer Research. (Accepted Jun 2019)
- Jeong JJ, Gu X, Nie J, Sundaravel S, Liu H, Kuo WL, Bhagat TD, Pradhan K, Cao J, Nischal S, McGraw KL, Bhattacharyya S, Bishop MR, Artz A, Thirman MJ, Moliterno A, Ji P, Levine RL, Godley LA, Steidl U, Bieker J, List AF, Sauntharajah Y, He C, Verma A, Wickrema A. (2019) "Cytokine regulated phosphorylation and activation of TET2 by JAK2 in hematopoiesis." Cancer Discov. pii: CD-18-1138.
- Shenoy N, **Bhagat TD**, Cheville J, Lohse C, Bhattacharyya S, Tischer A, Machha V, Gordon-Mitchell S, Choudhary G, Wong LF, Gross L, Ressigue E, Leibovich B, Boorjian SA, Steidl U, Wu X, Pradhan K, Gartrell B, Agarwal B, Pagliaro L, Suzuki M, Greally JM, Rakheja D, Thompson RH, Susztak K, Witzig T, Zou Y, Verma A. (2019) "Ascorbic acid-induced TET activation mitigates adverse hydroxymethylcytosine loss in renal cell carcinoma." J Clin Invest. 130:1612-1625.
- Shastri A, Choudhary G, Teixeira M, Gordon-Mitchell S, Ramachandra N, Bernard L, Bhattacharyya S, Lopez R, Pradhan K, Giricz O, Ravipati G, Wong LF, Cole S, **Bhagat TD**, Feld J, Dhar Y, Bartenstein M, Thiruthuvanathan VJ, Wickrema A, Ye BH, Frank DA, Pellagatti A, Boultwood J, Zhou T, Kim Y, MacLeod AR, Epling-Burnette PK, Ye M, McCoon P, Woessner R, Steidl U, Will B, Verma A. (2018) "Antisense STAT3 inhibitor decreases viability of myelodysplastic and leukemic stem cells." J Clin Invest. 128(12):5479-5488.
- Von Ahrens D, **Bhagat TD**, Nagrath D, Maitra A, Verma A. (2017) "The role of stromal cancer-associated fibroblasts in pancreatic cancer." J Hematol Oncol. 10(1):76
  - Giricz O, Mo Y, Dahlman KB, Cotto-Rios XM, Vardabasso C, Nguyen H, Matusow B, Bartenstein M, Polishchuk V, Johnson DB, **Bhagat TD**, Shellooe R, Burton E, Tsai J, Zhang C, Habets G, Greally JM, Yu Y, Kenny PA, Fields GB, Pradhan K, Stanley ER, Bernstein E, Bollag G, Gavathiotis E, West BL, Sosman JA, Verma AK. (2018) "The RUNX1/IL-34/CSF-1R axis is an autocrinally regulated modulator of resistance to BRAF-V600E inhibition in melanoma." JCI Insight. 3(14): e120422



