

# BOOK LIST

## CHEMICAL ENGINEERING

| S.NO | BOOK NAME   | AUTHOR NAME  |
|------|---|--|
| 1    | The Condensed chemical dictionary 10 <sup>th</sup> edition        | Gessner G.Hawley   |
| 2    | Heat and thermodynamics 7 <sup>th</sup> edition                   | Mark W.Zemansky,<br>Richard H .Dittman                   |
| 3    | Chemical Process Control  | George Stephanopoulos                                    |
| 4    | Mass Transfer- I  | Kiran D.Patil  |
| 5    | Fundamentals of Chemical Reaction Engineering                     | G.N.Pandey<br>S.N.Srivastava                             |
| 6    | A Textbook of chemical engineering thermodynamics                 | K.V.Narayanan  |
| 7    | Chemical engineering thermodynamics 6 <sup>th</sup> edition       | J.M.Smith,<br>H .C. Van Ness,<br>M .M .Abbott            |
| 8    | Elements of chemical reaction engineering 3 <sup>rd</sup> edition | H.Scott Fogler   |
| 9    | Introduction to chemical engineering                              | Walter L.Badger<br>Julius T.Banchero                     |
| 10   | Chemical reaction engineering                                     | Octave Levenspiel  |
| 11   | Chemical engineering kinetics 3 <sup>rd</sup> edition             | J.M.Smith  |
| 12   | Coulson's & Richardson's Chemical engineering                     | J .F. Richardson<br>J .H. Harker<br>With J. R. Backhurst |
| 13   | Heat transfer   | J .P. Holman   |
| 14   | Mass transfer operations  | Robert E. Treybal  |
| 15   | Energy Technology   | S.Rao,Dr.B.B.Parulekar                                   |
| 16   | Introduction to chemical engineering                              | Salil .K.Ghosal<br>Shyamal.K.Sanyal<br>Siddhartha Datta  |
| 17   | Shreve's chemical process industries 5 <sup>th</sup> edition      | George T.Austin  |
| 18   | Chemical process principles 2 <sup>nd</sup> edition               | O.A.Hougen<br>K.M.Watson<br>R.A.Ragatz                   |
| 19   | Heat transfer   | P.K.Nag  |
| 20   | Heat & Mass transfer data book 4 <sup>th</sup> edition            | C.P.kothandaraman<br>S.Subramanyan                       |
| 21   | Finite and boundary element methods in engineering                | O.P.Gupta  |
| 22   | Biochemical calculations 2 <sup>nd</sup> edition                  | Irwin H. Segel   |
| 23   | Engineering chemistry   | P.C.Jain   |
| 24   | Boiler operation Engineering 2 <sup>nd</sup> edition              | P.Chattopadhyay  |
| 25   | Unit operations of chemical engineering 6 <sup>th</sup> edition   | Mc Cabe Smith<br>Harriot                                 |

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|----|---|--|
| 26 | Heat transfer   | K.A.Gavhane  |
| 27 | Coulson's & Richardson's Chemical engineering 6 <sup>th</sup> edition           | J .F. Richardson<br>J .H. Harker<br>With J. R. Backhurst |
| 28 | Basic principles & calculations in chemical engineering 2 <sup>nd</sup> edition | David M.Himmelblau                                       |
| 29 | Biochemical engineering Fundamentals 2 <sup>nd</sup> edition                    | James E.Bailey<br>David F.ollis                          |
| 30 | Principles of reaction engineering  | S.D.Dawank   |
| 31 | Perry's chemical engineering hand book 7 <sup>th</sup> edition                  | Robert H.Perry<br>Don W.Green                            |
| 32 | Hand book of chemical engineering 2 <sup>nd</sup> edition                       | Nicholas.P.Chopey  |
| 33 | Heat transfer   | Binay K.Dutta  |
| 34 | Steam tables  | R.S.Khurmi   |
| 35 | Question bank in chemical engineering   | Vipin.K.Mehta  |
| 36 | Chemical kinetics & reaction mechanisms 2 <sup>nd</sup> edition                 | James.H.Espenson   |
| 37 | Engineering thermodynamics 4 <sup>th</sup> edition                              | Gordon Rogers<br>Yon Ma Yhew                             |
| 38 | Thermodynamics 3 <sup>rd</sup> edition  | Yunus A.Gengel<br>Michal A.Boles                         |
| 39 | Chemical reaction engineering –I 5 <sup>th</sup> edition                        | K.A.Gavhane  |
| 40 | Mass transfer-II 3 <sup>rd</sup> edition  | K.A.Gavhane  |
| 41 | Momentum heat & mass transfer 3 <sup>rd</sup> edition                           | C.D.Bennett<br>J.E.Myers                                 |
| 42 | Mass transfer operations 3 <sup>rd</sup> edition                                | Robert E. Treybal  |
| 43 | Biochemical Engineering   | Harvey .W.Blanch<br>Douglar.S.Clark                      |
| 44 | Principles of unit operations 2 <sup>nd</sup> edition                           | Alan. S. Foust<br>Leonard .A.wenzel                      |
| 45 | Unit Operation –II(heat & mass transfer)  | K.A.Gavhane  |
| 46 | Boundary Layer Theory 8 <sup>th</sup> edition                                   | H.Schlichting<br>K.Gresten                               |
| 47 | Thermodynamics 6 <sup>th</sup> edition  | Kenneth wark<br>JR.Donald E.Richards                     |
| 48 | A Course in heat & mass transfer  | Dhanpat Rai &co  |
| 49 | Solved examples in chemical engineering 6 <sup>th</sup> edition                 | G K Ray  |
| 50 | Heat transfer   | J.P.Holman   |
| 51 | Fundamentals of heat & mass transfer  | Frank .P.Incropera<br>David .P.dewitt                    |

