**CURRICULUM VITAE**

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| **Dr. Ruchi Kurapa Shroti**  W/o Dr.Abhishek Shroti  E-403, Elite anmol, near adarsh shishu vihar School, Bicholi Road Bengali Square, Indore (M.P) Pincode- India |
| E-mail id-ruchi2011shroti@gmail.com  Mobile no.8962570861 |

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| **Career Objective** | To utilize my skills in an environment that offers opportunity to learn and grow with and within the organization. |
| **PhD Details**  **M. Phil details** | **Topic** –“Biological studies, phytochemical studies and micropropagation of an endangered terrestrial orchid.” This is used to treat cancer, tumors, scrofulus infection of the glands and neck and in disease of the blood.  **Supervisor**- Dr. Ravi Upadhyay  **Date of award**-  **University**- Barkatullah University, Bhopal  **Research institute-**  **Phd Course work detail**- With 68% in course work exam  **Topic-** Micropropogation of Bacopamonneri-L and centela asiatica  **Institute-** Vinayaka mission university  **University-** Salem, Tamilnadu  **Year:** 2009 |
| **Educational Qualification** | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Class** | **Name of institute** | **Name of board/university** | **Subject** | **Year of passing** | | **Ph. D** | Govt. narmada PG. College, Hoshangabad | Barkatullah university Bhopal | Botany | Completed-2015-16  With 68% in course work exam | | **M. Phil biotech.** | Vinayaka mission university, | Salem, Tamilnadu | Subject | 2009  With-59% | | **M.Sc. (final)** | S.V. PG College Bhopal | Barkatullah university Bhopal | BioTechnology | 2008  Aggregate-65% | | **B.Sc.(final)** | Govt.HomeScience P.G.College | Barkatullah university Bhopal | Bio Technology | 2006  Aggregate-65% | | **12th** | St. Pauls Higher Secondary School | M.P. Board | Physics Chemistry Biology (PCB) | 2003  Aggregate-68% | | **10th** | ? | ? | All | 2001 | |
| **Projects, Trainings and Workshops**  **Specialization**  **And Strength**  **Abstract selected in National and International conference.** | **Project**   * Completed the project on ‘Floristic biodiversity of Narmada Herbal Park and adjoining area (Biodiversity Board). * Worked as Assistant professor at P.M.B Gujrati science college Indore (Duration 5 Months). * Working as a multimedia editor at Times of biodiversity magazine.   **Six Month Master’s thesis dissertation From M.P. Govt. Biofertilizers plant Bhopal**   * Dissertation Topic: “An attempt to study the technique involved in the production & Quality control of Biofertilizer (Rhizobium, P.S.B., Azotobacter, Trichoderma) & its Synergistic efficiency in germination of gram & wheat seed through Pot trail methods” * From: BIO-Fertilizer Plant the Madhya Pradesh state AGRO Industries Dev. Corp. Ltd. Indrapuri Bhopal, Duration: 6 months.   **Tranings**:   * Training in Advanced Instrumentation- HPLC, GC, AAS, UV-VS SPECTROSCOPY, FTIR (From - M. P C.S. T. BHOPAL). * Training in DNA Finger Printing, Forensic science, & Bioinformatics.   (From PIBMS, & IIB NOIDA).   * Training on Plant tissue culture techniques and Production of Banana through Tissue culture (From-Dev Leela Biotech NCS-TSP-Raipur (C.G.)-Duration -1 month) * Training on Molecular Biotechnology- DNA markers, (RAPD, & Plant virus diagnosis through PCR &ELISA Techniques (From-Dev Leela Biotech NCS—TSP-Raipur (C.G). Duration -1 month). * Training in Advance molecular biology techniques (From Govt. Home Science College, Hoshangabad-7 days).   **Work shop attended** :  1. Bioinformatics workshops on “commercial aspects of bioinformatics DNA finger printing, forensic science from May 2009 at Indore, organized by PIBMS Indore.  