**Bio-data**

**PART A : GENERAL INFORMATION AND ACADEMIC BACKGROUND**

1. **Name (in Block Letters) :** Dr. DNYANESHWAR RAMBHAU SHINDE
2. **Department :-** Chemistry
3. **Current Designation: Associate Professor**
4. **Total teaching Experience:** 17 years **In this College:** 14 years
5. **Date of Birth :** 01 / 08 / 1970
6. **Sex :** Male
7. **Indicate whether belongs to SC/ST/OBC category:** OBC
8. **Address:** C-3, Siddheshwar Nagari, Malawar,

A/P – Rajgurunagar, Tal – Khed, Dist - Pune

**Telephone No :** 9881350383 **Email :** [drshinde1970@yahoo.com](mailto:drshinde1970@yahoo.com)

**9. Academic Qualifications (Matric till post graduation) :-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Examinations** | **Name of the Board/ University** | **Year of Passing** | **Percentage of marks obtained** | **Division/**  **Class/Grade** | **Subject** |
| High School | SSC board Maharastra | 1986 | 61.5 % | First |  |
| Intermediate | HSC board Maharastra | 1988 | 51.00 % | Second |  |
| B.Sc. Chemistry | Pune University | 1991 | 71.5 % | First with Dist. | Chemistry |
| M.Sc. Chemistry | Pune University | 1993 | 62.5 % | First | Inorganic Chemistry |
| Others examination, if any: | Qualified NET  twice | Dec 1994  Aug 2011 |  |  | Chemical Science |

**10. Research Degree(s)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Degrees** | **Title** | **Date of award** | **University** |
| Ph. D. | Study on Chemical Potential of Cyanobacterium Nostoc: Characterization and Applications | 3/05/2010  Awarded  10 Dec. 2010 | Pune University |

**11. Appointments held prior to joining this institution**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Designation** | **Name of Employer** | **Date of Joining** | | **Salary with Grade** | **Reason of leaving** |
| **Joining** | **leaving** |
| Jr. lecturer | Gramonnati Mandals, A. C. S. College Narayangaon | 11/09/1995 | 15/12/1999 | 2200-250-10000 | Non-grant college |

**12. Period of teaching experience :**

**P.G. Classes (in years): 07**

**U.G. Classes (in years ): 17**

**13. Research Experience excluding years spent in M. Phil / Ph. D (in years):** 03

**21. Fields of Specialization under the Subject / Discipline**

(a) Environmental chemistry, Coordination chemistry

**22. Academic Staff College Orientation / Refresher Course attended:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Course / Summer School** | **Place** | **Duration** | **Sponsoring Agency** |
| Academic Staff College, Pune University, Orientation | Pune | 1 - 28 April 2001 | **UGC** |
| Academic Staff College, Pune University, Refresher on Analytical Chemistry | Pune | 3 -24 Sept. 2002 | **UCG** |
| Academic Staff College, Pune University, refresher course in IT | Pune | 18 Sept. to 8 Oct 2004 | **UGC** |
| Academic Staff College, Pune University, refresher course in Green Chemistry | Mumbai | 24 Sep. 14 Oct. 2006 | **UGC** |

**23. Use of Participatory and Innovative Teaching-Learning Methodologies, Updating of Subject Content, Course Improvement etc.**

|  |  |
| --- | --- |
| **1** | Prepared interactive PPT on topics related to T.Y.B.Sc. Chemistry - i) AAS, ii) FES, iii) GC, iv) HPLCE, v) TLC, Atomic structure |
| **2** | Prepared EXCEL based simulation on HPLC |
| **3** | **Study materials/e-notes: For T. Y. B. Sc.:** Analytical chemistry, M. Sc. – I: CH 290 course, Practical Manual of Inorganic chemistry practical: T. Y. B. Sc., M. Sc.-I, M. Sc.-II, Manual of organic chemistry practical M. Sc.-II. |

**Participation in college activities:**

**Please mention your contribution to any of the following:**

|  |  |
| --- | --- |
| **Sr. No.** | **Type of Activity** |
| 1 | Chairman of Time-Table Committee |
| 2 | Chairman of Academic Calendar Committee |
| 3 | Chairman of 7th Criterion NACC RAR |

**RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS:**

**A) Published Papers in Journals**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of paper** | **Journal** | **ISSN/ISBN No.** | Peer reviewed. Impact Factor | No. of co-authors | Whether you are the main author |
| 1 | Hydrogen peroxide and activated charcoal mediated removal of chromium from chrome electroplating effluent | International journal of Science and engineering research | 2229-5518  Vol:4(9), 2013, Pp 1091-1095 | yes | one | yes |
| 2 | Colloidal MnO2 Catalyzed Degradation of Two Azo Dyes Methyl Red and Methyl Orange from Aqueous Medium. | International journal of Science and engineering research | 2229-5518  Vol-4(10), 2013, pp-1119-1122 | yes | two | yes |
| 3 | Evaluation of plant biomass as reducing agent to Cr(VI) from electroplating effluent and removal of Cr(III) by adsorption on hematite ore | Asian Journal of Chemistry | ISSN: 2229-5518  Vol-27(3), 2015, pp: 803-807 | Yes  **IF: 0.35** | one | yes |
|  | Utilization of Biomass of species of Cyanobacterium Nostoc for production of pigments and adsorption of heavy metal ions Cu(II), Cd(II) and Cr(VI) from aqueous solutions, | Global  Science Book | Bioremediation, Biodiversity and Bioavalability (BBB)  **Volume:3(1), pp-49-54.** | yes | two | yes |
|  |  |  |  |  |  |  |

**(E) (ii) Papers presented in Conferences, Seminars, Workshops, Symposia**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Title of the paper presented** | **Title of Conference / Seminar** | **Organized by** | **Whether Int. National/ National level** |
| **1** | Phyto-remediation of chrome electroplating effluent by species of cyanobacterium *Nostoc***.** | Algal Biotechnology held at University of Delhi, Delhi, India. | **Delhi Univeristy**  1-4 Dec 2009 | **International** |
| **2** | **Exploring interaction of Napthaquinone with primary amines: Synthesis, Kinetics and Metal Binding Studies.** | Emerging Trends in Chemistry held at University of Pune, Pune, Maharastra, India. | **Pune University**  (5-7 Jan 2010**)** | **International** |
| **11** | Implementation of EXCEL spreadsheet simulation in classroom teaching for practical aspects of HPLC chromatogram | New methodologies in Chemistry Education | Royal College of Atr’s, Science and Commerce, Thane  20/12/2011 | National |
| **2** | Green chemistry approach to conventional methods of laboratory synthesis | Recent Advances in Chemical and Environmental science | Prof. Ramkrishna More College, Akurdi, Pune-44  10-12 Feb 2012 | National |
| **3** | Study on Reduction of Cr(VI) from Chrome Electroplating Effluents by Plant Biomass and Removal of Reduced form of Cr from Effluents | Recent Advances in Chemical and Environmental science | Prof. Ramkrishna More College, Akurdi, Pune-44  10-12 Feb 2012 | National |
| **4** | Synthesis of aminoacid complexes of Cu(II) and Mn(II) ions from hydroxide precursors | Emerging Trends in Chemistry | Swa. Sawarkar Mahavidyalaya, Beed  29-30/12/2011 | National |
| **5** | Removal of Cr(VI) from industrial electroplating effluents by using combine process of reduction and adsorption | Emerging Trends in Chemical Sciences | Organized by School of Chemical Sciences, University of Solapur  2-4 Nov. 12 | International |
| **6** | Fe Catalyzed Degradation of Azo Dyes with Potassium Persulphate in  Aqueous Acidic Solution | Emerging Trends in Chemical Sciences | Organized by School of Chemical Sciences, University of Solapur  2-4 Nov. 12 | International |
| **7** | Reductive removal of Cr(VI) from aqueous solution by use of sodium sulfide and activated charcoal | Recent Trends in Coordination Chemistry | Rayat Shishkan Sansthas  Karmaveer Bhurao Patil College, Vashi  4-5 Oct. 2013 | National |
| **8** | Synthesis of Highly Active Nano-Amorphous Manganese Dioxide and its Catalytic Activity | International Conference on Advances and Applied Material Science ICAAMS-2014 | Gopal Krishna Gokhale College, Kolhapur-416012, and Shivaji University Kolhapur  15-16 Jan 2014 | International |
| **9** | Entrapment of Heavy Metal Ni(II) and Cu(II) from Electroplating Effluent Using Crystalline Ferric Oxide as an Adsorbent | Global Opportunities for Latest Developments in Chemistry and Technology  GOLD-CT 2014 | North Maharashtra University, Jalgoan  6-8 Feb 2014 | International |
| **10** | Williamson-Hall analysis of XRD of ZnO photocalysts synthesized from mixed precursor at different temperatures | International Conference on Structural Inorganic Chemistry  Organized by NCL, Pune | NCL Pune  (4-5 Dec. 2014) | International |