## BIOCHEMISTRY

| S.NO | BOOK NAME   | AUTHOR NAME  |
|------|---|--|
| 1    | Principles of biochemistry 2 <sup>nd</sup> edition                          | Albert L . Lehninger<br>David L. Nelson<br>Michael.M.Cox                   |
| 2    | Fundamentals of biochemistry  | Dr.A.C.DEB   |
| 3    | Textbook of medical biochemistry  | M.N.Chatterjea<br>Rana Shinde  |
| 4    | Biochemistry 5 <sup>th</sup> edition  | Jermey .M.Berg<br>John.L.Tymoczkv<br>Lubert Stryer                         |
| 5    | Biochemistry 2 <sup>nd</sup> edition  | Donald Voet<br>Judith G Voet   |
| 6    | Biochemical methods 2 <sup>nd</sup> edition                                 | S.Sadasivam<br>A.Manickam  |
| 7    | Biochemistry 2 <sup>nd</sup> edition  | Philip .W.Kuchel<br>Gregory.B.Ralston                                      |
| 8    | Biochemistry of cell signalling (Indian edition)                            | Ermst. J.M.Helmreich   |
| 9    | Biochemistry  | John .w.Pelley<br>Edward .F.Goljam   |
| 10   | Lehninger Principles of biochemistry 3 <sup>rd</sup> edition                | David.L.Nelsin<br>Michael.M.Cox  |
| 11   | Biochemistry 2 <sup>nd</sup> edition  | Garret& Grisham  |
| 12   | Biochemistry 4 <sup>th</sup> edition  | Lubert Stryer  |
| 13   | Textbook of Biochemistry with chemical correlations 5 <sup>th</sup> edition | Thomas .M.devlin   |
| 14   | Lehninger Principles of biochemistry 4 <sup>th</sup> edition                | David.L.Nelsin<br>Michael.M.Cox  |
| 15   | An introduction to practical biochemistry 3 <sup>rd</sup> edition           | David.T.Plummer  |
| 16   | Enzyme technology   | Ashok Pandey<br>Colin Webb<br>Carlos Richardo Soccol<br>Christian Larroche |
| 17   | Fundamentals of Enzymology  | Nicholas.C .Price<br>Levis Stevens   |
| 18   | Enzyme Kinetice A Modern Approach   | A.G.Marangoni  |
| 19   | Biochemistry 4 <sup>th</sup> edition  | Gumport<br>Jonas<br>Mintel<br>Rhodes<br>Koeppe                             |
| 20   | Principles of biochemistry  | Zubay<br>Parson Vance  |
| 21   | Principles of biochemistry  | Geoffrey L.Zubay<br>William.W.Parson<br>Dennis .E.Vance                    |
| 22   | Biochemistry –Illustrated   | Peter.N.campbell,Anthony D.Smith   |

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|----|--|---|
| 23 | Biochemistry Lab Fax                                       | J.A.A.Chambers<br>D.Richwood  |
| 24 | Laboratory manual of biochemistry,bioprocess, microbiology | T.Palvannan<br>S.Shanmugam<br>T.Sathish Kumar   |
| 25 | Introduction to practical biochemistry                     | S.K.Sawhney<br>Randhir Singh  |
| 26 | Fundamentals of biochemistry for medical students          | Ambika Shanmugam  |
| 27 | Learning biochemistry                                      | Richard.F.Leudena   |
| 28 | Analytical biochemistry and separation techniques          | Dr.P.Palanivelu   |
| 29 | Biochemistry   | L.m.Narayanan<br>K.Nallasingam<br>N.Arumugam<br>Dulsy Fatima<br>R.P.Meyyan Pillai<br>S.Prasanna Kumar |
| 30 | Biochemical engineering fundamentals                       | E.Balley  |
| 31 | Biochemistry Lab Manual                                    | Farrel,Taylor   |