2. Workshop on biodiversity awareness programme and peoples biodiversity register,  Sponsored by M.P biodiversity board Bhopal held on September 2010.  3. Workshop cum awareness programme on growing, processing ,research and value Addition of medicinal and aromatic plants held in march 2009, sponsored by M.P council of science and technology Bhopal  4. Working as a Resource person in Workshop on microbial techniques instrumentation and biofertilizers, held in November 2009 at NMVPG college Hoshangabad.  5. Workshop at international river festival held in March 2010, Bandrabhan, India   1. Commercial production & Quality control of biofertilizers like-Rhizobium, P.S.B, Azatobacter, Tricoderma etc. 2. Phytochemical analysis of medicinal plants including extraction, active ingredient recovery through column chromatography, TLC, Column chromatography, Secondary metabolites and active ingredients tests (test for presence or absence of Alkaloids, flavanoids, cardiac glycosides,terpenoids, saponins, etc). 3. Handling on Advance Instrumentation methods -like HPLC, GC, GS, UV-VIS Spectrophotometer, Atomic Absorption Spectroptotometer, FTIR (Fourier Transform Infrared Spectrophotometer). 4. Molecular biotechnology-DNA markers (RAPD), Plant virus diagnosis through PCR & ELISA Techniques. 5. Commercial production of Banana, Allium sativum, Zinger, Bamboo, Dendrocalamus asper, Dendrocalamus strictus, Citrus through tissue culture. 6. Successfully tissue cultured Protocols for medicinal and woody species like Bacopa monneri, Roulfia serpentine, Delbergia sisoo, Azadirachita indica. 7. Documentation of Floristic Biodiversity. 8. Microbiology Techniques-Media preparation, inoculation, streaking of slants, mass production and Quality control of Bacterial biofertilizers. 9. Molecular Biotechnology techniques-Survey and selection of Explants for virus diagnosis, cleaning and sterilization of glass wares, isolation of genomic DNA using Sodium Sulphite method, DNA isolation protocol, PCR Amplification using BBTV specified primers, Preparation of PCR Cocktail, Detection of viral DNA, Separation of Amplified DNA through gel electrophoresis.   **Others**   * Certificate course in Microsoft application-2 month   **Abstract selected in**-  1. International conference on Biotech a global scenario Kakatiya University Warangal. Andhra Pradesh. Nov 2nd - 4th 2010.  Topic-Micro propagation Of Delbergia Sisoo through inter nodal segment.  2. National Women science congress-2010. & National Seminar on Water & Environment. Sep-28-29.2010. Host-S.H.G.C. Bhopal. Organized by- Indian Science congress Association.  Topic-Floristic Biodiversity of Narmada Herbal Park and adjoining area.  3. National Seminar On Current Advances in Biosciences: Application in Health, Environment and Agriculture.Nov-23-24, 2010. Sponsored by -U.G.C Central Regional office Bhopal.  Topic-Micro propagation of Virus free Garlic (Allium sativum- l) through meristem disc culture.  4. National seminar on Environment, 16-11-2010 and plant biotechnology- Organized by Govt. Girls college Jabalpur.  Topic-Invitro micropropagation of Citrus.  5. Abstract submitted on micropropagation of Delbergia Sisoo through nodal explant in International conference on plant biotech. Environmental science. Held at vigyan bhavan Bhopal, December 2010.  6. Abstract submitted on micropropogation of Allium staivum through meristem culture  Held at government college betul in November 2010.  7. Abstract selected in 31ST M.P Young Scientist congress.  8. Abstract selected in International science congress Bhopal. 2015 |

