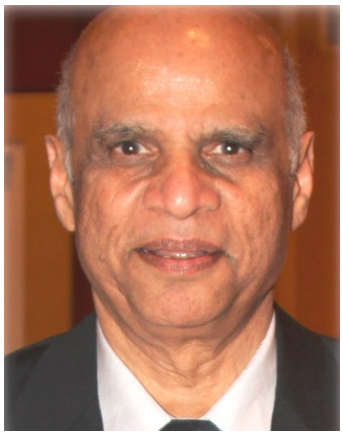
Curriculum Vitae of Gordhan N. Patel, PH.D., D.Sc. (Honoris Causa)



A. PERSONAL

President, JP Laboratories, Inc.
120 Wood Avenue
Middlesex, NJ 08846
Phone: 732-469-6670; Mobile: 732 648n7873
E-mail: gnpatel@jplabs.com ; www.jplabs.com

- **Honorary Doctorate of Science** (D.Sc.), NIST University, (https://youtu.be/vTHm83aIeMw)
- **Visiting Faculty** NIST University, Berhampur, Odisha, India.
- **Member of Board of Governors,** Ganpat University, Kherva, Gujarat, India.

B. EDUCATIONAL BACKGROUND

Ph.D. (1970): Thesis: "Crystallization of Polymers"
M.S. (1966): Polymer and Physical Chemistry
B.S. (1964): Chemistry and Physics
All degrees were received from Sardar Patel University, Vallabh Vidyanagar, Gujarat, India

C. POST DOCTORAL APPOINTMENTS

November, 1973 - October 1974 Baylor University, Waco, Texas
September, 1970 -October 1973 Univ. of Bristol, Bristol, England
Visiting scientist: University of Paris, Oct - Dec. 1980.

D. EMPLOYMENT

January 1983 – Current: JP Laboratories, Inc., President
November 1974 - December 1982, Research Associate, Honeywell, Morristown, New Jersey

E. PUBLICATIONS: ~70 Research publications, ~150 Issued and pending patents & 120+ invited lectures

F. Major pioneering novel products/technologies invented (many patents on each technology)

- Extending shelf life of foods to minimize food waste (https://youtu.be/zjFziPXxm8w)
- Time-temperature indicators for monitoring shelf life of foods and pharmaceuticals (https://youtu.be/Pu1mS9CaV50)
    - Shelf-expiring visitors' badges
- Radiation monitoring devices
    - Emergency radiation dosimeters (https://youtu.be/uTaKmhyluHo)
    - Blood radiation indicators
    - Radiation therapy films
    - High dose dosimeters
    - Do-it-yourself devices for monitoring radon
- Shelf-reading and color changing sterilization indicators
    - Steam, ethylene oxide, hydrogen peroxide
- Ultrasonic cleaning indicators
- Freeze and thaw indicators
- Making non-palatable astringent foods palatable

- Rust proofing by glass-lining
- Products based on destruction of nano-structures
- Phenol free substitute for bisphenol-A for direct thermal paper
- Highly nutritious non-dairy milk

F. Awards and recognitions:

- Honorary Doctorate of Science (D.Sc.), NIST University, (https://youtu.be/vTHm83aIeMw)
- R&D-100 award
- Frost and Sullivan for excellence in Technology,
- Edison Patent Award, (https://youtu.be/fgCEv3EyHtw),
- Invited by a US Congressional Committee in 2003 to testify on radiation dosimeter he developed for combating terrorism (https://youtu.be/PZbgBafvp_0),
- Radiation dosimeter displayed on the Capitol Hill, Washington DC,
- 100+ articles written on him or his work/products and featured on ABC/BBC/Fox news (https://www.youtube.com/watch?v=0RCcHFHleDA)
- Felicitation by BAPS, Culture Festival of India, Edison, NJ 1991
- Felicitation by Achala Education Foundation Trust, Ahmedabad, Gujarat, India, Jan 21, 2018
- Chief Guest, Felicitation of Gold Medalists, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India, January 23, 2018
- Chief Guest "Indian Flag Hoisting", Science Community Center, Vadodara, Gujarat India, January 26, 2018
- Keynote Speaker, Resurgent Odisha, Bhubaneswar, Odisha, India, August 31, 2024.
- Honorary doctorate (D.Sc., Honoris Causa) degree bestowed on Dr. Patel by NIST University, Berhampur, Odisha, India December 19, 2025, (https://www.youtube.com/live/kPd-jR5UpfA)

G. Research Grants:

Multi-million dollars SBIR (Small Business Innovation Research) grants (15 grants) from US Government before 1997.