## INSTRUMENTAL METHODS OF ANALYSIS

| S.NO | BOOK NAME  | AUTHOR NAME   |
|------|--|---|
| 1    | Instrumental methods of chemical analysis                | Gurdeep R.Chatwal<br>Sham .K. Anand                               |
| 2    | Molecular structure and spectroscopy                     | G.Arulehas  |
| 3    | Biophysics   | Vasantha paltabhi<br>N.Gautham                                    |
| 4    | Instrumental methods of analysis 7 <sup>th</sup> edition | Willard,<br>Merritt,<br>Dean<br>Settle                            |
| 5    | Protein –Ligand interactions structure and spectroscopy  | Stephen E.Hasding<br>Babur.Z.Chowdry                              |
| 6    | Spectroscopy-perspectives and frontiers                  | A.P.Roy   |
| 7    | Elementary organic Spectroscopy                          | Y.R.Sharma  |
| 8    | Biophysics   | Dr.S.Thiravia Raj   |
| 9    | Instrumental methods of analysis                         | B.K.Sharma  |
| 10   | Textbook of quantitative chemical analysis               | G.H.Jeffrery<br>J.Bassott<br>J.Mendham<br>R.C.Deneey              |
| 11   | Elements of Spectroscopy                                 | Pragati Prakashan<br>Dr.S.L.Gupta<br>Dr. V.kumar<br>Dr.R.C.Sharma |

## IMMUNOLOGY

| S.NO | BOOK NAME  | AUTHOR NAME  |
|------|--|--|
| 1    | Schaeem's outlines immunology  | George Pincheek  |
| 2    | Immunology and serology in laboratory medicine                       | Mary Lousie Turgeon  |
| 3    | An Introduction to immunology  | C.V.Rao  |
| 4    | Immunology   | C.V.Rao  |
| 5    | Immunology   | Dulsy Fatima Arumugam  |
| 6    | Immunology   | Richard A.Croldshy<br>Thomas J.Kindt<br>Barbara A.Osborne<br>Jarnis Kuby |
| 7    | Immunology   | Roitt<br>Brostoff<br>Male  |
| 8    | Antibody engineering protocols                                       | Sudhir Paul  |
| 9    | Instant notes in immunology  | P.M.Lydyard<br>A.Whelan<br>M.W.Fanger                                    |
| 10   | Elements of immunology   | S.C.Rastogi  |
| 11   | Immunochemistry labflax  | M.A.Kerr<br>R.Thorpe   |
| 12   | Immunology theoretical and practical concepts in laboratory medicine | Hannah D.Zane  |
| 13   | Clinical immunology  | Catherin Sheehan   |
| 14   | Cellular interaction and immunology                                  | Butterworth<br>Heinemann   |
| 15   | Cellular immunology labflax  | P.J.Delves   |
| 16   | Essential immunology   | Ivan M.Roitt<br>Peter.J.Delves   |
| 17   | Immunology and microbiology  | A.Mani<br>L.M.Narayanan<br>Dulsy Fatima<br>A.M.Selvaraj<br>N.Arumugam    |
| 18   | Essential immunology   | Ivan Roitt   |
| 19   | Bioanalytical techniques and instrumentation                         | Sabari Ghosal<br>A.K.Srivastava  |
| 20   | Immunology   | Tizard   |

## BIO ORGANIC CHEMISTRY

| S.NO | BOOK NAME                                   | AUTHOR NAME                        |
|------|---|------------------------------------|
| 1    | Herman Dugar Bioorganic chemistry           | Herman Dugar                       |
| 2    | Principles of Bioorganic chemistry          | Stephen J.lippard<br>Jeremy M.Berg |
| 3    | Bioorganic chemistry nucleic acids          | Sidney M.Hecht                     |
| 4    | Concerted organic and bioorganic mechanism  | Andrew Williams                    |
| 5    | Bioorganic chemistry carbohydrates          | Sidney M.Hecht                     |
| 6    | Structure and mechanisms in protein science | Alan Fersht                        |