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| **Paper presented in International and National conferences.** | **Paper presented in International and National conferences.**  **1. Paper presented** on invitro micropropogation of Delbergia sisoothrough inter Nodal segment. Got the third prize for the same in National Seminar on Green Technology For Sustanable Development And Role Of Women. 11May-2011  Sponsored by-MP COST, Bhopal. Organized by-Govt. Narmada P.G College Hoshangabad.  **2. Paper Presented** –in National seminar on Recent Advances In Environmental Sciences 27-28 dec 2010. Organised by-Govt. College Khurai, District-Sagar (M.P). Sponored by- U.G.C Bhopal.  Topic-Biological studies of Eulophia Nuda Lind.  **3.** **Paper presented -** Micropropagation of Dendrocalamus asper through intermodal segment in1st International Science Congress.Indore-Isca-2011.  **4. Paper presented**-Phytochemical analysis of Eulophia nuda lind –27th M.P Young Scientist Congress Association 28-29 February 2012.  **5.Paper presented-**On Ethno medicinal ,conservation approaches and phytochemical analysis of Eulophia nuda lind in National seminar on role of Ethnobotany in Conservation of Nature organized by Govt.Holker science college Indore Sponsored by U.G.C.  TOPIC-Qualitative and Quantitative analysis of active ingredients of Eulophia nuda lind.  **6. Poster presented** in National conference on chemistry, Biotechnology and Health care-An Interface 24-25 November2011. Organised by-Reva Institute of Science and technology Banglore.  7. **Paper presented** in National seminar on Biodiversity conservation and role of people’s Biodiversity Register. Date 29 March 2012.  8. **Paper presented in**- National Conference on Role of Biotechnology in Human Welfare Micropropagation and invitro fruiting in mulberry through shoot tip and axillary node culture: Ruchi kurapa Shroti.   1. **Paper presented in-31**M.P Young Scientist Congress Association. 2. **Paper presented** in International conference on Translational Medicine in 21ST Century ‘Stem cell transplantation; current status 11-14 April,2015. B.U, Bhopal. |
| **List of paper published** | 1. **Shroti RK**, Upadhyaya R, Upadhyaya ST & Tiwari S (2012). Qualitative phytochemical analysis of Eulophia nuda lind an endangered terrestrial orchid. International journal of Pharmaceutical Research and Bio-science. 1 (5): 456-462. 2. **Ruchi Kurapa Shroti** and Ravi Upadhyay (2013). Invitro micropopgation of Eulophia nuda lind an Endangered Terrestrial orchid through PLB’S. IJPAES. 4(1): 172-176 3. Author Detail (2015). Title. European Journal of Pharmaceutical and medical research. 2(4): 238-249. 4. Author (2011). Floristic diversity of Narmada Herbal park Hoshangabad. In Flora and Flora an International Journal. 16: 58-68. 5. Author (2012). Micropropagation of Dendrocalamus asper through intermodal segment-In International journal of Bulletin of Environmental, Pharmacognosy and life sciences. 1(3)58-60. 6. Arpana pancholi, **Ruchi kurapa**, Niranjan kurane (2013). Antibacterial activity of silver nanoparticles. International Journal of Pharmaceutical research and bio-science. 2(1): 358- 368. 7. Tiwari S, Upadhyaya R & **Shroti R**, Upadhyaya ST (2012). Anti cancerous effect of nano-engineered encapsulating chemotherapeutic drug on human colorectal HT-29 cell line. International journal of Pharmaceutical Research and Bio-science. 1(5): 250-260. 8. Tiwari S, Upadhyaya R, **Shroti R** & Upadhyaya ST (2012). Rubia cordifolia root extract induces apoptosis in cancer cell line. Science Secure Journal of Biotechnology. 1(2):39-42. |
| **Awards and Honors.** | * **3RD** Position in National Seminar Sponsored by M.P.C.S.T Bhopal   Topic-Invitro micropropagation of Delbergia Sisoo Through interNodal segment.   * **1st** Position in Paper presentation by Holker Science College Indore in National seminar on –Role of Ethno medicine in Conservation of Nature Sponsored by U.G.C .DST New Delhi.   Topic- Quantitative And Quatitative Active Ingredents Analysis of Eulophia Nuda Lind.   * Honored by M.P. Bio Diversity Board Bhopal- State Level 07-08-2012 For Conservation Of Biodiversity Through In Vitro Techniques. * Honored by Lions Club International * Swami Vivekanand Samman –Distict level (12-1-2011). * Honored by M.P BIODIVERSITY Board. On the occasion of International day of Biodiversity -2009. * Honored by M.P BIODIVERSITY Board 2010. * 3rd position in Best Essay and Handwriting –State level by CRAN- Child Relief and Nation. * 2ND Position in Essay writing by M.P Police Hoshangabad. |
| **Personal profile**: | Date of Birth : 18 Sep. 1985  Father’s Name: Shri S.C. Kurapa  Mother’s Name: Smt .Savita Kurapa  Marital Status: Married  Nationality: Indian  Sex: Female  Religion: Hindu  Communication Skill: English & Hindi  Hobbies: Social service, Reading, Modern gardening, music. |
| **References** | 1. **Name: Dr. Ravi Upadhyay**   Designation: Professor and Head  Department: Department of Botany  Institution: Govt. P.G. College, Pipariya India.  Email: drru12000@yahoo.co.in  Mobile: 9926338585   1. **Name: Dr. Balendra Pratap Singh**   Designation: Faculty in Botany  Department: Department of Botany  Institution: Maharana Pratap, Govt. P.G. College, Gadarwara, District- Narsinghpur, M.P.  Email: bpsbotnay@hotmail.com  Mobile: 9425124016 |

**DECLARATION**

I hereby declare that the above statements made in the above application are true and correct to the best of my knowledge and belief.

**Place: - Indore**

**Dr. Ruchi Kurapa Shroti**