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- Yu Y, Mo Y, Ebenezer D, Bhattacharyya S, Liu H, Sundaravel S, Giricz O, Wontakal S, Cartier J, Caces B, Artz A, Nischal S, Bhagat T, Bathon K, Maqbool S, Gligich O, Suzuki M, Steidl U, Godley L, Skoultchi A, Greally J, Wickrema A, Verma A. (2013) "High resolution methylome analysis reveals widespread functional hypomethylation during adult human erythropoiesis." J Biol. Chem. 288(13):8805-14
- 44 Khan H, Vale C, Bhagat T, Verma A. (2013) "Role of DNA methylation in the pathogenesis and treatment of myelodysplastic syndromes." Semin. Hematol. 50(1):16-37
- Will B, Zhou L, Vogler TO, Ben-Neriah S, Schinke C, Tamari R, Yu Y, **Bhagat TD**, Bhattacharyya S, Barreyro L, Heuck C, Mo Y, Parekh S, McMahon C, Pellagatti A, Boultwood J, Montagna C, Silverman L, Maciejewski J, Greally JM, Ye BH, List AF, Steidl C, Steidl U, Verma A. (2012) "Stem and progenitor cells in myelodysplastic syndromes show aberrant stage-specific expansion and harbor genetic and epigenetic alterations." Blood. 120(10):2076-86.
- Barta SK, Zou Y, Schindler J, Shenoy N, **Bhagat TD**, Steidl U, Verma A. (2012) "Synergy of sequential administration of a deglycosylated ricin A chain-containing combined anti-CD19 and anti-CD22 immunotoxin (Combotox) and cytarabine in a murine model of advanced acute lymphoblastic leukemia." Leuk Lymphoma. 53(10): 1999-2003.
- Agarwal A, Polineni R, Hussein Z, Vigoda I, **Bhagat TD**, Bhattacharyya S, Maitra A, Verma A. (2012) "Role of epigenetic alterations in the pathogenesis of Barrett's esophagus and esophageal adenocarcinoma." Int J Clin Exp Pathol. 5(5): 382-96.
- Shenoy N, Kessel R, **Bhagat TD**, Bhattacharyya S, Yu Y, McMahon C, Verma A. (2012) "Alterations in the ribosomal machinery in cancer and hematologic disorders." J Hematol Oncol. Jun 18;5:32.
- Alvarez H, Opalinska J, Zhou L, Sohal D, Fazzari MJ, Yu Y, Montagna C, Montgomery EA, Canto M, Dunbar KB, Wang J, Roa JC, Mo Y, **Bhagat T**, Ramesh KH, Cannizzaro L, Mollenhauer J, Thompson RF, Suzuki M, Meltzer SJ, Melnick A, Greally JM, Maitra A, Verma A. (2011). "Widespread hypomethylation occurs early and synergizes with gene amplification during esophageal carcinogenesis." PLoS Genet 7(3): e1001356
- Zhou L, Opalinska J, Sohal D, Yu Y, Mo Y, **Bhagat** T, Abdel-Wahab O, Fazzari M, Figueroa M, Alencar C, Zhang J, Kambhampati S, Parmar S, Nischal S, Hueck C, Suzuki M, Freidman E, Pellagatti A, Boultwood J, Steidl U, Sauthararajah Y, Yajnik V, McMahon C, Gore SD, Platanias LC, Levine R, Melnick A, Wickrema A, Greally JM, Verma A. (2011). "Aberrant epigenetic and genetic marks are seen in myelodysplastic leukocytes and reveal Dock4 as a candidate pathogenic gene on chromosome 7q." J Biol Chem 286(28): 25211-25223.
- Zhou L, McMahon C, **Bhagat** T, Alencar C, Yu Y, Fazzari M, Sohal D, Heuck C, Gundabolu K, Ng C, Mo Y, Shen W, Wickrema A, Kong G, Friedman E, Sokol L, Mantzaris I, Pellagatti A, Boultwood J, Platanias LC, Steidl U, Yan L, Yingling JM, Lahn MM, List A, Bitzer M, Verma A. (2011). "Reduced SMAD7 leads to overactivation of TGF- β signaling in MDS that can be reversed by a specific inhibitor of TGF- β receptor I kinase." Cancer Res 71(3): 955-963.
- 52 Schinke C, Goel S, **Bhagat TD**, Zhou L, Mo Y, Gallagher R, Kabalka GW, Platanias LC, Verma A, Das B. (2010). "Design and synthesis of novel derivatives of all-trans retinoic acid demonstrate the combined importance of acid moiety and conjugated double bonds in its binding to PML-RAR-alpha oncogene in acute promyelocytic leukemia." Leuk Lymphoma 51(6): 1108-1114.
- Einstein F, Thompson RF, **Bhagat TD**, Fazzari MJ, Verma A, Barzilai N, Greally JM. (2010). "Cytosine methylation dysregulation in neonates following intrauterine growth restriction." PLoS ONE 5(1): e8887.
- Zhou L, Nguyen AN, Sohal D, Ying Ma J, Pahanish P, Gundabolu K, Hayman J, Chubak A, Mo Y, **Bhagat TD**, Das B, Kapoun AM, Navas TA, Parmar S, Kambhampati S, Pellagatti A, Braunchweig I, Zhang Y, Wickrema A, Medicherla S, Boultwood J, Platanias LC, Higgins LS, List AF, Bitzer M, Verma A (2008). "Inhibition of the TGF- β receptor I kinase promotes hematopoiesis in MDS." Blood 112(8): 3434-3443.
- Sohal D, Yeatts A, Ye K, Pellagatti A, Zhou L, Pahanish P, Mo Y, **Bhagat T**, Mariadason J, Boultwood J, Melnick A, Greally J, Verma A. (2008). "Meta-analysis of microarray studies reveals a novel hematopoietic progenitor cell signature and demonstrates feasibility of inter-platform data integration." PLoS ONE 3(8): e2965.
- Navas T, Zhou L, Estes M, Haghnazari E, Nguyen AN, Mo Y, Pahanish P, Mohindru M, Cao T, Higgins LS, Platanias LC, List A, Verma A, **Bhagat** T, Gajavelli S, Kambhampati S. (2008). "Inhibition of p38alpha MAPK disrupts the pathological loop of proinflammatory factor production in the myelodysplastic syndrome bone marrow microenvironment." Leuk Lymphoma 49(10): 1963-1975.