## PROTEIN ENGINEERING

| S.NO | BOOK NAME   | AUTHOR NAME                          |
|------|---|--------------------------------------|
| 1    | Information technology inside and outside                 | David Cyganski<br>John.A.Orr         |
| 2    | Protein Microarrays                                       | Mark Schena                          |
| 3    | DNA-Protein interactions                                  | Andrew Travers<br>Malcolm Buckle     |
| 4    | Protein Expression  | S.J.Higgins<br>B.D.Hames             |
| 5    | Protein Purification applications                         |                                      |
| 6    | Proteomics  | S.R.Pennington<br>M.J.Dunn           |
| 7    | Protein Structure   | T.E.Creighton                        |
| 8    | Principles of Protein Structure                           | G.E.Shulz<br>R.H.Schirmer            |
| 9    | Protein Purification 3 <sup>rd</sup> edition              | Robert K Scopes                      |
| 10   | Protein Purification Protocols 2 <sup>nd</sup> edition    | Paul Cutler                          |
| 11   | Introduction to Protein structure 2 <sup>nd</sup> edition | Car Branden<br>John Yoooge           |
| 12   | Introduction to Protein Science                           | Arthur M Lesk                        |
| 13   | Protein-Ligand interaction hydrodynamics and calorimetry  | Stephen E harding<br>Babur Z chowdry |

## PHARMACEUTICAL BIOTECHNOLOGY

| S.NO | BOOK NAME   | AUTHOR NAME                               |
|------|---|---|
| 1    | Benthey's textbook of pharmaceutics               | E.A.Rawlins                               |
| 2    | Remington –The science and practice of pharmacy   | Alfonso R Gennaro(20 <sup>th</sup> vol 1) |
| 3    | Pharmaceutical biotechnology                      | S.S.Purohit<br>H.N.Kakrani<br>A.K.Sahiya  |
| 4    | Biopharmaceutics and pharmakinetics               | V.Venkateswarlu                           |
| 5    | Biopharmaceuticals-Biochemistry and biotechnology | Gary Walsh                                |
| 6    | Remington –The science and practice of pharmacy   | Alfonso R Gennaro(20 <sup>th</sup> vol 2) |
| 7    | Pharmaceutical biotechnology                      | Daan J.A.Crommelin<br>Robert.D.Sindelar   |

## BIOLOGICAL SCIENCE

| S.NO | BOOK NAME                                  | AUTHOR NAME                                |
|------|--|--|
| 1    | Bio energetics (A practical approach)      | G.C.Brown<br>C.E.Copper                    |
| 2    | Modern textbook of Zoology and vertebrates | R.L.Kobpal                                 |
| 3    | Human anatomy and physiology               | John.W.Hole                                |
| 4    | Icecream manufacture and technology        | Vivek Bhandari                             |
| 5    | Human adaptive strategies                  | Daniel G.Bates<br>Fred Plog                |
| 6    | Fundamentals of biostastics                | Khan Khanum                                |
| 7    | Nutrition and dietetics                    | Shubhangini.A.joshi                        |
| 8    | Biological science                         | D.J.Jaylor<br>N.P.O.Green<br>G.W.Stout     |
| 9    | Developmental biology                      | R.M.Twyman                                 |
| 10   | Anatomy &Physiology                        | Kenneth.S.salodin                          |
| 11   | The whole PC family encyclopedia           | Robert.C.Zock<br>Richard.T.Mansfield       |
| 12   | Biology                                    | Phillip Pack                               |
| 13   | Synopsis of Human anatomy and physiology   | Kent M. Van De Graaff<br>Stuart Inafox     |
| 14   | Human Biology                              | Mike Boyle<br>Bill Indge<br>Kathryn Senior |
| 15   | Functional physiology                      | Butterworth,Heinemann                      |
| 16   | Human anatomy and physiology               | David Shier,Jackie Butter<br>Rocki zewis   |
| 17   | Anatomy and physiology                     | Robert J.Amitrano<br>Gerard                |

## MOLECULAR BIOLOGY

| S.NO | BOOK NAME   | AUTHOR NAME                         |
|------|---|-------------------------------------|
| 1    | Molecular biology 2 <sup>nd</sup> edition                   | David Frifelder                     |
| 2    | Calculations for molecular biology & biotechnology          | Frank H Stephenson                  |
| 3    | Essential Molecular biology 2 <sup>nd</sup> edition         | T.A.Brown                           |
| 4    | Molecular biotechnology                                     | Bernard R Glick<br>Jack J Pasternak |
| 5    | Molecular biotechnology 2 <sup>nd</sup> edition             | S.B.Primrose                        |
| 6    | Oxford dictionary of biochemistry & molecular biology       |                                     |
| 7    | Advanced molecular biology                                  | R.M.Twyman                          |
| 8    | Essential of Molecular biology 4 <sup>th</sup> edition      | George M.Malacinstri                |
| 9    | Molecular biology   | T.A.Brown                           |
| 10   | Molecular biology and biotechnology 4 <sup>th</sup> edition | T.M.Walker<br>R.P.Rapley            |
| 11   | Molecular biology 2 <sup>nd</sup> edition                   | Robert F Wedver                     |
| 12   | Molecular biology problem solver.A laboratory guide         | Alan S.Gerstein                     |
| 13   | Computational Molecular biology 1 <sup>st</sup> edition     | Davel A Pevzner                     |

