

CURRICULUM VITAE

Dr. Rehana Anjum A. Shah

601, C5, Lok Surabhi CHS Ltd,
Lok Surabhi Complex,
Near Patri Pool,
Kalyan (West)
Kalyan – 421301.

Contact No.: +91 989 260 7825

Email: anjumoinvakil@gmail.com
shahrehanaa@yahoo.com



Educational Qualification:

Ph.D. in Botany	2016
Title: 'Studies on phytochemical profile of <i>Withania somnifera</i> (L.) Dunal from various regions with respect to its antidiabetic and anticancerous properties.'	
The Institute of Science, Mumbai University of Mumbai	
B.Ed. (Science and Maths)	2015
All India Khilafat Committee College of Education University of Mumbai	
M.Sc. in Botany (Plant Physiology & Biochemistry)	2007
The Institute of Science, Mumbai University of Mumbai	
B.Sc. in Botany (Horticulture & Gardening)	2005
Kirti M. Doongursee College, Dadar University of Mumbai	
Certificate in Computer Operations	2002
Yashwant Rao Chavan Maharashtra Open University	
H.S.C.	2002
Lokmanya Vidya Mandir Junior College of Arts, Science & Commerce, Mumbai.	
S.S.C.	1998
K.J. Khilnani High School, Mahim.	

Computer Skill:

- ✓ Computer education, MS-Office (Advanced)

Teaching Experience: 6 years

- Assistant Professor
DSPM's KVP Pendharkar College of Arts, Science and Commerce, (Autonomous) Dombivli (E)
June 2021 to date
- Assistant Professor
Bhavan's Hazarimal Somani College of Arts & Science August 2018 to April 2020
- Assistant Professor June 2017 to April 2018
Ismail Yusuf College of Arts, Science & Commerce, Jogeshwari
- Shikshan Sevak July 2016 to April 2017
Anjuman Islam Saif Tayyabji College of Arts & Science, Mumbai.
- Visiting faculty Aug 2015 to April 2016
Siddharth College, Mumbai.
- Completed teaching internship in Saifi High School for 6 days and took lesson plan in Anjuman-I-Islam's Saif Tyabji Girls' High School, Rehmatbai Habib High School, Saifi High School and Tayyabya Girls' High School.

Extra Curriculum Activities:

- Convenor, Incubation & Start up Cell.
- Participated in Annual Extension Activities related to Women Empowerment in the Academic year 2014-2015.

Achievements:

1. Honored with the judge for **Dr. Homi Bhabha Bal Vaidnyanik Competition** organized by The Greater Bombay Science Teachers Association on Sunday 17th February 2019 held at D.S. High School Near Guru Krupa Hotel, Sion (West), Mumbai- 4000 22.
2. Honored with The judge for judgment at district level , **Inspire awards Exhibition – 2018**
Conducted by Education Inspector (North zone), Maharashtra Science Institute Ravi Nagar Nagpur, Science & Technology Department (Central Government) on 15 February 2018.
3. Honored with The Indira Gandhi Award for School Leadership by All India Khilafat Committee College of Education on 15th April 2015.
4. Rewarded **1st prize** for poster presentation in '**RESEARCH SCHOLARS' MEET-2012.**

Sophisticated Instruments handled:

- ✓ HPLC (High performance Liquid Chromatography)
- ✓ HPTLC (High Performance Thin Layer Chromatography)

- ✓ UV-Vis spectrophotometer
- ✓ PCR

Key Skills:

- ✓ Extraction of phytochemicals from medicinal plants.
- ✓ HPTLC, HPLC and UV-Vis spectro. Analysis.
- ✓ Drug Development Process.
- ✓ Aseptic techniques of Plant cell, tissue and organ culture

Training/ Workshops:

- ❖ Participated in the Three day Online guest lecture series on “**Advances in plant Science**” Organized Under **DBT Star College Scheme** and Modern Eco-club 1 to 3 September 2021.
- ❖ Participated in the seven day E-Workshop on “**Entrepreneurial Skill Development and Career Opportunities in Biological Sciences**” Organized by Zoology and Biotechnology Department Under MPHEQIP World Bank Scheme 24th June-30th 2021.
- ❖ Completed Two weeks Faculty Development Programme on Teaching learning Centre Ramanujan College University of Delhi, “ADVANCED CONCEPTS FOR DEVELOPING MOOCS from 02-JULY 17,2020. Sponsored by Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on TEACHERS AND TEACHING.
- ❖ Completed training course on Five Day FDP on Innovative Teaching Learning Methodologies conducted by CIT – TLC from 06 to 10 July 2020, through online mode.
- ❖ Participated in two days webinar on “ Transformations of learning and assessment in Covid-19 Era” Organized by ALL India Khilafat Committee college of Education on 22nd and 23rd June,2020.
- ❖ Participated in two days workshop on Research Methodology and Research Data Analysis held on 25th and 26th February 2019 organized by Department of Biotechnology , University of Mumbai in association with Recycle Foundation
- ❖ Completed training course on ‘Plant tissue culture’ conducted on 18th to 27th Jan 2004 held at Department of Botany, **Kirti M. Doongursee College**, Mumbai.
- ❖ Completed training course on ‘**High Performance Thin Layer Chromatography (HPTLC)**’ from November 2010 to February 2011 at **Anchrom Analytical Pvt. Lab. Mumbai, India.**
- ❖ Participated in the workshop on ‘**Interpretation of GC-MS Spectra**’ ‘conducted by Dr.P.S.Ramanathan Advance Instrumentation Centre on 1st September 2012 held at Chemistry Department, **Ramnarain Ruia College**, Mumbai.
- ❖ Completed Hands on Training in ‘**Techniques in Virology and Immunology**’ conducted on 30th June 2014 to 5th July 2014 held at **Haffkine Institute for Training, Research and Testing.**