H. RESEARCH INTERESTS:

- Food preservation
- Rust proofing steel by glass lining
- Human and machine-readable chemical indicators for monitoring
    - Time,
    - Temperature
    - Time-temperature
    - Freeze
    - Thaw
    - Humidity
    - Radiation
    - Toxic chemicals
    - Sterilization with steam, ethylene oxide, hydrogen peroxide and radiation
- Radiation monitoring devices for healthcare industry: radiochromic film, blood radiation indicator, emergency dosimeters and three-dimensional dosimeter
- Diacetylenes and solid-state polymerization
- Electroplating of plastics and woods
- Synthetic blood and lipids.

I. PATENTS ISSUED TO G.N. PATEL

The following patents are assigned to Allied/Signal (Honeywell):

1. EP 0,006,028
2. EP 0,036,899
3. EP 0,042,069
4. EP 0,050,746
5. CA 1,062,135
6. CA 1,121,255
7. CA 1,152,090
8. CA 1,166,446
9. CH 630,109
10. DE 2,706,741
11. DE 2,964,007
12. DE 3,168,742
13. DE 3,170,861
14. FR 2,341,848
15. GB 1,521,653
16. IT 1,117,105
17. JP 52,102,789
18. JP 555,000
19. JP 57,100,095
20. JP 5,728,022
21. SE 441,706
22. SE 7,701,536
23. US 3,999,946
24. US 4,164,458
25. US 4,189,399
26. US 4,195,055
27. US 4,195,056
28. US 4,195,057
29. US 4,195,058
30. US 4,208,186
31. US 4,215,208
32. US 4,228,126
33. US 4,235,108
34. US 4,238,352
35. US 4,242,440
36. US 4,276,190
37. US 4,328,259
38. US 4,339,240
39. US 4,339,951
40. US 4,373,032
41. US 4,384,980
42. US 4,389,217
43. US 4,422,907
44. US 4,439,346
45. US 4,452,995
46. US 4,505,786
47. US 4,550,150
48. US 4,646,674
49. US 4,699,997

The following patents are assigned to JP Laboratories:

1. CA 2,495,304
2. CA 2,517,873
3. CA 2,726,993
4. EP 1,529,089
5. IL 170,255
6. IL 218,536
7. JP 4,852,410
8. JP 5,015,343
9. JP 6,076,738
10. RU 2,345,384
11. ZA 202,306,227
12. US 4,788,432
13. US 4,941,940
14. US 5,015,329
15. US 5,045,283
16. US 5,049,230
17. US 5,053,339
18. US 5,254,473
19. US 5,420,000
20. US 5,591,354
21. US 5,672,465
22. US 6,472,214
23. US 7,227,158
24. US 7,476,874
25. US 7,573,048
26. US 7,652,268
27. US 7,989,781
28. US 8,115,182
29. US 8,242,464
30. US 8,278,631
31. US 8,343,437
32. US 8,872,134
33. US 9,581,504
34. US 10,451595
35. US 11,071,795
36. US 11,737,481
37. US 11,793,220
38. US 11,828,660
39. US 11,912,845
40. US 12,123,858
41. US 12,193,465
42. US 12,232,516
43. US 12,761,195
44. US 12,765,567

The following are patent application of JP Laboratories (To be updated):