## ENVIRONMENTAL ENGINEERING

| S.NO | BOOK NAME   | AUTHOR NAME                              |
|------|---|--|
| 1    | Environmental Science 6 <sup>th</sup> edition                                 | Cunninghank Saigo                        |
| 2    | Environmental Science 7 <sup>th</sup> edition                                 | Cunninghank Saigo                        |
| 3    | Introduction to Environmental Science and engineering 2 <sup>nd</sup> edition | Gilbert M.Masters                        |
| 4    | Introduction to Environmental Science and engineering                         | Gilbert M.Masters                        |
| 5    | Environmental engineering an overview   | Dr.Balji S Kapoor                        |
| 6    | Principles of Environmental Science and engineering                           | F.Johnoral<br>Bhasker<br>Kvs.Ramana      |
| 7    | Environmental engineering   | A.Kamala<br>DI.Kanth Rao                 |
| 8    | Environmental Science and engineering   | Dr.R.T.Yamuna<br>Govindasami<br>K.Murali |
| 9    | Environmental law and policy in India 2 <sup>nd</sup> edition                 | Shyam Divan<br>Armin Rosencranz          |
| 10   | Environmental Science and engineering 2 <sup>nd</sup> edition                 | J.Glynin Henry<br>Gray W heinki          |
| 11   | Introduction to Environmental Science and engineering                         | Raman Sivakumar                          |



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| 12 | Environmental engineering   | Venugopal Rao   |
| 13 | Introduction to Environmental Science and engineering                       | Y.Anjaneyulu  |
| 14 | Air pollution   | MN Rao<br>HVN Rao                                     |
| 15 | Environmental Science 10 <sup>th</sup> edition                              | G.Tyter Millar JR                                     |
| 16 | Essentials of ecology 2 <sup>nd</sup> edition                               | Colin R. Towensend<br>Michael Begon<br>John L. harper |
| 17 | Principles of Environmental Studies   | C.Manocharachary<br>P.Jayama Reddy                    |
| 18 | Principles of Environmental Studies   | Raman Sivakumar                                       |
| 19 | Environmental Science and engineering                                       | A.Ravikrishnan  |
| 20 | Environmental Science and engineering                                       | Product & Sonaversity                                 |
| 21 | Environmental Science   | V.Subramaman  |
| 22 | Environmental analysis instrumentation                                      | Neelima Rajvaidya<br>Dilipkumar Markandey             |
| 23 | Environmental biotechnology and cleaner bioprocesses                        | Eugema J Olgein                                       |
| 24 | Environmental biotechnology   | Gareth M. Levans<br>Judith .C. Furlong                |
| 25 | Environmental biotechnology   | Broce.E.Rittman<br>Perry L.Mccarty                    |
| 26 | Environmental chemistry and pollution control                               | S.S.Dara  |
| 27 | Toxicology food   | Tomis Altug   |
| 28 | Principles of Environmental Science   | William.P.<br>Cunmingham<br>manyAnnCunmingham         |
| 29 | Groundwater Hydrology 2 <sup>nd</sup> edition                               | David Keith Todd                                      |
| 30 | The Economics of environmental quality                                      | Edwin S Mills   |
| 31 | Environmental chemistry   | Kudhesia<br>Jetley                                    |
| 32 | Chemistry for environmental engineering and science 5 <sup>th</sup> edition | Clair N Sawyer<br>Perry L Mccarty<br>Gene.F.Parkin    |
| 33 | Remote sensing and image interpretation 4 <sup>th</sup> edition             | Thomas M Lillisand<br>Ralph.W.Killer                  |
| 34 | Fundamentals of engineering geology   | R.S.Khumi   |
| 35 | Environmental ethics 3 <sup>rd</sup> edition                                | Louis P. Pojman                                       |
| 36 | Unit operation in environmental engineering                                 | R.Elangovan<br>M.K.Saseetharan                        |
| 37 | Fundamentals of ecology   | Eugene P.Odum Gray W Barrett                          |
| 38 | Environmental Science and engineering                                       | Deeksha Dava S.S. Katewa                              |
| 39 | Environmental Science   | Miller  |
| 40 | Textbook of environmental studies   | Deeksha Dava S.S. Katewa                              |

