**Name: Chandra Rekha Kuruganti**

**Qualifications:** [M.Sc. (Chemistry) from IIT- Madras]

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[Business and Management course from IIM- Kozhikode]

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[CSIR qualified]



**Experience:** 17+ years experience in Research and Development, Scale up to Production, Bulk Production, Quality, Formulation, Formulation development, Method Validation, Safety, Cost Reduction, Inventory Management, New Markets Creation, Product Development, Marketing Management, Cost Management, Business Growth.



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**Address:**

W/o G.V.M.Prabhakar, Flat No: 304, Sri Balaji Enclave, Sainik Nagar, Ramakrishna Puram, Near Rythu Bazar, Malkajgiri, Hyderabad, PIN: 500056.



**Additional Qualifications:**

* Qualified in CSIR-UGC (NET) as CSIR-JRF IN 1999 December, 2000 June, 2001 December and as L.S.in 1999 June.
* Got selection as Junior Works Manager (Gazetted) by Union Public Service Commission in 2002.
* Trained by Central Fuel Research Institute, Dhanbad
* Trained by Indian Institute of Petroleum, Dehradun
* Trained by Indian Red Cross Society
* Trained by IIM- Kozhikode in Business and General Management



**My Strengths are**: Positive attitude, Problem Solving, Team work, Fast learner, Mentoring, Developing New technologies in user friendly way, Cost reduction, Timely completion of work, Zero failures in R&D, Adoptability, Learning attitude, Honesty, Hardworking, Loyalty to the company, Inspiring and motivating the team, Timely completion of projects, Innovative.

**Profile Summary:**

**Expertise areas/ Key Skills:**

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| \* Commitment to work and timeliness  \* Business growth  \* Innovation  \* Fast adaptation of the skills to dynamic market.  \* Maintaining global standards and Quality in work  \* Research and Development related to different parameters  \* Zero failures in R&D and Manufacturing  \* Zero accidents in manufacturing and production  \* Safety  \* Bulk production with Zero failures  \* Customer problem solving  \* Literature search and retrieving information from journals and patents  \* Project estimation  \* Scrum  \* Marketing Management  \* Value Innovation  \* Creating new markets  \* Inventory Management  \* Supply chain Management  \* Cost Management  \* Cost reduction  \* Audits  \* Tenders  \* Problem solving  \* Budgeting  \* Economics  \* Compliance  \* Environmental Management  \* Pollution related studies  \* Waste management  \* Effluent treatment | \* Low temperature reactions  \* High Vacuum techniques  \* Moisture sensitive reactions  \* Developing new methods for Spectrophotometric determination  \* Shelf-life studies/ stability studies  \* Instruments testing and calibration  \* Successfully developed more than 100 new Technologies  \* Field test methods development as per the market demands and customer needs  \* Detection methods development for different fields like online analysis, Spectrophotometers, Hand held meters  \* Scale up from R&D to Production  \* Formulation Development  \* Designing experiments  \* Designing Quality Standards  \* QC testing  \* Technology Transfer  \* Working with Reactors  \* Chemicals  \* Synthesis  \* Method validation  \* Statistical Analysis  \* Production  \* Chromatography  \* Catalysis  \* Batteries  \* Fertilisers  \* Corrosion analysis  \* Boiler water  \* Power Generation  \* Steam water analysis  \* Water treatment  \* Water testing  \* Manufacturing |



