1. Record Nr. UNINA9910466895303321 Autore Ambulkar Archis Titolo Guidance for professional development in drinking water and wastewater industry / / Archis Ambulkar London, England: ,: IWA Publishing, , 2015 Pubbl/distr/stampa ©2015 **ISBN** 1-78040-697-5 Descrizione fisica 1 online resource (196 p.) Disciplina 628.1 Soggetti Water quality management Drinking water - Standards Water resources development Electronic books. Inglese Lingua di pubblicazione **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""Cover""; ""Copyright""; ""Contents""; ""List of Figures""; ""About the Nota di contenuto Author""; ""Preface""; ""Acknowledgement""; ""Chapter 1: Introduction""; ""1.1 Global Drinking Water and Sanitation Scenario""; ""1.2 Drinking Water and Wastewater Profession""; ""1.3 Publication Objectives""; ""1.4 Scope and Goals""; ""1.5 Chapter Contents""; ""1.6 Profession's Key Resource Databases"": ""Chapter 2: Educational options in the drinking water and wastewater field""; ""2.1 Short-Term Courses or Education Programs""; ""2.2 Diploma or Certificate""; ""2.3 Associate Degree""; ""2.4 Bachelor's Degree"" ""2.5 Master's Degree""""2.6 Doctorate Degree""; ""2.7 Postdoctoral Scholars""; ""2.8 Continued Education""; ""2.9 Program Requirements and Special Skills""; ""2.10 Trends in Science and Engineering""; ""Chapter 3: Career avenues in the drinking water and wastewater field""; ""3.1 University and College Positions""; ""3.2 Research Institute or Organization Positions""; ""3.3 Consultants and Engineering Staff""; ""3.4 Software Operators, Designers and Drafters""; ""3.5 Construction, Supervision and Management Staff""; ""3.6 Water or Wastewater System

""3.7 Laboratory Professionals""""3.8 Permitting Authority Staff""; ""3.9

Operators""

Manufacturing Staff""; ""3.10 Utility Company Staff""; ""3.11 Sales and Marketing Staff""; ""3.12 Industry Staff""; ""3.13 Job Affiliation Organizations""; ""Chapter 4: Professional development overview""; ""4.1 Student-Phase""; ""4.1.1 Pursuing educational program""; ""4.1.2 Educational finances, fellowships and assistantships""; ""4.1.3 Curriculum and subjects""; ""4.1.4 Seminars and projects""; ""4.1.5 Research and Teaching Assistantship""; ""4.1.6 Interaction with faculty members""

""4.1.7 Developing knowledge database"""4.1.8 Social awareness of field""; ""4.1.9 'Special Remarks' Droplets""; ""4.2 Internship-Phase""; ""4.2.1 First step towards profession""; ""4.2.2 Basics of the business""; ""4.2.3 Glimpse of professional experience""; ""4.2.4 Communication is the key""; ""4.2.5 Preparations for a real job""; ""4.2.6 'Special Remarks' Droplets""; ""4.3 Entry-Level Professional""; ""4.3.1 Job search options""; ""4.3.2 Job applications and interview""; ""Resume Preparations""; ""Cover Letter Preparation""; ""Job Interview""; ""4.3.3 Nervous mind at work""

""4.3.4 Sticking to the basics"""4.3.5 Profession based work documents""; ""4.3.6 Inter-departmental coordination""; ""4.3.7 Vendor correspondence""; ""4.3.8 Managing deadlines""; ""4.3.9 Initial certifications""; ""4.3.10 'Special Remarks' Droplets""; ""4.4 Mid-Level Professionals""; ""4.4.1 Project management for infrastructure projects""; ""4.4.2 Effective coordination and communications""; ""4.4.3 Non-technical duties""; ""4.4.4 Client correspondence""; ""4.4.5 Learning industry reference standards""; ""4.4.6 Professional designations""; ""4.4.7 Key organizations involvement"" ""4.4.8 'Special Remarks' Droplets""