1. AU 6122401
2. AU 7313691
3. AU 2009256212
4. AU 2001261224
5. AU 2017265092
6. AU 2022210305
7. BR 8907752
8. BR 11 2026 006702 0
9. CA 3205120
10. CA 3307436
11. CN 105392923
12. CN 202380103485.4
13. DK 85491
14. EP 1165151
15. EP 1200135
16. EP 1529089
17. EP 2288879
18. EP 23954581.7
19. EP 23956958.5
20. EP 3100031
21. EP 3452822
22. EP 4280882
23. ES 2021176
24. IL 170255
25. IL 243606
26. IN 2026227055186
27. IN 202627055308
28. JP 2002541466
29. JP 2006519383
30. JP 2011257417
31. JP 2016028238
32. JP 2016527399
33. JP 2017205868
34. JP 2024504059
35. JP 2026524071
36. JPH 06501770
37. KR 900702076
38. KR 20160039214
39. MXPA 01010283
40. MXPA 02001006
41. RU 2005129994
42. RU 2016105490
43. US 20230363426
44. US 20240158606
45. US 20240418691
46. US 20250009920
47. WO 1989000704
48. WO 1990005203
49. WO 1994012858
50. WO 1996012777
51. WO 1996021885
52. WO 2004017095
53. WO 2004077097
54. WO 2006124594
55. WO 2007089799
56. WO 2007097785
57. WO 2007117273
58. WO 2008048921
59. WO 2009149243
60. WO 2011031959
61. WO 2013040384
62. WO 2014210460
63. WO 2015009540
64. WO 2015112679
65. WO 2016183044
66. WO 2017192444
67. WO 2022159439
68. WO 2023003776

J. TRADEMARKS

Registered in United States of America:

SIRAD® #3,217,074 (March 13, 2007)
RADTriage (*pending)*
SIRADFit (*pending)*

Registered in Japan:

SIRADFit® #5,450,638 (November 11, 2011)
RADTriage® #5,451,117 (November 18, 2011)

Unregistered trademarks

RADSticker™, RADdot™ and SIRAD-TLD™

K. RESEARCH PUBLICATIONS OF G.N. PATEL

Sardar Patel University, India

1. Polymer, 10, 932 (1969) Single Crystals of Cellulose Triacetate
2. J. Polym. Sci., A-2,8, 47 (1970) Single Crystals of High Polymers by Film Formation
3. Eu. Polym. J., 6, 657 (1970) Growth Mechanism of Polymer Hedrites
4. Makromol. Chemie, 137, 67, (1970) Applications of the Two Beam and the Multiple Beam Interferometry Techniques to Polymer Crystals
5. Ph.D. Thesis, "Crystallization of Polymers", Sardar Patel University, Vidyanagar, India

Bristol University, UK

6. J Polym. Sci., Polym. Lett. Ed., 11, 737 (1973) On the Effect of Ionizing Radiation on Hydrocarbons and Polyethylene in Their Crystalline State
7. Makromol. Chemie, 175, 983 (1973) A Study on the Location of Radiation Induced Cross-Links in Polyethylene Single Crystals by Selective Degradation
8. J. Appl. Polym. Sci., 18, 2069 (1974) Use of an Oligomer as an Internal Standard in Gel Permeation Chromatography
9. J. Appl. Polym. Sci. 18, 3537 (1974) Application of an Oligomer as an Internal Standard in Gel Permeation Chromatography
10. J. Polym. Sci., Polym. Phys. Ed., 13, 303 (1975) Crystallinity and Effect of Ionizing Radiation in Polyethylene. I. Crosslinking and the Crystal Core
11. J. Polym. Sci., Polym. Phys. Ed., 13, 323 (1975) Crystallinity and Effect of Ionizing Radiation in Polyethylene. II. Crosslinking in Chain-Folded Single Crystals
12. J. Polym. Sci., Polym. Phys. Ed., 13, 333 (1975) Crystallinity and Effect of Ionizing Radiation in Polyethylene. III. An Experiment of the Irradiation-Induced Crosslinking in *n*-Hexatriacontane
13. J. Polym. Sci., Polym. Phys. Ed., 13, 339 (1975) Crystallinity and Effect of Ionizing Radiation in Polyethylene. IV. Effect of Segregation of Low Molecular Weight Chains on Determination of Main-Chain Scission in Linear Polyethylene
14. J. Polym. Sci., Polym. Phys. Ed., 13, 351 (1975) Crystallinity and Effect of Ionizing Radiation in Polyethylene. V. Distribution of *trans*-Vinylene and *trans, trans* Conjugated Double Bonds in Linear Polyethylene
15. J. Polym. Sci., Polym. Phys. Ed., 13, 361 (1975) Crystallinity and Effect of Ionizing Radiation in Polyethylene. VI. Decay of Vinyl Groups
16. J. Polym. Sci., Polym. Phys. Ed., 13, 2259 (1975) A Study of the Fold Surface Structure of Polyethylene Single Crystals by Means of Selective Degradation with Ozone
17. J. Polym. Sci., Polym. Phys. Ed., 13, 2275 (1975) Association of the Reaction Products in the Ozone Degradation of Polyethylene and its Relevance to the Study of the Fold Surface Structure

