

Kind Attn: New Training Module- "Industrial Food Technology Started @MRD LifeSciences.....!!"

INFORMATION BROCHURE

MRD LifeSciences™ (MRDLS) is an innovative Life Science Research based organization approved by **Ministry of Corporate Affairs, Government of India (Registered Under NCT) & An ISO 9001:2008, JAS-ANZ Certified Company**, having well equipped state of art laboratory with a multidisciplinary team of scientists and research associates that provide technology solutions and analytical support to the biotech and pharmaceutical industries. **MRD LifeSciences™** also organizes workshops and short term courses in Biotechnology, Molecular Biology and other fields of Life Sciences & is committed to provide excellent Hands-on training with State of Art Lecture to graduate/post graduate candidates either pursuing or passed out in the field of Biotechnology, Molecular Biology, Microbiology, Biochemistry, Bioinformatics & other fields of Life Sciences for a duration of One Week to Six Months.

NOTE: For **Project/ Dissertation works**, Please see **Module-12**.

Eligibility Criteria:

All those candidates either pursuing or passed out having back ground of B.Sc Biotechnology/Microbiology/Industrial Microbiology/Food Technology, B.Sc. Hons. Biotechnology, B.Tech Biotechnology/Food Technology, M.Sc./M-Tech/Ph.D. Biotechnology/Microbiology/Industrial Microbiology, Food Technology, Genetic Engineering, Molecular Biology, Biochemistry, Bioinformatics & other field of Life Sciences such as Pharmacy, Botany & Zoology are eligible to apply for any certification course.

Certification: The candidates will be awarded with specified certificate after successful completion of any course for program code CRT-01 to CRT-12, CRT-CBT, CRT-IFT & CRT-BI.

Registration Open For All Modules @ September - March 2019 Batches

Details	Sep 2018 Batch	Oct 2018 Batch	Nov 2018 Batch	Dec 2018 Batch
Last Date for Registration	Before 2 Days from starting date of particular batch. T&C apply*.			
Starting Date	Sep 04/11/18 & 25, 2018.	Oct 03/10 & 23, 2018.	Nov 13/20 & 27, 2018.	Dec 04/11/18 & 26, 2018.

Training Module

Module 1: "Hands-on Industrial Training with State of Art Lectures on Advanced Biotech Techniques *i.e.* Mixed Module*" (Program Code: CRT-01).

(THIS IS OUR MOST EFFECTIVE MODULE)

Mixed Module* (Includes the techniques from Microbiology/Molecular Biology/ Biochemical - Proteomics/Enzymology & RDT)

Duration	30 Days/One Month	15 Days
Seats	20	15
Fee Structure	Rs. 7,800/-	Rs. 4,800/-

Module 2: “Hands-on Industrial Training with State of Art Lectures on Basic & Advanced Industrial Microbiology” (Program Code: CRT-02).

Duration	30 Days/One Month	15 Days
Seats	15	10
Fee Structure	Rs. 6,800/-	Rs. 4,200/-

Module 3: “Hands-on Industrial Training with State of Art Lectures on Basic & Advanced Molecular Biology” (Program Code: CRT-03).

Duration	30 Days/One Month	15 Days
Seats	15	10
Fee Structure	Rs. 6,800/-	Rs. 4,200/-

Module 4: “Hands-on Industrial Training with State of Art Lectures on Basic & Advanced Biochemical Techniques & Proteomics” (Program Code: CRT-04).

Duration	30 Days/One Month	15 Days
Seats	15	10
Fee Structure	Rs. 6,800/-	Rs. 4,200/-

Module 5: “Hands-on Industrial Training with State of Art Lectures on Enzymology” (Program Code: CRT-05).

Duration	30 Days/One Month	15 Days
Seats	15	10
Fee Structure	Rs. 6,800/-	Rs. 4,200/-

Module 6: “Hands-on Industrial Training with State of Art Lectures on Recombinant DNA Technology (RDT)” (Program Code: CRT-06).

Duration	30 Days/One Month
Seats	15
Fee Structure	Rs. 7,000/-

Module 7: “Hands-on Industrial Training with State of Art Lectures on Basic Biotech Techniques *i.e.* Mixed module” (Program Code: CRT-07).