## BIOINFORMATICS

| S.NO | NAME OF THE BOOK  | AUTHOR   |
|------|---|--|
| 1    | Bionformatics for Geneticsists  | Michael.R.Barnes & Lan.C.Carty.                            |
| 2    | Introduction to Bioinformatics  | Arthur.M.Lesk.   |
| 3    | Bioinformatics Sequence & Genome Analysis                               | David.W.Mount.   |
| 4    | Bioinformatics  | M.M.Ramya  |
| 5    | Bioinformatics-Modern Approach  | Vital .R.Srinivas.   |
| 6    | Essentials of Genomics & Bioinformatics                                 | Christoph.W.Sensen.  |
| 7    | Algorithm in bioinformatics   | Garg Banson&Roderic Page.                                  |
| 8    | Introduction to bioinformatics  | V.Kothekar.  |
| 9    | Bioinformatics-Methods and Applications                                 | S.C.Rastogy&N.Menthiratta.                                 |
| 10   | Bioinformatics and Human Genome   | Dr.Archana Mistura   |
| 11   | Bioinformatics-The Machine Learning approach<br>3 <sup>rd</sup> edition | Pierre Baldi&SQREN BRUNAC.                                 |
| 12   | Bioinformatics Computing  | Bryan Bergeton,M.D.  |
| 13   | Nanotechnology  | Mark Ratner&Daniel Ratner.                                 |
| 14   | Bioinformatics Methods and Protocols                                    | Stephen Misener& Stephen<br>A.Krawetz                      |
| 15   | Computationalo Modeling of genetic and<br>Biochemical Networks          | Games.M.Bower & HAMIO<br>BOLOURI.                          |
| 16   | Introductory Bioinformatics   | Irfan Ali Khan&ATHYA Khanum.                               |
| 17   | Chemical Modelling from atoms to Liquids                                | Alan Hinch Liffe.  |
| 18   | Microarrays for an intergrative genomics                                | Issac.S.Kohane<br>Alwin.T.Kho&Athul.J.Butle.               |
| 19   | Basic Bioinformatics  | S.Ignaimuthu,S.T.  |
| 20   | A Beginners gudie "MICROARRAY"  | Helenc.Causton,Jhon.Quackenbush&<br>Alvis Brazma           |
| 21   | Emerging Trends in Bioinformatics                                       | Irfan.A.Khan<br>Attya Khanum                               |
| 22   | Biometrics  | John .D.Woodward,<br>Jr.Nicholas.M.Orlans,Peter.T.Higgins. |
| 23   | G.Protein Signalling  | Alan. V.Smreka.  |
| 24   | Fundamentals of Bioinformatics  | Irfan Alikhan<br>Atiya Khaniums.                           |
| 25   | Structural Bioinformatics   | Philip.E.Bourne&Helge Weissig.                             |
| 26   | Current Topic in computational Molecular Biology                        | Tao Jiang, Yingxuz Michael.G.Zhang                         |
| 27   | Developing Bioinformatics Computer Skills                               | Cynathia Gibal&Per Jambeck                                 |
| 28   | Purifying proteins for proteomics                                       | Richard.J.Simpson  |
| 29   | Nanotechnology  | Richard Booker,Earl Boyer.                                 |
| 30   | DNA Microarrays and gene expression                                     | Pierri Baldi & G.Wesley Hatfield                           |
| 31   | Bioconjugation  | Mohd.Azlan&Alastair Devil.                                 |
| 32   | Genomic Perl  | Rex.A.Dwyer.   |
| 33   | Introduction to Nanotechnology  | Charles.P.pooley Jr.Frank.J.Owens.                         |
| 34   | PERL  | MARTIN .C.BROWN.   |
| 35   | THE FIRM  | JOHN GRISHAM.  |
| 36   | Bioinformatics  | Ruchisingh.Richa Sharma.                                   |
| 37   | Molecular Modelling Principles and Application                          | Andrew.R.Lecch.  |