18. J. Polym. Sci., Polym. Phys. Ed., 13, 2281 (1975) An Investigation on the Chain-Folding Structure of an Ethylene-Propylene Copolymer by Selective Degradation

Baylor University, Waco, TX

19. J. Phys. Chem., 79, 2473 (1975) Kinetics of Two Simultaneous Second-Order Reactions Occurring in Different Zones
20. "Radiation Chemistry of Polymers", Oct. 23-25 (1975)
21. 170th American Chemical Society Meeting, Chicago, Aug. 25, 1975
22. Proc. Tihany Symp. Radiation Chem., 4, 313 (1976) Kinetics of Chain Allyl Free Radical Decay in Irradiated Bulk Film, Hydrogenated and Extended Chain Polyethylene
23. Polym. Preprints, 18, 549 (1977) Kinetics of Allyl Radical Decay in Polyethylenes of Different Morphologies
24. J. Polym. Sci., Polym. Phys. Ed., 16, 467 (1978) Radiation Chemistry of Polyethylene. XIV. Allyl Radical Decay Kinetics in Different Types of Polyethylene

Allied/Honeywell

25. Energetics of the Thermal Polymerization of a Diacetylene Crystal, R.R. Chance, G.N. Patel, E.A. Turi and Y.P. Khanna; J. Amer. Chem. Soc., 100, 1307 (1978)
26. Solid State Polymerization of a Diacetylene Crystal: Thermal, Ultraviolet, and ϒ-Ray Polymerization of 2,4-Hexadiyne-1,6-Diol *Bis*(-*p*-Toluene Sulfonate), R.R. Chance and G.N. Patel; J. Polym. Sci., Polym. Phys. Ed., 16, 859 (1978)
27. Energetics and Mechanism of the Solid-State Polymerization of Diacetylenes, G.N. Patel, R.R. Chance, E.A. Turi, and Y.P. Khanna; J. Amer. Chem. Soc., 100, 6644 (1978)
28. A Visual Conformational Transition in a Polymer Solution, G.N. Patel, R.R. Chance and J.D. Witt; J. Polym. Sci., Polym. Lett. Ed., 16, 607 (1978)
29. Color changes mark polymer reactions
30. --
31. Soluble Polydiacetylenes. I. Synthesis and Properties; G.N. Patel, Polymer Preprints, 19 (2), 154 (1978)
32. Soluble Polydiacetylenes. II. Visual Conformational Transition in a Polymer Solution, G.N. Patel, R.R. Chance and J.D. Witt, Polymer Preprints, 19(2), 160 (1978)
33. Polydiacetylenes: Solution Conformation Characteristics, G.N. Patel, E.R. Walsh, J. Polym. Sci., Polym. Lett. Ed., 17, 203 (1979)
34. A planar-nonplanar conformation transition in conjugated polymer solutions, J. Chem. Phys., 70, 4387 (1979)
35. Studies on Partially Polymerized 2,4-Hexadiyn-1,6-*bis*(*p* Toluenesulfonate), G.N. Patel, J. Polym. Sci., Polym., Phys. Ed., 17, 1591 (1979)
36. Acceleration of Radiation-Induced Crosslinking in Polyethylene by Diacetylenes, G.N. Patel, Radiat. Phys. Chem., 14, 729 (1979)
37. Thermal effects on the optical properties of single crystals and solution-cast films of urethane substituted polydiacetylenes, R.R. Chance, G. Patel, & J. Witt, J. Chem. Phys., 71, 206 (1979)
38. Copolymerization of Diacetylenes in the Crystalline Solid State. A Method for Recording Latent Fingerprints, G.N. Patel, and G.G. Miller, J. Apply. Polym. Sci., 24, 883 (1980)
39. Solid State Phase Transformation of a Diacetylene by Solvation, G.N. Patel, E.N. Diesler, D.Y. Curtin and I.C. Paul; J. Amer. Chem. Soc., 102, 461 (1980)
40. Origin of Thermochromism in Polydiacetylenes: Inter- and Intramolecular Melting of Polydiacetylenes, G.N. Patel; Polymer Preprints, 20 (2), 452 (1979)