Publications-14:

1. Moinuddin M. Ali Vakil and **Dr. Rehana Anjum A. Shah (2021)**. The book chapter titled “Callus Culture, Cell Suspension Culture “Accepted for publication in edited book titled “In Vitro Cultivation of Plant Cell (Volume -1)”. AkiNik Publications New Delhi, 37-51.
2. V.D. Mendhulkar and **R.A. Shah**. (2019) ‘Alanine and Alliin content in two varieties of Garlic (*Allium sativum* Linn.)’ Int. J of Adv. & Innovative Research. 6: 2(III), 191-195.
3. **R.A. Shah**, S. Khan and R. Shaikh. (2017) ‘Biodegradation of Keratogenous wastes by dermatophytic fungi with reference to *Tricophyton rubrum*’ Indian Journal of Plant Sciences, 6 (3), 26-30.
4. **RA Shah**, S Khan, R Ansari and W Rehman (2017). Myco decolourization of waste water with reference to Azo dye, Methylene blue using *Phanerochaete chrysosporium*. *IJGHC*, A; 6(3): 104-116.
5. **R.A. Shah**, S. Khan, M. Vakil and S.L. NiKam. (2016) ‘Isolation of Withanferin-A from *Withania somnifera* for anticancer activity against MCF-7, U373-MG and OVKAR-3 Cell Lines. *Int. J Pharm Biol Sci*. 6(4): 1-8.
6. **R. A. Shah**, S. Khan and M. Vakil (2016). ‘Antiproliferative Activity of Methanolic Root Extract of *Withania somnifera* against MCF-7, HCT-15, U373-MG and OVKAR-3 Cell Lines.’ *Int J Green & Herbal Chem*, Sec. B; 5(3), 206-214.
7. **R.A. Shah**, S. Khan, W. Rehman, M. Vakil (2016). ‘Phytochemical Evaluation of Withanolide-A in Ashwagandha Roots from Different Climatic Regions of India.’ *Int. J. Curr. Res. Biosci. Plant Biol* 3 (2), 114-120.
8. Shahana Khan and **Rehana Anjum Shah** (2016). Assessment of genetic diversity among India Ginseng, *Withania somnifera* (L) Dunal using RAPD and ISSR markers. *Research in Biotechnology*, 7: 01-10.
9. Mohammed Tohaa Qureshi, **Shah Rehana Anjum** and Shahana Khan* Studies on Production and Characterization of Biopolymers Produced by Azotobacter sps. ISSN: 2320 – 7051 *Int. J. Pure App. Biosci.* 2 (2): 299-306 (2014). Research Article.
10. **Rehana Anjum Shah** and Shahana Khan (2013). *In Vitro* Anticancer Activity of *Withania somnifera* (L.) Dunal, Leaves from Different Climatic Regions of India. *Ad Plant Sci.* 26(II): 301-304.
11. **Rehana Anjum Shah** and Shahana Khan (2012). Evaluation of Withaferin-A in Ashwagandha’s Leaves from Different Climatic Regions of India. *Ad Plant Sci.* 25(II): 709-711.
12. **R.A. Shah**, S. Khan, M. Vakil and M.T. Qureshi. (2017) ‘Evaluation of antidiabetic potential of *Withania somnifera* by glucose uptake assay on 3T3 F442A fibroblast (adipocyte) cells.’ *Int J Pharm Sci Res.* 8(1): 120-25.
13. **Rehana Anjum Shah**, Shahana Khan, Anuradharani Saw and Wahida Rehman (2016). Ant proliferative potential and antioxidant activity of *Trigonella foenum- graecum* L. with reference to diosgenin. *World J of Pharm and Pharmaceutical Sc.* 5 (12): 964-973.
14. **Rehana Anjum Shah**, Shahana Khan, Pooja Sonawne and Wahida Rehman (2017). Phytochemical finger printing and antimicrobial activity of *Phyllanthus niruri*. *Int. J. Pharm. Sci. Rev. Res.* 44(2): 7-11.