## GENETICS

| S.NO | NAME OF THE BOOK                                      | AUTHOR  |
|------|---|---|
| 1    | Concepts of Genetics                                  | William.S.Klug&Michael R.Cummings.  |
| 2    | Genomes   | T.A.Brown   |
| 3    | Elements of Genetics                                  | P.K.Gupta   |
| 4    | DNA Chromatography                                    | Douglas T.Gjende Chrustophen .P.Hanna,David Hornby.                                 |
| 5    | Molecular Biology and Genetic Engineering             | Dr.L.M.Narayanan,Dr.A.M.Selvaraj, Prof.A.Mani,Prof.N.Arumugam, Dr.Padmalatha singh. |
| 6    | Genes VII   | Benjamin Lewin  |
| 7    | Advanced Genetic Analysis                             | R.Scott Hawley,Michelle. Y.Walter.  |
| 8    | Basic Human Genetics                                  | Elaine Johansen Mange Arthur P.Mange  |
| 9    | Genetics  | P.C.Winter,G.I.Hickey,H.L.Fletchen  |
| 10   | Principles of Molecular Genetics                      | S.Sundara Rajan   |
| 11   | The genetics of Bacteria and Their Viruses            | William Hayer   |
| 12   | From Genes to clones                                  | Ernst L.Winnacker   |
| 13   | Genetics V edition<br>Analysis of Genes and Genomes   | Daniel L.Hartl,<br>Elizabeth W.Jones  |
| 14   | Gene Regulation                                       | C.B.Powar   |
| 15   | Fundamentals of Gene,Genomes and Genetic Engineering  | Irfan Alikhan<br>Atiya Khanum   |
| 16   | Recombinant DNA                                       | James D.Watson,Michael Gilman,Mark,Zoller.  |
| 17   | Principles of Cloning                                 | Jose Cibelli,Robert P.Lanza,KeithH.S.Campbell, Michael D. West                      |
| 18   | Techniques for Engineering Genes                      | Biotol  |
| 19   | Analysis of Genes and Genomes                         | Richard J.Reece   |
| 20   | Genes VIII  | Benjamiun lewin   |
| 21   | Testing of genetically modified Organisms in food     | Farid E.Ahmed   |
| 22   | Genetic Engineering Mutagenesis separation Techniques | Jack.G.Chirikjian   |
| 23   | Genome Management in Prokaryotes                      | Biotol  |
| 24   | Principles of Genetics                                | D.peter Snustad,Michael.J.Simmons   |
| 25   | Fundamentals Bacterial genetics                       | Nancy Trun ,Janine Trempey  |
| 26   | The Science of Genetics                               | Alan G.Atherly<br>Jack R.Cjirton,John F.MCDonald                                    |
| 27   | Genetics(Problem Solving Guide)<br>II Edition         | William R. Wellnitz   |
| 28   | Genetic Engineering                                   | Michael Baylan,Kevin E.Brown  |
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| 37 | Principles of Genome Analysis and Genomics | S.B. Primrose, R.M. Twyman                               |
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| 41 | Genetics                                   | Manju Yadav  |
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| 43 | Principles of Genetics                     | Robert H. Tamarin  |
| 44 | Genetics                                   | Monrose W. Strickberger                                  |
| 45 | Genomes IV edition                         | Susan Elrod, William Stansfield                          |
| 46 | Genomes II edition                         | T.A. Brown   |
| 47 | Principles of Genes                        | Bobold   |

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| 3    | Analytical Biotechnology   | Thomas G.M. Schalk-Hammer   |
| 4    | Fundamentals of Biotechnology  | P. Prave, U. Faust, W. Sittig, D.A. Sukatsch                                    |
| 5    | Biotechnology  | Jeffrey M. Becker, Guy A. Caldwell, Eve Annzackgo                               |
| 6    | Methods of Biotechnology   | Hans Peter Schmauder  |
| 7    | Biotechnology from A to Z  | William Basins  |
| 8    | Recombinant DNA and Biotechnology  | Helen Kreuzer, Adrienne Massey  |
| 9    | Concepts of Biotechnology  | D. Balasubramanian, C.F.A. Bryce, K. Dharmalingam, J. Green, Kuthala Jayaraman. |
| 10   | Basic Biotechnology  | Prave, Faust, Sittig, Sukatsch  |
| 11   | Experiments in Microbiology, Plant Pathology Tissue Culture and Mushroom Production Technology | K.R. Aneja  |
| 12   | Defence Mechanism  | Butterworth Heinemann   |
| 13   | Modern Concepts of Biotechnology   | H.D. Kumar  |
| 14   | Recent Trends In Biotechnology   | V.S. Hari Kumar   |
| 15   | Basic Biotechnology  | Rev Fr. Dr. S. Ignacimuthu  |
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|    |   | Harvey W.Blanch,<br>Stephen Drew<br>Campbell W.Robinson,<br>John A.Howell |
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| 21 | Principles of Enzymology for Technical Application  | Biotol  |
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| 23 | Biotechnology                                       | M.D.Trean,S.Baffey,K.H.Goulding,<br>P.Stanbury                            |
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| 25 | Applied Biology and Biotechnology                   | K.Vaidyanath,K.Pratap Reddy,K.Satya Prasad                                |
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| 40 | Practical Biotechnology                             | S.Janarthanan .S.Vincent  |