Duration	30 Days/One Month
Seats	15
Fee Structure	Rs. 5,200/-

Module 8: “Hands-on Industrial Training with State of Art Lectures on HPLC, PCR & Gel Doc System” (Program Code: CRT-08).

Duration	15 Days
Seats	10
Fee Structure	Rs. 5,500/-

Module 9: “Hands-on Industrial Training with State of Art Lectures on Specialized Biotech Techniques” (Program Code: CRT-09).

(THIS IS OUR SECOND MOST EFFECTIVE AS WELL AS JOB ORIENTED* MODULE)

Duration	45 Days	60 Days*
Seats	15	10
Fee Structure	Rs. 10,000/-	Rs. 12,000/-

Module 10: “Hands-on Industrial Training with State of Art Lectures on Bioprocess Engineering/ Bioprocess Technology/ Fermentation Technology” (Program Code: CRT-10).

(MOST EFFECTIVE MODULE as per INDUSTRIAL DEMAND)

Duration	30 Days/One Month	15 Days
Seats	15	15
Fee Structure	Rs. 8,500/-	Rs. 5,200/-

Module 11: “Hands-on Industrial Training with State of Art Lectures on Genomics & Proteomics” (Program Code: CRT-11).

Duration	30 Days/One Month
Seats	15
Fee Structure	Rs. 7,500/-

NOTE: For getting complete technique details of Program code CRT-01 to CRT-11, CRT-CBT & CRT-IFT; Please Download Module Details.

Module 12: “Hands-on Industrial Project/Dissertation work with State of Art Lectures” (Program Code: CRT-12).

(Professional Module)

Option	Duration	Seats	Fee Structure
CRT-12/1	1 Month	10	Rs. 6,500/-
CRT-12/2	2 Months	10	Rs. 11,000/-
CRT-12/3	3 Months	10	Rs. 16,000/-
CRT-12/4	4 Months	10	Rs. 20,000/-
CRT-12/5	4 Months	10	Rs. 25,000/-
CRT-12/6	6 Months	10	Rs. 30,000/-

(NOTE: 25% fee will be charged extra for molecular biology project work)

(Economical Module)

Option	Duration	Seats	Fee Structure
CRT-12/E-1	1 Month	10	Rs. 5,000/-
CRT-12/E-2	2 Months	10	Rs. 8,000/-
CRT-12/E-3	3 Months	10	Rs. 12,000/-
CRT-12/E-4	4 Months	10	Rs. 15,000/-
CRT-12/E-5	5 Months	10	Rs. 18,000/-
CRT-12/E-6	6 Months	10	Rs. 20,000/-

(NOTE: 25% fee will be charged extra for molecular biology project work)

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NOTE: Candidates (CRT-12) will work on an assigned *Live Project* for Option-2 to 6. Projects will be related to following areas-

➤ Genetic Diversity	➤ Molecular Biology
➤ Industrial Microbiology	➤ Enzymology
➤ Plant metabolites	➤ Antibiotics
➤ Waste Management	➤ Bioremediation
➤ Biochemistry	➤ Food Technology
➤ Forensic Science	➤ Genetic Engineering
➤ Pharmacology	➤ Infection Biology & ➤ Other high demand areas

&

Biotechnology + Bioinformatics (Wet + Dry Lab)
Live Project/ Dissertation Work
(3 to 6 Months)

Option	Duration	Seats	Fee Structure
CRT-W+D/1	3 Months	10	Rs. 18,000/-
CRT-W+D/2	4 Months	10	Rs. 22,000/-
CRT-W+D/3	6 Months	10	Rs. 30,000/-

MRD LifeSciences™ provides a platform to all outstanding candidates who are doing Project/Dissertation work in our lab & help them to publish their papers in National & International Scientific Journals based on their findings of Projects.

Module CBT: “Hands-on Industrial Training with State of Art Lectures on Customized Biotech Techniques” (Program Code: CRT-CBT).

Duration	One Week/ 7 Days
Seats	15
Fee Structure	Rs. 1500/-, 1800/- & 4200/-

Module IFT: “Hands-on Industrial Training with State of Art Lectures on Basic & Advanced Industrial Food Technology” (Program Code: CRT-IFT). **New...!! New...!! New...!!**

Duration	30 Days/One Month	15 Days
Seats	20	15
Fee Structure	Rs. 7,500/-	Rs. 4,500/-

Module BI: “Hands-on Industrial Training with State of Art Lectures in Bioinformatics” (Program Code: CRT-BI).