Life Membership:

- Academy of Plant Sciences India. (Membership no. 4738).

Conferences/ Seminar/symposium:

- ❖ Presented paper in oral session entitle '**STUDY OF PHYTOCONSTITUENTS AND NUTRITIONAL VALUE OF WILD TUBER *Vigna vexillata* (L.)'A.** at International conference on 'Natural Products – Quality, Safety and Efficacy held on 6th and 7th March 2020 organized by Faculty of Science SIES College of Arts, Science and Commerce (Autonomous), Sion (West) Mumbai- 4000 22.
- ❖ Presented paper in oral session entitle '**Alanine and Alliin content in two varieties of Garlic**' at National Congress on Innovative Trends in Commerce, Humanities & Science (ITCHS-2019) held on 20th February 2019 organized by Bhartiya Vidya Bhavan's Hazarimal Somai College of Arts & Science and Jayaramdas College of Commerce and Management Studies, Chowpatty, Mumbai- 4000 07.
- ❖ Presented paper in poster session entitled '**Evaluation of withaferin-A IN Ashwagandha's leaves from different climatic regions of India.**' at 21st APSI Scientist MEET 2012 and National Conference on 'Recent Trends in Plant Science held at Department of Botany, Tuljaram Chaturchand College, Baramati, Pune during 3rd to 5th February, 2012.
- ❖ Presented paper in oral session entitle '**Phytochemical Evaluation of Withanolide-A in Ashwagandha's roots from different climatic regions of India**' at 11nd World Congress for Man and Nature -2012 on "Global change: Impact on Biodiversity, Culture and Technology" Organized by Sevadal Mahila Mahavidyalaya, Nagpur during 3rd to 5th November 2012.
- ❖ Presented paper in oral session entitled '**In vitro antiproliferative activity of *Withania somnifera* (L.) Dunal Leaves and roots from different climatic regions of India.** at International conference on 'Phytochemicals in Health and Diseases: Challenges and Future opportunities (ICPHD-2013)' held at Department of Biochemistry and Biotechnology, Annamalai University, Annamalainagar -608002, Tamil Nadu, India during 23rd to 25th January, 2013.
- ❖ Presented paper in oral session entitled '**In vitro anticancer activity of *Withania somnifera* (L.) Dunal leaves from different climatic regions of India.**' at 22nd APSI Scientist MEET 2013 and National Conference on 'Sustainable Utilization of Plants for Millennium Development' jointly organized by Modi Institute of Management and Technology, Kota, Rajasthan and University of Kota, Kota, Rajasthan, In collaboration with Academy of Plant Science, India, Muzaffarnagar (U.P) during 2nd to 4th January 2013.
- ❖ Presented paper in poster session entitled '**In vitro anticancer activity of *Withania somnifera* (L.) Dunal roots from different climatic regions of India.**' At National Conference on 'Role of Biotechnology in Conservation and Sustainable Use of Medicinal Plants' The Institute of Science, Mumbai Department of Botany and Biotechnology held on 14th & 15th December, 2012.
- ❖ Presented paper in poster session entitled '**Evaluation of withaferin-A in Ashwagandha's leaves from different climatic regions of India.**' in Research Scholars' Meet held at Department of Botany, The Institute of Science, Mumbai held on 28th February 2012.
- ❖ Presented paper in poster session entitled '**Phytochemical Evaluation of Withanolide –A in**

Ashwagandha's roots from different climatic regions of India.' in Research Scholars' Meet held at Department of Botany, The Institute of Science, Mumbai held on 28th February 2013.

- ❖ Presented paper in poster session entitled '***In vitro* anticancer activity of *Withania somnifera*(L.) Dunal roots from different climatic regions of India.'** in Research Scholars' Meet held at Department of Botany, The Institute of Science, Mumbai held on 15th March 2013.

References:

1. Dr. (Mrs.) Shahana J. Khan

Associate Professor,
Department of Botany,
The Institute of Science,
Mumbai- 4000 32.
Contact no.: +91 9821008774
Email: greatzaf@yahoo.co.in

2. Prof. (Dr.) Vijay D. Mendhulkar

Head,
Department of Botany,
The Institute of Science,
15, Madam Cama Road,
Mumbai- 4000 32.
Contact no.: +91 9869187962
Email: drmendhulkar@gmail.com

Personal Details:

Date of Birth	:	12 th Feb 1980
Sex	:	Female
Marital Status	:	Married
Language Known	:	English, Marathi, Hindi and Urdu
Nationality	:	Indian
Hobbies	:	Reading, Teaching, Computer, Cooking

I herewith confirm that the aforesaid information provided are genuine to the best of my knowledge and available facts which shall be provided upon request.

Place: Kalyan

(Dr. Rehana Anjum A. Shah)