41. Thermal Analysis of Thermochromic Phase Changes, Y.P. Khanna and G.N. Patel, Polymer Preprints, 20 (2), 457 (1979)
42. Thermochromism in Polydiacetylene Solutions, G.N. Patel, J.D. Witt and Y.P. Khanna, J. Polym. Sci., Polym. Phys. Ed., 18, 1383 (1980)
43. Abrupt Dissolution of Polydiacetylenes, G.N. Patel and Y.P. Khanna, J. Polym. Sci., Polym Phys. Ed., 18, 2209 (1980)
44. Irradiation of a Single Crystalline and Highly Amorphous Polydiacetylene, G. Patel, Radiat. Phys. Chem., 15, 637 (1980)
45. Visual conformational transition of water soluble polydiacetylenes: Effects of pH and electrolyte on absorption and fluorescence spectra, H.R. Bhattacharjee, A.F. Preziosi and G.N. Patel, J. Chem. Phys., 73, 1478 (1980)
46. Water Soluble Polydiacetylenes: Synthesis and Polymerization, A.F. Preziosi, H.R. Bhattacharjee and G.N. Patel, Polymer Preprints, 21 (2), 166 (1980)
47. Water Soluble Polydiacetylenes: Absorption and Fluorescence Spectroscopy, H.R. Bhattacharjee, A.F. Preziosi and G.N. Patel, Polymer Preprints, 21 (2), 168 (1980)
48. Single Component, Solventless, Binderless and Pigmentless Inks, G.N. Patel, Amer. Ink Makers, June 1981, p 24
49. Structure-Property Relationships of Diacetylenes and Their Polymers, G.N. Patel and G.G. Miller, J. Macromol. Sci., Phys., B20, 111 (1981)
50. The Solid-State Polymerization of Diacetylenes by Reactive Gases: Initiation by Chlorine, G.N. Patel, H.R. Bhattacharjee and A.F. Preziosi, J. Polym. Sci., Polym. Lett. Ed., 16, 511 (1981)
51. Quantum Yield of Solid State Polymerization of Diacetylenes, H.R. Bhattacharjee and G.N. Patel, J. Photochem., 16, 85 (1981)
52. Synthesis and Polymerization of Diacetylenes Having Chromophoric Substituent Groups, G. Patel, Macromolecules, 14, 1170 (1981)
53. Carbon-13 Nuclear Magnetic Resonance Studies on Soluble Poly(diacetylenes), G.E. Babbitt and G.N. Patel, Macromolecules, 14, 554 (1981)
54. Diacetylenes as Radiation Dosage Indicators, G.N. Patel, Radiat. Phys. Chem., 18, 913 (1981)
55. Cocrystallization and Copolymerization of Diacetylenes: Some Novel Observations, G.N. Patel and G.G. Miller, Polymer J., 13, 1075 (1981)
56. Visual Processes of Polydiacetylenes, T. Kotaka and G.N. Patel, Kagaku, 36 (10), 811, (1981) (JAPANESE TEXT)
57. Ozonolysis of a Polydiacetylene, G.N. Patel and T.C. Lee, J. Macromol. Sci., Phys., B22, 259 (1983)
58. Polydiacetylenes: An Ideal Color System for Teaching, Polymer Science, G.N. Patel and N. Yang, J. Chem. Ed., 60, 181 (1983)
59. One-Dimensional Order/Disorder in a Polydiacetylene, G.N. Patel and Y.P. Khanna, J. Polym. Sci., Phys., Ed., 20, 1029 (1982)
60. Synthesis and Polymerization of Water-Soluble Polydiacetylenes, G.N. Patel, A.F. Preziosi and H.R. Bhattacharjee, J. Polym. Sci., Symposium, 71, 240 (1984)
61. Effects of pH and Electrolytes on Absorption and Luminescence Spectra of Water Soluble Polydiacetylenes, H.R. Bhattacharjee, A. Preziosi & G. Patel, J. Polym Sci., Symp., 71, 260 (1984)

JP Laboratories, Inc., Publications and Presentations

1. Self-indicating radiation alert dosemeter (SIRAD), Gordon K. Riel, Patrick Winters, Gordhan Patel and Paresh Patel, Radiation Protection Dosimetry (2006)
2. St. Louis Public Safety Meeting; September 23, 2003
3. Verbal Testimony to US Congress; September 29, 2003
4. Written Testimony to US Congress; September 29, 2003