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| S.NO | NAME OF THE BOOK                                 | AUTHOR                                       |
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| 1    | Plant Biotechnology                              | K.G.Ramawat                                  |
| 2    | Introduction to Plant Biotechnology              | H.S.Chawla                                   |
| 3    | Crop Physiology                                  | Open Universiteite & University of Greenwich |
| 4    | Biotechnological innovations in Crop improvement | Open Universiteite & University of Greenwich |
| 5    | Plant Biochemistry                               | Hans Walter Heldt                            |
| 6    | Plant Biotechnology                              | S.Ignacimuthu                                |
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| 8    | Plant biotechnology Animal Cell Culture          | Jack G.Chirikjian                            |

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| 13 | Mathhew's Plant Virology                     | Roger Hull                                    |
| 14 | Plant Cell Culture                           | R.A.Dixon&R.A.Gonzales                        |
| 15 | Biochemistry and Molecular Biology of Plants | Buchanan,Gruissem,Jones                       |
| 16 | Plant Biochemistry and Molecular Biology     | Peter J.Zea,Richard C.ZeeGood                 |
| 17 | Plants, Genes and Crop Biotechnology         | Maarten J.Chrispeels&David E.Sadava           |
| 18 | Plant Biotechnology                          | R.Keshoovachandran,K.V.Peter                  |
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## MICROBIOLOGY

| S.NO | NAME OF THE BOOK                                 | AUTHOR   |
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| 2    | cellular Microbiology                            | Pascale Cossart<br>Patrice Bosquet               |
| 3    | Industrial Microbiology                          | Michael J Waites<br>Neil L.morgan                |
| 4    | Industrial Microbiology and Biotechnology        | Arnold L Demain<br>Julian E Davies               |
| 5    | Food Microbiology Laboratory                     | Zynne Mclandslso rough                           |
| 6    | Microbiological Applications                     | Benson   |
| 7    | Microbes and Society                             | I.Edward Alcamo                                  |
| 8    | Textbook of Microbiology                         | R.Ananthanarayan<br>C.K.J.paniker                |
| 9    | Microbiology                                     | I.Edward Alcamo                                  |
| 10   | Industrial Microbiology                          | A.H.Patel  |
| 11   | Microbiology                                     | Michael J Pelczar<br>E.C.S Chan<br>Noel R. Kreig |
| 12   | Fundamentals Microbiology                        | Alcano   |
| 13   | Food Microbiology                                | Thomas J Montville<br>Karl R Matthews            |
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| 18   | Molecular Diagnosis of infectious Diseases       | Udo Reischl                                      |
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| 20   | Principles and Applications of Soil Microbiology | David.M.Sylvia                                   |

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|    |   | Jeffrey J.Fuhrman<br>Peter G.Hartel<br>David A .Zuberer                 |
| 21 | Microbiology                                | J.Nicklin<br>K.Graeme Cook<br>R.Killington                              |
| 22 | Bacterial Pathogenesis                      | Abigal A.Salyers<br>Dixie D.Whitt                                       |
| 23 | Microbiology and Immunology                 | William W.Yotis<br>Herman Friedman                                      |
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| 29 | Microbial Physiology                        | Albert G.Moat<br>John.W.Foster<br>Michael P.Spector                     |
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| 32 | Microbial Ecology                           | Atlas<br>Bartha   |
| 33 | Environmental Microbiology                  | Alan H.Varnan<br>Malcdm G Evans   |
| 34 | Brock Biology Microorganisms                | Madigam<br>Martinko<br>Parker   |
| 35 | Soil Microbiology                           | N.S.Subba Rao   |
| 36 | Microbial Technology                        | Peppler<br>Periman  |
| 37 | Biotechnology                               | V.K.Joshi<br>Ashok Pandey   |
| 38 | Fermentation Microbiology and Biotechnology | E.M.T.El-Mansi<br>C.F.A.Bryce   |
| 39 | General Microbiology                        | Roger. Y.Stanies<br>John L.Ingraham<br>Mark.L.Wheelis<br>Page.R.Painter |
| 40 | Industrial Microbiology                     | Prescott,Dunn   |
| 41 | Introduction of Microbiology                | John L Ingraham<br>Catherine A Ingraham                                 |

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| 1           | Product Recovery in Bioprocess Technology              | Biotol                         |
| 2           | Bioprocess Engineering-2 <sup>nd</sup> edition         | Michael .L.Shuler,Fikret Kargi |
| 3           | Bioprocess Engineering Principles                      | Pauline .M.Doran               |
| 4           | Principles of unit operations -2 <sup>nd</sup> edition | Alan.S.Foust,Leonard.A.Wenzel  |
| 5           | Process Biotechnology Fundamentals                     | S.N.Mukhopadhyay               |
| 6           | Fermentation Biotechnology                             | Subhash Chand,S.C.Jain         |
| 7           | Bioprocess Engineering Principles                      | Pauline .M.Doran               |

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