AUTONOMOUS Re-accredited A Grade

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#### REPORT

Dr. Usha Mukundan welcomed the students and shared her memories of how Dr. Tushar was as a student and some of his traits like organizational skills, curiosity, patience and perseverance are worth mentioning. Dr. Tushar started the session by asking students as to why they have chosen Botany as their subject of choice, what they would like to do after graduation and after Post graduation. He explained the students as to how to identify themselves first and then choose their career as per your choice. He said besides postgraduate, undergraduate and doctoral program one can prepare for competitive exams and look for opportunities in state and central government services. One could think of management studies in agriculture and also learn new tools like Artificial Intelligence, Machine learning etc. Students also should be lifelong learners and equip themselves with emerging areas. The session was very interesting 97 students attended the session.



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#### PHOTOGRAPHS OF THE TALK ON CAREERS IN BOTANY BY DR. TUSHAR D BHAGAT HELD ON 4TH JANUARY 2024



Dr. Tushar D Bhagat interacting with students of TYBSc Botany



Students of TYBSc Botany engrossed during the session



(Left to Right) Dr. Usha Mukundan, Director, HVPS, Dr. Tushar D Bhagat and Dr. Himanshu Dawda, Principal, RJC.



Student participants during the talk on careers in Botany

RAMNIRANJAN JAU HUNWALA COLLEGE OF ARTS, SCIENCE'S CL. MERCE (AUTONOMOUS) Ghatkopar (W), Mumbai-400 086, Maharashtra, INDIA

2019: Star College Status by DBT

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#### Department of Botany under COCO - "Career Options and Career Opportunities" organized Talk on Careers in Botany by Dr. Tushar D Bhagat

Thursday

4th January 2024

10 am onwards

MPSS Hall

#### Attendance

Sr. No	Name	Class	Roll No	Signature
1.	Shraddha Caikwad	FYBSC	708	Colinary.
2	Amkita Gubta	FYBBC	710	Ankites
3.	Anjali C Hotkas	FYBSC	713	Priali
4.	Manashsee Godambe	FYBSC	709	Phenshoee
5.	Spela Maudya	FYBSC	613	Snehal-
6.	Anchal Chauseas, Vig	TYBSC	532	Sheley.
7.	Nena. B. Gabhall	FYBSC	605	Chacha.
8.	Archana . S. potras	FYBSC-B	731	p. auche
9.	Palak Grupta	FYBSC-(B)	712	Jalate.
10.	Riva G. Pal	FYB5C/B		Fey a
- 11	Prachi Junary	FYBSC/B	742	Brachi Juroy
12	Meha Patil	FYBSC/B	730	Matil
13.	Shoouna Ayushi Schyapradad	FYBSC/B	739	Regular.
14.	Bringh Kalshish	FYBSCIC	1117	Moshish
15.	Ansari Gulashan	FYBSc/B	703	Spalasslec
16.	Brovina Jaiswal	FYBSC/C	913	*Stovica
17	Aditya C. Saleker	TYBSeC	526	Saleler
18.	Saniya Sawant	TYBSCIC	535	March
19.	Monal Icrakur	TYBSULL	540	mond
20	manjo yadar	FTB5C	939	Marjo.
21	Palak Pubey	FYBSC	908	Palso.
22	Shlok Bhomal	FYBSC	706	Shomas
23	vday chowan	FYBSC	604	Uday
24	Anjum Khan	FYBSC	718	9
25	Khan Sariba Nagz	FYBSC	729	Surs
26	Tushar	FYBSC	726	Tuest
27	Chandani yadar	FYBSC	627	chand on;
28	Leena J. Maye Kar.	TYBSC	544	Leens
29.	GUPTA JYOTI BASANTLAL	TYBSC	529	= Tyoti

RAMNIRANJAN JHUNJHUNWALA COLLEGE

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2011: 'Best Teacher Award' by Government of Maharachtra, 2012: DET FIRST. 2011: 'Best Teacher Award' by Government of Maharashtra 2013: DST-FIST 2014: DBT STAR College 2013 & 2014: 'Jagar Jaanivancha Award' by Govt, of Maharashtra 2016: ISO 14001:2015 2016: ISO 9001:2015 2017: ISO 27001:2013

2018: Autonomous Status by University Grants Commission (No. F. 22-1/2018(AC) - 28.05.2018) & by University of Mumbai (No.Aff./ICD/18-19/440 - 08.06.2018)