5. CIRMS 13th Presentation; October 25, 2004
6. Radiation Protection Dosimetry Advance Access; March 24, 2006
7. Evaluation of a New Self-Developing Instant Film for Imaging and Dosimetry, Y. Watanabe, G.N. Patel, & P. Patel, Radiation Protection Dosimetry, Vol 120, No. 1-4, 121-124 (2006)
8. Dosimetry Symposium, June 5, 2007
9. Health Physics Society, January 31, 2009
10. "Innovation – risks and rewards", Vibrant Gujarat Summit, Ahmedabad, India, January 10, 2013
11. Mango seed kernel, a highly nutritious food, should we continue to trash or use? Gordhan N Patel and Jasminkumar Kheni Journal of Pharmacognosy and Phytochemistry 2018; 7(4): 04-07
12. Should we continue to trash or use mango kernel seed? Gordhan N Patel and Jasminkumar Kheni, Krushigovidya, June 2018
13. To be updated.

Books/Reviews

1. "Radiation Crosslinking of Thermoplastics", Sixth Annual Summer Conference on Polymer Science and Technology, New Paltz, New York, June 1976
2. "Chemical Methods in Polymer Science" in "Methods of Experimental Physics- Polymer Physics", PP 237-287, Academic Press, New York, 1980

L. Invited Lectures

1. Materials Research Center, Allied Corporation, Morristown, NJ – August 1974
2. Sixth Annual Summer Conference on Polymer Science and Technology, New Paltz, NY – June 1975
3. American Chemical Society, Miami, FL – September 1978
4. Texas Instruments, Dallas, TX – October 1978
5. 3M Company, St. Paul, MN – January 1980
6. General Electric, Schenectady, NY – January 1980
7. Ashland Chemicals Company, Cleveland, OH – February 1980
8. American Chemical Society, Staten Island Subsection, Wegner College, Staten Island, NY – May 1980
9. Polytechnic Institute of New York, Chemistry Department, Brooklyn, NY – June 1980
10. A.D. Little, Boston, MA – June 1980
11. Rutgers University, College of Engineering, Piscataway, NJ – September 1980
12. Northwestern University, Department of Chemistry, Evanston, IL – October 1980
13. University of Illinois, Department of Chemistry, Urbana, IL – October 1980
14. Mohawk Valley Community College, Association of College Chemistry Teachers, Utica, NY – October 1980
15. Chemistry Explorers of New Jersey, Allied Chemical Corporation, Morristown, NJ – October 1980
16. Third International Meeting on Radiation Processing, Tokyo, Japan – October 1980
17. Tokyo Institute of Technology, Yokohama, Japan – October 1980
18. Osaka University, Faculty of Science, Toyonaka, Japan – November 1980
19. Institute for Scientific and Industrial Research, Suita, Osaka, Japan – November 1980
20. Teijin Limited, Mihara, Japan – November 1980
21. University of Paris VII, Solid State Physics Group, Paris, France – November 1980