(Module-BI/ Program Code- CRT-BI)

**Gets Enroll for BioInfo Training/Project/Dissertation Work
@
MRD LifeSciences™, Lucknow.**

► After grand success of Wet Lab & on huge demand for Dry Lab, **MRD LifeSciences™ (MRDLS)** started Bio-info education to post graduates & under graduate students and prepare them to meet the future challenges of Bioinformatics.

Please download bioinfo training module via following link-
<http://www.mrdlifesciences.com/bioinformatics.php>

Recent Publications:

- (1) “Biodegradation of Azo Dye by Moderately Halotolerant *Bacillus megaterium* and Study of Enzyme Azoreductase Involved in Degradation” published in **Journal of Advanced Biotechnology**, Volume 10, Issue 07, January 2011.
- (2) “A study on partial purification and characterization of extracellular amylases from *Bacillus subtilis*” published in **Advances in Applied Science Research**, 2011, 2 (3): 509-519.
- (3) “Isolation and characterization of micro-organism from oil contaminated sites” published in **Advances in Applied Science Research**, 2011, 2 (3): 455-460.
- (4) “A Study on Antibacterial Properties of *Rosa indica* against Various Pathogens” published in **Asian Journal of Plant Science and Research**, 2011, 1 (1): 22-30.
- (5) “Deciphering Cow Dung for Cellulase Producing Bacteria” published in **European Journal of Experimental Biology**, 2011, 1 (1):139-147.
- (6) “A Study on Partial Purification and Characterization of Extracellular Alkaline Amylases from *Bacillus megaterium* by Solid State Fermentation” published in **International Journal of Applied Biology and Pharmaceutical Technology**, Volume: 2: Issue-3: July-Sept -2011 (37-46).
- (7) “A Study on Oil Degradation Potential of *Bacillus megaterium* Isolated from Oil Contaminated Sites in Lucknow” published in **Archives of Applied Science Research**, 2011, 3 (4):513-517.
- (8) “Antibacterial Properties of *Punica Granatum* Peels” published in **International Journal of Applied Biology and Pharmaceutical Technology**, Volume: 2: Issue-3: July-Sept -2011 (23-27).

- (9) “A Study on Oil Degradation Potential of a *Coccus spp.* Isolated from Oil Contaminated Sites in Lucknow, India” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 9 (16).
- (10) “A Study on Isolation, Purification and Antibiogram Analysis of Antimicrobials Extracted from *Bacillus megaterium*” published in **Journal of Advanced Biotechnology**, Volume 11, Issue 02, August 2011.
- (11) “Antifungal properties of *Anthocephalus cadamba* fruits” published in **Asian Journal of Plant Science and Research**, 2011, 1 (2):81-87.
- (12) “Effect of metal ions and drugs on antibacterial activities of *Nigella sativa* (L.) seeds” published in **European Journal of Experimental Biology**, 2011, 1 (2):41-46.
- (13) “A study of extract optimization and effect of metal ions on antibacterial properties of *Argemone mexicana*” published in **Asian Journal of Plant Science and Research**, 2011, 1 (2):43-48.
- (14) “Antibacterial properties of *Anthocephalus cadamba* fruits” published in **Asian Journal of Plant Science and Research**, 2011, 1 (2):1-7.
- (15) “Antibacterial activity of *Syzygium aromaticum* (clove) with metal ion effect against food borne pathogens” published in **Asian Journal of Plant Science and Research**, 2011, 1 (2):69-80.
- (16) “In Vitro Evaluation of Antibacterial Properties of *Psidium guajava*” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 10 (10).
- (17) “Evaluation of Antibacterial Properties of Extracts of *Piper betel* Leaf” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 11 (01).
- (18) “Assessment of Antifungal Properties of *Ricinus communis*” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 11 (02).
- (19) “Isolation and Characterization of Multi-Drug Resistant Cultures from Aquatic Areas” published in **Journal of Advanced Biotechnology**, Volume 11, Issue 04, October 2011.
- (20) “A Study of Extract Optimization and Antibacterial Properties of *Lawsonia inermis*” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 11 (07).
- (21) “In Vitro Evaluation of Antibacterial Properties of *Ricinus communis*” published in **International Journal of Pharmaceutical Research and Development**, 2011; Vol 3(8): November 2011 (77 - 81).
- (22) “In Vitro Evaluation of Oil Degradation Potential of *Bacillus subtilis*” published in **International Journal of Plant, Animal and Environmental Sciences**, Volume-1, Issue-3 Sept-Nov-2011 (8-12).
- (23) “Production of Alpha Amylases by *Aspergillus niger* using Cheaper Substrates Employing Solid State Fermentation” published in **International Journal of Plant, Animal and Environmental Sciences**, Volume-1, Issue-3 Sept-Nov-2011 (100-108).