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Sr. No	Name	Class	Roll No	Signature
30	JAY-PRAKASH-YADAV	T-7Bse	504	of Product
31	KARIISHMA VINOD SAROT	TYIZSC	537	Ksarof
32	Aman Ramesh Ral	TYBSC	503	Mars
33	Khan Aasma Mohammad Islam	TYBSC	505	Asma
	Should Nosibun Nosix	TYBSC	515	Desiber
34	Qwieshi KamagahemBaro	T. Y.B.SC	508	Kampahen -
36.	Them Ikral	T.Y.B.SC	539	Lera
37	KAJAL PRAJAPATI	FYBSC	924	Thou cal
38	ANSARI KHADIJA	FY. BSC	944	Theidifal.
39	SHAIKH FATIMA	F7. BSC	942	Laturo!
40	Harshali Yejare	FY. BSC	843	HAI
41	Sanka Shelar	FYBSC	931	Sanika
42	Purachi Anil Pandey	FYBSC	817	Prochi
43	ANSARI NAGIMA	FYBSC	844	Nagrvoo
44	Munazzah Khan.	FYBSC	917	Muhazzah
45	Umam Qazi	FXBSC	845	Umerta -
46	Luchil Yadan	PUBSC.	842	Suylar
the Contract of the Contract o	Shaikh Nausheen	FYBSC	928	Davisto
47	Shuma Irway	FY BSC(B)	632	Trwari
49	Fahad Khan	FYBSC(B)	75	Lahard
50	Ashar Khein	FYBSC (B)	721	Ashar.
51	Arshiya Khan	FYBSc(B)	720	Akhan
525	Arshi Khem	FYBSC(B)	719 -	Irshi
53)	Af Shew them.	FYBSCOB)	717	ARShew.
54)	Agisha Salman Ahmed Khan.	FYBSc(B)	716	voista
[23	Dureshi Habiba	FYBSC(B)	734	Intitt
56	Madhushree Kusekar	FYBSC (B)	612	Planter
57	Fiza Patel	FYBSC(B)	617	913a.
58	Fatima shaikh	(-YBSC(B)	620	Tatino.
59	Solia Kadri	FYBSC(B)	607	Dolia.K
60	Ashish Kumas Ayst Kumar BHA		135	Achill
61	Nilesh SanuaJeet Koon	FYRALA	129	Nilesh
62	Ashutosh Pandey	FYBA	126	RY
63	Khan Mariyam	FYBSC	916	Mariyaro.
of Arts, S	T.			- /

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Sr. No	Name	Class	Roll No	Signature
64	Widdigui Iram.	FYBSC	830	soid 1
65	Adnohu Pal	EYB.SC	921	andu
66	Khan Saima Matin	FYBSC	812	Spine.
67	Husna Manihar	FYBSC	727	funt.
68	Umme Salma	FYBSC	602	falme
69	Rehmani Nasima	FYBSC	925	Den Hasma
70	Muskan	FYBSC	601	Muskor
71	than tehtasha Riyaz Ahmed	F485C	608	Harrish
72.	Neha Mauriya. Zaya Waguali	FYBSC	615	Wha M
73.	Zaya Waquali	FYBSC	747	Loyaf.
74.	Ralgini yadav	FYBSC	748	Rogina
75.	Ragini yadar Sefal Umashankan	FYBSC	749	Sejab.
76	Samiya Siddiqui	FYBSC	625	And .
77	Choudhauy Simpal	FYBSC	707	Dimpal
18	Singh Sakshi	TYBSC	519	Singe
79	Singh Reetika	TYBSC	100	Mostilea
80	Jaskeen. Khan.	TYBSC	506	Jarrel .
81		TYBSC	509	Ajairajpuri
82	Agsa Jaizan Tairajpuni Afrin Shaikh	FYBSC (B)	621	Africa
83	Astra Prajapati	FYBSC/B	618	DETTO
84	Vijayshxee Mishxa	FYBS C/B	614	Mishaa
85	Zainab Rizwan	TYBSC	511	Zainal
86	Guinoz Show	TYBSC	530	Gulng
87	Bratik Seroh	74 B&CO	1833	Bratik Sind
88	Suray yadas	EVBSC(C)	941	Just 0
89	Lasing Samued	TYBSC	516	munim
90	Jasiya Scuyed Gausiya Shaileh	TY13SC	536	Gausi 22
91	Shaikh Zeenat Barro	T.Y.BSC	522	Lucion
92	Swah R- Shulda	TYBSC.	524	Airebi
93	On Yadau	MSc I	122	Ornyada
94	Daniel Anil Osa	MSCI	101	Danielanildia
95	Reethik Pal	MSCI	121	Keeppalm
96	TARAM KUSUNDAL	MSC IBot.	102	Eusundal
97	Khan Alsaba	MSC-I BOL	123	DAY.
School				

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#### CERTIFICATE



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#### CERTIFICATE

This is to certify that

#### DHANASHREE GODAMBE

Of FYBSc Roll No: 709 participated in the session on 'Careers in Botany' organized by Department of Botany on 04/05/2024.

Principal Dr. Himanshu Dawda HoD Botany



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