

# Dr. Digvijay Singh

Director, Laboratory Operations



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India - 208001

🚩 Indian 🤵 Married

🚗 2401606211

🛳️ Passport # AB374067

✈️ Having a Canada Visit Visa valid  
till 21-Oct-2026 and USA Visit  
Visa valid till 29-Apr-2034

🌐 (Visited Canada, USA, UK,  
China, France, Italy, and  
Germany)

## 🎓 EDUCATION

### **MBA, University of Petroleum and Energy Studies (UPES)** ✍️

01/2020 – 12/2021

Dehradun, India

### **PhD - Chemistry, Mewar University** ✍️

01/2011 – 12/2018

Chittorgarh, India

http://hdl.handle.net/10603/241335  
WES ECA Ref#: 5072975IMM

### **M.Sc. - Chemistry, CSJM University** ✍️

07/2007 – 05/2009 | Kanpur, India

### **B.Sc. - Chemistry, CSJM University** ✍️

07/2004 – 06/2007 | Kanpur, India



## WORK EXPERIENCE

### **Authentix Inc** ✍️

#### **Director, Laboratory Operations**

02/2024 – present | Dammam, Saudi Arabia

- Provide leadership and direction to a team of chemists and technicians.
- Develop and maintain relationships with key stakeholders, including clients, vendors, and regulatory agencies.
- Develop and implement new laboratory protocols and procedures.
- Manage the laboratory budget and ensure financial accountability.
- Recruit, hire, and train laboratory personnel.
- Ensure that all laboratory activities are conducted safely, efficiently, and in compliance with all relevant regulations.
- Oversee the quality control and quality assurance of laboratory results.
- Oversee all laboratory operations, including research, development, and testing.
- Identify and implement opportunities for improvement in the laboratory's operations.
- Manage lab instrument setup, commissioning, and de-commissioning during the project.
- Oversee all site operations, marking data, and maintenance activity to ensure effective marking and QC levels.

#### **Lab Manager**

09/2017 – 01/2024 | Dammam, Saudi Arabia

I am working on the Saudi Arabian National Fuel Marker Project. The project is run by Saudi Aramco, the Ministry of Energy, and Saudi Customs.

- Managing fuel marker blending activity and QC testing.
- Analyzing data on marker injection at refineries and bulk plants and diesel fuel movement through multi-product pipelines, detection of markers at fuel stations, and country borders to find out any adulteration and smuggling of subsidized fuel.
- Managing the operation, maintenance, and method validation of GCMS instruments, at different labs kingdom-wide.
- De commission and commission labs, and the installation of different instruments and LIMS systems.
- Training for Lab Chemists and Operators about site-specific operations, calculation, and HSE.
- CQI / IRCA certified **ISO/IEC-17025 Lead Auditor**, managing documentation for site and laboratory.
- Result approval and daily reporting for all site total marking quantities, sample results, and skid status.
- Managing LIMS and results dashboards on Power BI and Tableau for the Ministry of Energy and Saudi Customs.

#### **Operation Supervisor**

08/2015 – 08/2017 | Dammam, Saudi Arabia

- Installation and commissioning of fuel marking skids in Saudi Aramco refineries and bulk plants.
- Injection of the marker into the plant and terminal with the Honeywell Fusion-4, MSC, and SSC injector systems.
- Operation and maintenance of injection skids, and calibration of the additive recipe of the Honeywell Fusion- 4, MSC, and SSC injector systems.
- Maintain all records of terminal tank quantity, daily marking, and volume verification.
- Complete analysis of diesel and GCMS detection of fuel additives.

### **Tracerco Ltd, Senior Technical Consultant** ✍️

02/2014 – 02/2015 | Yanbu, Saudi Arabia

- working in Saudi Aramco pilot fuel marker project. Injection of the marker in bulk plant and terminal with Honeywell Fusion-4, MSC, and SSC injector system, Maintain all records of terminal tanks quantity. Complete analysis of Diesel and GCMS detection of fuel additives.

### **SGS, Lab Chemist** ✍️

12/2012 – 01/2014 | Jubail, Saudi Arabia

- Doing all physical properties testing and managing the night shift alone independently.
- One of the busy labs, handling lots of samples at a time.
- Analysis of Samples such as Crude Oil, Jet Oil A1, Gas Oil, Fuel Oil, Gasoline, Benzene, MTBE, Naphtha, Methanol, THF, BDO, VAM, MEG, DEG, TEG, MEA, DEA, TEA, Hexane, Acetone, Acetic Anhydride, Acetic Acid, Transformer Oils, Lubricating Oils, Base Oils, Custom Samples, Urea, Sulphur, and Pet Coke.