**E (iii) Invited Lectures and Chairmanships at national or international conference/seminar etc.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Title of Lecture / Academic Session** | **Title of Conference / Seminar etc.** | **Organized by** | **Whether international / National** |
|  | **Editor of Abstract Book** | Recent Advances in Chemical and Environmental Science | Prof. Ramkrishna More College, Akurdi, Pune-44 | National |

**RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS:**

**A) Published Papers in Journals**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of the teacher** | **Name of paper** | **Year** | **Journal** |  | **ISSN/ISBN No.** | **. Impact Factor** | **National** | **International** |
| 1 | D. R. Shinde | Hydrogen peroxide and activated charcoal mediated removal of chromium from chrome electroplating effluent | 2013 | International journal of Science and engineering research | Vol:4(9), 2013, Pp 1091-1095 | 2229-5518 | Nil |  | International |
| 2 | D. R. Shinde | Colloidal MnO2 Catalyzed Degradation of Two Azo Dyes Methyl Red and Methyl Orange from Aqueous Medium. | 2013 | International journal of Science and engineering research | Vol-4(10), 2013, pp-1119-1122 | 2229-5518 | Nil |  | International |
| 3 | D. R. Shinde | Evaluation of plant biomass as reducing agent to Cr(VI) from electroplating effluent and removal of Cr(III) by adsorption on hematite ore | 2015 | Asian Journal of Chemistry | Vol-27(3), 2015, pp: 803-807 |  | **0.35** |  | International |