22. Service d'Electronique Fondamentale Centre d'Estudes Nucleaires de Sarclay, Sarclay, France – November 1980
23. Johannes Gutenberg University, Department of Chemistry, Mainz, West Germany – November 1980
24. Sardar Patel University, Department of Chemistry, Vallabh Vidyanagar, India – December 1980
25. Bhabha Atomic Research Center, Bombay, India – December 1980
26. Indian Association for Cultivation of Science, Calcutta, India – December 1980
27. Indian Institute of Technology, Chemistry Department, Bombay, India – December 1980
28. 13th Mid-Atlantic Regional ACS Meeting, Washington, D.C. – January 1981
29. GAF Corporation, Wayne, NJ – January 1981
30. Thermal Group of New York and New Jersey, American Chemical Society, Seton Hall University, East Orange, NJ – March 1981
31. Ryder College, Lawrenceville, NJ – April 1981
32. Instituttet of Kemiindustri, Lyngby, Denmark – May 1981
33. University of Bristol, Physics Department, Bristol, England – May 1981
34. Sixth International Conference on Chemical Education, College Park, Maryland – August 1981
35. 21st Canadian High Polymer Forum, Kingston, Ontario, Canada – August 1981
36. Cornell University, Ithica, NY – September 1981
37. State University of New York, College of Environmental Science and Forestry, Syracuse, NY – September 1981
38. Teachers Affiliates, North Jersey Section, American Chemical Society, North Caldwell, NJ – March 1982
39. South Methodist University, Department of Chemistry, Dallas, TX – May 1982
40. Baylor University, Department of Chemistry, Waco, TX – May 1982
41. I-point Technology, Washington DC, October 1983
42. U.S. Naval Research Laboratory, Washington, D.C. – May 1983
43. U.S. Army, Chemical Research and Development Center, Aberdeen Proving Ground, MD – February 1984
44. State University of New York at Buffalo, Department of Chemistry, Buffalo, NY – September 1985
45. Hartwick College, Oneonta, NY – April 1986
46. British American Bank Notes, Montreal, Canada - 1987
47. Enthone OMI, West Haven, CT - May 1988
48. Bowater, Manchester, England - 1992
49. CCL Labels, Montreal, Canada - 1995
50. James Rivers, South Hadley, MA - February 1997
51. NAMSA, Northwood, OH - December 2002
52. Health Physics Society, Topical Meeting on Homeland Security - June 2002
53. The 5th Annual Technologies for Public Safety in Critical Incident Response Conference & Exposition, St. Louis, Missouri - September 2003
54. Testimony to US Congressional Subcommittee, Washington, DC - September 2003
55. Institute of Physics, London, England - March 2003

56. 14th International Conference on Solid State Dosimetry, New Haven, CT - June 2004
57. CIRMS meeting, NIST, Gaithersburg, MD - 2004
58. Institute of Food Technologists, Chicago, IL - July 2004
59. American Chemical Society meeting, Washington, DC - May 2005
60. Avery Dennison, Strongsville - OH 2007
61. Technology Solution Demonstration, Washington, DC - March 2007
62. International Dosimetry symposium, Portland, ME - June 2007
63. Conference on Chemical (Industrial) Disaster Management (CIDM-2010): Mumbai, India - February 2010
64. National Disaster Management Authority, Delhi, India - February 2010
65. Health Physics Society meeting, Salt Lake City, UT - June 2010
66. American Institute Of Chemical Engineers, NJ-NY Chapter, Scotch Plains, NJ - January 2011
67. "Innovation – risks and rewards", Vibrant Gujarat Summit, Ahmedabad, India, January 10, 2013
68. Emergency Dosimeters, 34 IDRS Symposium, Annapolis, MD, June 2015
69. RADTriage, Radio 2017, Goiania, Brazil, September 27, 2017
70. Gordhan Patel, Innovator, Felicitation, Achala Education Foundation Trust, Ahmedabad, Gujarat, India, January 21, 2018.
71. "Disruptive Innovation", Sardar Patel University, Vallabh Vidyanagar, Gujarat, India, January 23, 2018
72. "Don't Forget You are Gold Medalists", Chief Guest, Felicitation of Gold Medalists, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India, January 23, 2018
73. Sardar Patel University, Vallabh Vidyanagar, Gujarat, India, January 23, 2018
74. Radio Talk, Sardar Patel University Radio, Vallabh Vidyanagar, Gujarat, India, January 24, 2018
75. ", Anand Agriculture University, Anand, Gujarat, India, January 25, 2018
76. Indian Constitution, "Indian Flag Hoisting", Science Community Center, Vadodara, Gujarat India, January 26, 2018
77. "Thinking Out of the Box" Science Community Center, Vadodara, Gujarat India, January 26, 2018
78. "Diacetylenes" Chemistry Department, Sardar Patel University, Vallabh Vidyanagar, Gujarat India, February 6, 2018
79. Sept. 24, 2018: Sardar Patel University, Department of Physics, Vallabh Vidyanagar, Gujarat, India, (Glasslining)
80. Sept. 25, 2018: Sardar Patel University, Home Science, Vallabh Vidyanagar, Gujarat, India, (debittering)
81. Sept. 26, 2018: Junagadh Agriculture University, Junagadh, Gujarat, India (Debittering)
82. Sept. 26, 2018: Narsinh Mehta University, Junagadh, Gujarat, India (Innovation)
83. Sept. 28, 2018: Navsari Agriculture University, Navsari, Gujarat, India (Debittering)
84. Sept. 29, 2018: Birla Vishwakarma Mahavidyalaya (College of Engineering), Vallabh Vidyanagar, Gujarat, India (Glasslining)
85. Oct. 1, 2018: Hemchandracharya North Gujarat University, Patan, Gujarat, India ((Debittering, diacetylenes and innovation)
86. Oct. 3, 2018: Indian Institute of Technology, Gandhinagar, Gujarat, India (Glasslining)
87. Oct. 5, 2018: All India Institute of Medical Sciences, Delhi, India (Diacetylenes)
88. Oct. 6-7, 2018: Patanjali, Hardwar, Uttarakhand, India (Debittering)
89. Oct. 8, 2018: Narsinh Mehta University, Junagadh, Gujarat, India (debittering)
90. Oct. 9, 2018: Gujarat University, Ahmedabad, Gujarat, India (Disruptive Innovation)