- (24) “Production of Cellulase using Cheap Substrates by Solid State Fermentation” published in **International Journal of Plant, Animal and Environmental Sciences**, Volume-1, Issue-3 Sept-Nov-2011 (179-187).
- (25) “Isolation and Characterization of *Actinomycetes* from Soil and Evaluation of Antibacterial Activities of *Actinomycetes* against Pathogens” published in **International Journal of Applied Biology and Pharmaceutical Technology**, Volume: 2: Issue-4: Oct-Dec-2011 (384-392).
- (26) “Extraction and Purification of Antibacterial Metabolites from *Actinomycetes* Spp. Isolated from Soil Sample” published in **International Journal of Pharmaceutical Research and Development**, 2011; Vol 3(10): December 2011 (63 - 71).
- (27) “Evaluation of Oil Degradation Potential of *Micrococcus varians*” published in **International Journal of Applied Biology and Pharmaceutical Technology**, Volume: 2: Issue-4: Oct-Dec-2011 (75-80).
- (28) “Application of Oil Degrading Bacterial Isolates for Remediation of Oil Contaminated Soil” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 12 (01).
- (29) “Antibacterial Properties of *Rosa indica* (L.) Stem, Leaves and Flowers” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 12 (15).
- (30) “Study of Culture Conditions and Antimicrobial Drug Production Properties of *Acinetobacter baumannii*” published in **Journal of Pharmaceutical and Biomedical Sciences**, 2011, 12 (16).
- (31) “Effect of UV Radiations on Enzyme Kinetics of Extracellular Amylases Isolated from *Bacillus subtilis*” published in **Journal of Advanced Biotechnology**, Volume 11, Issue 06, December 2011.
- (32) “Insilico Identification of Novel Compound Against Urinary Tract Infection” published in **International Research Journal of Biological Sciences**, Vol. 5(3), 51-55, March (2016).

(Note: A lot more & PDF of above research papers are available online/our website)

FACILITIES
<ul style="list-style-type: none"> ▶ A Strong Research Paper/Abstract Publication facility (National & International Scientific Journals). ▶ Fully air conditioned with Wi-Fi zone. ▶ Well equipped lab with separate conference hall (having digital projector). ▶ Individual handling on each technique during lab. ▶ Library facility & e-Book facility. ▶ 100% accommodation assistance to all the trainees. ▶ Career counselling services to all the trainees. ▶ Quiz competition with special prizes in each batch for program code CRT-01 to CRT-11 & CRT-IFT.
NOTE: EACH CANDIDATE WILL GET LABORATORY MANUAL BOOKLET.

PLACEMENT ASSISTANCE OPPORTUNITY: (1) For passed out candidates **MRD LifeSciences™** will provide venue details to face an interview for job in Biotech/Pharma/CSIR Lab.

(2) **MRD LifeSciences™** will help to candidates HOW TO FACE AN INTERVIEW & provide study materials for an interview.

(3) **MRD LifeSciences™** will help to candidates for attractive Resume Development.