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| **Work Experience:**    **Tintometer India Private Ltd**  **Head of the Department, Chemistry**  Dec 2014 to Feb 2022 (7 Years 3 months)  Manufacturing reagents for different industries, Safety, Zero accidents, scale up from R&D to production, Quality, Good knowledge of literature search and retrieving information from journals and patents, and designing experiments, product development, new polynomials development for spectrophotometers, Customer problem solving, Organic synthesis, Reagents for water analysis, Customer focused R&D on new market areas, field test kit development, Developing new Methods for Spectrophotometers, developing new formulations and its Validation, COA preparation, quality designing, Shelf- life studies, testing instruments, scale up to production, tenders technical evaluation, Developing new methods/ reagents/ formulations on par with global standard, Cost reduction, Purchase of raw materials, Compliance, Business growth, Creating new Markets.  **Nagarjuna - Shubhotech Pvt. Ltd.**  **Assistant Manager**  Apr 2014 to Jul 2014 (3 months)  Separation of bound water and oil recovery from oily sludge  **Itrace nano tech pvt. Ltd.**  **Research Associate**  May 2013 to Jan 2014 (8 months)  Column Chromatography, Synthesis, Technology development for producing fertilisers like potassium sulphate from seawater.  **HBL Power systems Ltd., Hyderabad**  **Senior Engineer**  Sep 2008 to Feb 2011 (2 years 5 months)  R&D in batteries, production, technology transfer  **National Thermal Power Corporation Ltd.**  **Senior Assistant Chemist**  May 2002 to Aug 2007 (5 years 3 months)  Ion Exchange Chromatography, Operation of Water Treatment Plant and Power plant, Boilers, Effluent Treatment Plant, Liquid waste Treatment Plant, R&D, Production, Water Analysis, Corrosion Analysis, Pollution studies, Environmental Audits, Environmental monitoring, Water consent, Air consent, Stack emission control, Ambient air quality monitoring, effluent gas emissions control, pollution checkups.  **National Chemical laboratory, Pune**  **CSIR-JRF**  May 2001 to May 2002 (1 year)  R&D in Polymer synthesis in Anionic and Free Radical polymerisations, High vaccum handling techniques.  **IT Skills:**   * **C, C++, MATLAB, Fortran 77, SQL**   **Instruments Handled:**   * High Vaccum techniques, Monometer units, Handled instruments, photometers, AAS, GC, Turbidymeter, Flame Photometer, UV-Vis Spectrophotometer, Photometer, Comparator, PH and Conductivity meters, TDS meters, Salinity meters, Dissolved Oxygen meters, BOD instruments, HPLC, GC-MS, FTIR, Bomb Calorimeter, Karl-Fischer Moisture analyzer, Viscometer, Chromatographic Columns, Ion Analysers, . |

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| **Academic Credentials:**  2022:  Studying Business and Management Course from IIM- Kozhikode  2001:  M.Sc. (Chemistry) from IIT Madras  with 75.1%  1998:  M.Sc. (Nuclear Chemistry) from Andhra University Campus College  with 67.6%  1996:  B.Sc. (Mathematics, Physics, Chemistry) from Acharya Nagarjuna University with 84.1%  **Cleared all the subjects in First Attempt with Distinction in all the academics.**  **Projects completed successfully:**   * **Field test kits and Test strips development**   Tintometer (Onsite)  Mar 2020 to Sep 2021 (Full Time)   * Development of various spectrophotometer methods * Field test kits in water analysis for various parameters as per BIS and APHA standards. * Development of Arsenic test kit and its test strips development, * Fluoride testing, * And so many parameters testing kits and methods development with zero failures and global standards with less cost in very less time, * Online analysis methods. * **Fertiliser extraction from sea water**   Itrace Nanotech (Onsite)  May 2013 to Jan 2014 (Full Time)  Extracting fertilisers from sea water using ion exchange chromatography   * **Secondary batteries**   HBL Power systems (Onsite)  Sep 2008 to Feb 2011 (Full Time)  R&D in new secondary batteries development   * **Fuel cells**   NTPC (Onsite)  May 2004 to Sep 2005 (Full Time)  Fuel Cells Technology for energy generation   * **Reverse Osmosis**   NTPC (Onsite)  Dec 2002 to Apr 2003 (Full Time)  Reverse Osmosis for water purification   * **Hetereogeneous catalysis**   Indian Institute of Technology Madras (IITM) (Onsite)  Jul 2000 to Mar 2001 (Full Time)   * Heterogeneous Catalysis using mesoporous materials * **Periodic table- a conceptual framework**   Indian Institute of Technology Madras (IITM) (Onsite)  2012 to Mar 2013 (published in IITM Catalysis online database library)   * **Invention and synthesis of poly end functional polymers and initiators**   National Chemical Laboratory (CSIR NCL) (Onsite)  Jun 2001 to May 2002 (Full Time)  Invention and synthesis of poly end functional monomers and polymers |





**Personal Details:**

Date of Birth: 06- June- 1976

Permanent Address: Sainik Nagar, Ramakrishna Puram, Malkajgiri, Hyderabad- 500056.

Gender: Female

Marital Status: Married

Hometown: Repalle

Preferred location: Hyderabad/Secunderabad

Previous CTC: 13.6 Lakhs per annum