91. Oct. 10, 2018: Dantiwada Agriculture University, Dantiwada, Gujarat, India (Debittering)
92. Oct. 10, 2018: Charutar Vidya Mandal, Vallabh Vidyanagar, Gujarat, India (Glasslining)
93. Oct. 12, 2018: Anand Agriculture University, Anand, Gujarat, India (Debittering)
94. March 26, 2019 Making non-palatable food palatable, Science Community Center, Vadodara, Gujarat India, January 26, 2018
95. March 30, 2019 Introduction to patents, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India
96. April 1, 2019: Rust proofing by glass lining, Central Glass & Ceramic Research Institute, Kolkata, India
97. April 2, 2019: Debittering Produce, Assam University, Silchar, Assam, India
98. April 4. 2019: Innovation, Jamnagar Ayurveda University, Jamnagar, Gujarat, India
99. June 6, 2019: Charusat, Changa, Gujarat, India
100. June 10, 2019: National Agriculture Bioscience Institute, Chandigarh, Panjab, India
101. June 12, 2019, Patanjali Research Institute, Patanjali, Utra Khand, India
102. August 20, 2019: A tribute to my mentor, Dr. Raman D. Patel, Anoopam Mission, Coplay, PA
103. November 23, 2019 R.D. Patel SPU Alumni USA, Edison, NJ
104. December 14, 2019: Innovation, risk & reward, SPU Chemistry Department Alumni, Edison, NJ
105. January 2, 2020, Thinking out of the box, Parul University, Vadodara, Gujarat, India
106. January 3, 2020, Patents, Parul University, Vadodara, Gujarat, India
107. January 4, 2020, Utility of Mango Seed Kernel, Amidhara/Fruits and Vegetable Association of Gujarat, Navsari, Gujarat, India
108. January 6, 2020, Innovation & Thinking outside the box, Venture Center, National Chemical Laboratory, Pune, Maharashtra, India
109. January 8, 2020, Chemistry Department, Sardar Patel University, Vidyanagar, Gujarat, India
110. January 8, 2020, Bio Science Department, Sardar Patel University, Vidyanagar, Gujarat, India
111. January 11, 2020, Contributions of late Prof. Dr. R.D. Patel, SPU Alumni Global Meet, Sardar Patel University, Vidyanagar, Gujarat, India
112. January 11, 2020, How to create a huge endowment for SPU Alumni Association, SPU Alumni Global Meet, Sardar Patel University, Vidyanagar, Gujarat, India
113. January 17, 2020, MBA Department, Sardar Patel University, Vidyanagar, Gujarat, India
114. January 18, 2020, Natural Storage Solutions Ltd., Kalol, Gujarat, India
115. Webinar Sanitization method & materials, Navsari Agriculture University, Navsari, Gujarat, India

To be updated for 2020-2024

August 30, 2024: Keynote speech at Resurgent Odisha, Bhubaneswar, Odisha, India
September 2, 2024: NIST University, Berhampur, Odisha, India
September 3, 2024: NIST University, Berhampur, Odisha, India
September 6, 2024: Silver Oak University, Ahmedabad, Gujarat, India
September 9, 2024: Sardar Patel University, Vidyanagar, Gujarat, India
September 10, 2024: Gujarat Chamber of Commerce & Industry, Ahmedabad, Gujarat, India
September 11, 2024: Parul University, Wagodia, Gujarat, India

To be updated for 2025-2026