**(D) Papers presented in Conferences, Seminars, Workshops, Symposia**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr.**  **No.** | **Name of the teacher** | **National** | **International** | **Title of the paper presented** | **Year** | **Title of Conference / Seminar** | **Whether published in proceeding** | **Whether oral or poster** |
| **11** | D. R. Shinde | National |  | Implementation of EXCEL spreadsheet simulation in classroom teaching for practical aspects of HPLC chromatogram | 20 Dec 2011 | New methodologies in Chemistry Education **Organized by** Royal College of Atr’s, Science and Commerce, Thane | N/A | Poster |
| **2** | D. R. Shinde | National |  | Green chemistry approach to conventional methods of laboratory synthesis | 10-12 Feb 2012 | Recent Advances in Chemical and Environmental science **Organized by** Prof. Ramkrishna More College, Akurdi, Pune-44  Recent Advances in Chemical and Environmental science | N/A | Poster |
| **3** | D. R. Shinde | National |  | Study on Reduction of Cr(VI) from Chrome Electroplating Effluents by Plant Biomass and Removal of Reduced form of Cr from Effluents |  | N/A | Poster |
| **4** | D. R. Shinde | National |  | Synthesis of aminoacid complexes of Cu(II) and Mn(II) ions from hydroxide precursors | 29-30 Dec 2011 | Emerging Trends in Chemistry **Organized by** Swa. Sawarkar Mahavidyalaya, Beed | N/A | Poster |
| **5** | D. R. Shinde |  | International | Removal of Cr(VI) from industrial electroplating effluents by using combine process of reduction and adsorption | 2-4 Nov. 12 | Emerging Trends in Chemical Sciences  **Organized by** School of Chemical Sciences, University of Solapur | N/A | Poster |
| **6** | D. R. Shinde |  | International | Fe Catalyzed Degradation of Azo Dyes with Potassium Persulphate in  Aqueous Acidic Solution | 2-4 Nov. 12 | Emerging Trends in Chemical Sciences  **Organized by** School of Chemical Sciences, University of Solapur | N/A | Poster |
| **8** | D. R. Shinde |  | International | Synthesis of Highly Active Nano-Amorphous Manganese Dioxide and its Catalytic Activity  **pp-156-160** | 15-16 Jan 2014 | International Conference on Advances and Applied Material Science ICAAMS-2014 **organized by** Gopal Krishna Gokhale College, and Shivaji University Kolhapur | YES | Poster  **ISBN: 978-81-928717-0-7** |
| **9** | D. R. Shinde |  | International | Entrapment of Heavy Metal Ni(II) and Cu(II) from Electroplating Effluent Using Crystalline Ferric Oxide as an Adsorbent  **pp-169-174** | 6-8 Feb 2014 | Global Opportunities for Latest Developments in Chemistry and Technology GOLD-CT 2014 **organized by** North Maharashtra University, Jalgoan | YES | Poster  **ISBN:**  **0971-9563** |
| **10** | D. R. Shinde |  | International | Williamson-Hall analysis of XRD of ZnO photocalysts synthesized from mixed precursor at different temperatures | 4-5 Dec. 2014 | International Conference on Structural Inorganic Chemistry  Organized by NCL, Pune | N/A | Poster |
| **11** | D. R. Shinde, K.S. Pawar, H. M. Pathan, K. M. gadave |  | International | Dye sensitized solar cell with naturally occurring pigment from carrot as a photosensitizer for ZrO2 | 30-July to 1 Aug-2015 | International Photovoltaic Solar Energy Conference, SOLAR-Asia 2015 | Proceeding Publication | Poster |
| **12** | K. M. gadave, K.S. Pawar, D. R. Shinde, H. M. Pathan |  | International | Utilization of naturally occurring pigment lycopeneas photosensitizer for ZnO based Dye sensitized solar cell | 30-July to 1 Aug-2015 | International Photovoltaic Solar Energy Conference, SOLAR-Asia 2015 | Proceeding Publication | Oral |
| **13** | D. R. Shinde, P. S. Tambade |  | International | Computational study of napthhaquinone based dye for dye sensitized solar cell | 10-12 March 2016 | Functional Ecofriendly Smart Emerging Materials, Organized by B. G. College, Sangavi, Pune-27 | N/A | Poster |
| **14** | P. S. Tambade, D. R. Shinde |  | International |  | 10-12 March 2016 | Functional Ecofriendly Smart Emerging Materials, Organized by B. G. College, Sangavi, Pune-27 | N/A | Poster |
| **15** | Apeksha Tarde, D. R. Shinde, R.A.Pawar |  | International | Effect of annealing temperature of ZnO and precursor on photocatalytic activity | 10-12 March 2016 | Functional Ecofriendly Smart Emerging Materials, Organized by B. G. College, Sangavi, Pune-27 | N/A | Poster |
| **16** | Dipali Gharge, D. R. Shinde, Prakash Patil |  | International | Study of amorphous nano-crystalline MnO2 catalyzed degradative removal of crystal violet dye | 10-12 March 2016 | Functional Ecofriendly Smart Emerging Materials, Organized by B. G. College, Sangavi, Pune-27 | N/A | Poster |
| **17** | Sandip Kanade, D. R. Shinde, K.G. Kanade |  | International | Synthesis, characterization of transition metal doped ZnO photocatalyst and its application for dye degradation under solar irradiation | 10-12 March 2016 | Functional Ecofriendly Smart Emerging Materials, Organized by B. G. College, Sangavi, Pune-27 | N/A | Poster |
| **18** | D. R. Shinde | national |  | N/A | 1-3 march 2016 | National Workshop on Electronic structure Methods: Density Functional Theoretic perspectives (NWESM-2016) | N/A | N/A |