## SKILLS

GCMS	● ● ● ● ●
Analysis	● ● ● ● ●
LIMS	● ● ● ● ●
R & D	● ● ● ● ●
O & M	● ● ● ● ●
QA QC	● ● ● ● ●

## CERTIFICATES


**Work Permit Receiver**  
Saudi Aramco


**CQI / IRCA certified ISO/IEC 17025**  
Lead Auditor

## LANGUAGES

English IELTS - 6.5	● ● ● ● ●
Hindi	● ● ● ● ●
Arabic	● ● ● ● ●

## ORGANIZATIONS

**American Chemical Society,**  
**Member**   
01/2019 – present  
Khobar, Saudi Arabia

**Indian Science Congress**  
**Association, Life Member**   
07/2009 – present | India

## REFERENCES

**Dr. Chandan Prasad,**  
HOD, Department of Chemistry,  
DAV College, Kanpur  
chandan\_dav12@yahoo.in,  
+919415439013

**Pramod K Mall,** Vice President,  
Reliance Industries Limited (Ex Lab  
Manager HMEL)

**Syed Bukhari,**  
Ex Scientist, R&D Center,  
Saudi Aramco  
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**Khaled Al Sayes,** General Manager,  
Authentix Saudi Arabia Ltd  
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- Analysis of Samples from Different Industries such as SABIC, SaudiKyan, IBNSina, IBNSadaf, IBNZahr, Petrokemia, United, Sipchem, Saudi Aramco, Petro Rabigh, Shell, KNPC, KOC, Qafco, Qatar Shell GTL, Satorp, Farabi Petrochemicals, Sasref, Samref, and Saudi Customs, etc.
- Take part in Round Robin Study conducted by Institute of Interlaboratory Studies (is), Netherlands.
- Blending different types of additives for making the fuel within specification as per Clint's instruction.

### HPCL Mittal Energy Ltd (Guru Gobind Singh Refinery), Lab Chemist

01/2012 – 12/2012 | Bhatinda, India

- Analysis of Process Samples from different units like as **CDU-VDU** :- Desalter inlet/Outlet, Swing Naphtha, Stab Naphtha, Kero product (Light & heavy) LGO, HGO, VGO, VR, etc. **NHT**:- NHT Combined feed, Sour Naphtha, LCN, Heavy Hydrotreated Naphtha, Light Naphtha, Hexane cut, Splitter Inlet feed. **ISOM**:- Light Isomerase, Heavy Isomerase, and Isomerase Product, **CCR**:- CCR Feed and Reformate. **FCCU**:- FCCU feed, LCN, MCN, HCN, LCO, Slurry, etc. **VGO-HDT**:- VGO feed, Naphtha Product, Diesel Product, VGO Product., **DHDT**:- Total feed, Diesel Product, Stabilized Naphtha Product, Kero Product. **HRU**:- Feed to Fractionators, Food Grade Hexane Product, Stripped Naphtha, Inlet food-grade hexane, etc. **DCU**:- Hot Light Cut Gas Oil (LCGO), Hot Heavy Cut Gas Oil (HCGO), VR Feed, Cold Naphtha and Wild Naphtha, SRU, PPU, HRU, LPG, etc.
- Analysis of Finish Product Samples such as High-Speed Diesel (BS III & BS-IV), Petrol (BS III & BS-IV), Naphtha, SKO, MTO, Hexane, Sulphur, and Pet Coke, etc.
- Analysis of Aviation Turbine Fuel (ATF).
- Analysis of Poly Propylene.

### DAV College, Research Scholar

01/2011 – 12/2011 | Kanpur, India

- Working in UGC sponsored Major Research Project under Dr. Chandan Prasad on the topic of Isolation and characterization of bioactive compounds for mainly Antioxidant and Antimicrobial Compounds.
- Sample preparation, site survey, library visit, Laboratory visit, survey, interviews, technical writing, and research publication.

### Saudi Oger Ltd (Aramco Project), Lab Technician

06/2009 – 11/2010 | Dhahran, Saudi Arabia

- Analysis of Crude Oil from Well Pad, Different Sampling Point from crude Oil processing area (Sludge Catcher, Production Separator, Settling Tank, Dehydrator, etc.) Export Oil Tanks.
- Analysis of Injection Water, Boiler Water, and DM Water, Deposit Analysis.
- Monitoring and analyzing samples from Buster stations, Lifting stations, Waste Water Treatment Plant, and Desalination Plants.

## PUBLICATIONS

**Cymbopogon jwarancusa - An important medicinal plant: A review,**  
**Journal of Pharmacognosy and Phytochemistry**   
08/2014

**Antioxidant Activity and Trace Elements Profile of Extracts of Cymbopogon jwarancusa (Jones.) Leaves,** **Journal of Pharmacognosy and Photochemistry**   
09/2013

**Study of Antimicrobial Activity and Carbon Composition by GC/FID of extract from Cymbopogon jwarancusa (Jones.),**  
**International Journal of Natural Products Research**  
08/2013

**Study of Antimicrobial Activities and Optimization of Plant Extract Preparation of Mangifera indica; The King of Fruits,**  
**Universities' Journal of Phytochemistry and Ayurvedic Heights**  
06/2013

## DECLARATION

I hereby declare that the above information and particulars are true and correct to the best of my knowledge and belief.

Digvijay Singh