“YOUR DESTINATION SEARCH WILL END WHEN YOU WILL VISIT MRD LifeSciences™”

“GET KNOWLEDGE, GET EXPERT, GET SUCCESS & GET YOUR ACHIEVEMENT Go Ahead with MRD LifeSciences™”

SELECTION CRITERIA

- ▶ Selection of candidates will be based on **FIRST COME FIRST SERVE BASIS** for training program code CRT-01 to CRT-12, CRT-CBT, CRT-IFT & CRT-BI.
- ▶ **T&C apply for Registration Process i.e. depends on Seat Availability*.**
- ▶ Candidate who will not be able to reserve his/her seat in current batch will be considered for next six batch if he/she is registered.
- ▶ Intake capacity for each batch is limited.
- ▶ **Different tentative dates are available to start training.**

NOTE: For Project/Dissertation work, please select your choice of option from Module-12 (Program Code: CRT-12).

HOW TO APPLY

FOR PROGRAM CODE CRT-01 to CRT-12, CRT-CBT & CRT-BI

- ▶ Registration fee for program code **CRT-01 to CRT-11, CRT-CBT, CRT-IFT & CRT-BI** is **Rs. 550/-**
- ▶ Candidates have to make **DD of Rs. 550/-** in the favour of “**MRD LifeSciences Pvt. Ltd.**” payable at **Lucknow**.
- ▶ Candidates have to download application form through our website i.e. www.mrdlifesciences.com and fill it completely as per instruction given in the form.
- ▶ Send the application form & updated resume along with DD to our Company address through **COURIER** only.

OR

- ▶ Deposit **Rs. 550/- Cash** to the office with application form & updated resume.

FOR PROGRAM CODE CRT-12 (i.e. for Project/Dissertation Work)

- ▶ Registration + Confirmation fee for program code **CRT-12** is **Rs. 1550/-**
- ▶ Candidates have to make **DD of Rs. 1550/-** in the favour of “**MRD LifeSciences Pvt. Ltd.**” payable at **Lucknow**.
- ▶ Candidates have to download application form through our website i.e. www.mrdlifesciences.com and fill it completely as per instruction given in the form.
- ▶ Send the application form & updated resume along with DD to our Company address through **COURIER / SPEED POST** only. **OR**
- ▶ Deposit **Rs. 1550/- Cash** to the office with application form & updated resume.
- ▶ **Note: Confirmation fee (Rs. 1000/-) will be adjustable in their total fee.**

- **Accommodation facility (Lodging & Fooding) is available for male & female candidates separately nearby company (within 3 km).
(MRD Boys Hostel & Girls PG facility Available)**

OUTSOURCING SERVICES

NOTE ► For customized analytical services (Sample Analysis by HPLC/ PCR/ Spectrophotometric analysis) & customized sample preparation on demand (DNA/RNA/Protein/Enzyme isolation/quantification/assay from different sources), please contact to company address or send your query to- info@mrdlifesciences.com

► MRD LifeSciences™ has creating a network of sample collection centre for customized analytical/sample analysis services in India. All out-station clients are requested to contact directly to our corporate office situated at Lucknow (U.P.), Contact No. 0522-4012130/ 09838511116/ 09151432629 OR alternate numbers as per nearest centre.

Contact Info for Other Centre-

MRD LifeSciences™, Bangalore (09916696543),

MRD LifeSciences™, New Delhi (08587904501),

For Biotech Summer training/Winter training, all out-station candidates are also welcome to call on mentioned tentative numbers.

► Our major clients for outsourcing services are Gauhati University, Amity University, Allahabad University, SRM University, SGPGI, KGMC, SHIATS (AAIDU), GLA University, Vikram University, AMU & BHU.

Company Address/Contact Us:

MRD LifeSciences (P) Ltd.,

B-3/46 & 47, 2nd Floor,

Vibhuti Khand,

Near – State Bank of India,

Gomti Nagar, Lucknow – 226010 (U.P.)

CALL US	MAIL US
Reception - +91-522-4012130 Training Dept.- +91-522-4012131 HR Dept.- +91-522-4012132 R&D. - +91-522-4012133 Fax - +91-522-4304333 Cell Nos. – +91-9838511116, 9648911116, 9936843684	query@mrdlifesciences.com info@mrdlifesciences.com training@mrdlifesciences.com hrd@mrdlifesciences.com mkt@mrdlifesciences.com career@mrdlifesciences.com sales@mrdlifesciences.com support@mrdlifesciences.com
Working Days (Tuesday to Sunday)	Working Hours (9.00 AM to 6.00 PM)
Website: www.mrdlifesciences.com	

Thanks