

PROF. MARWAN R. KAMAL



Education:

Ph.D. Chemistry : University of Pittsburgh 1961
M.Sc. Chemistry : De Paul University 1958
B.Sc. Chemistry : Roosevelt University 1955
M.B.A Management: : University of Minnesota 1968

Membership of Local Societies:

1990 - Present : International Affairs Council, Jordan
1989 - Present : Jordan Society for Graduates of American
Universities and Institutes,
(Vice President 1992 - Present)
1996 - Present : Jordanian Lebanese Society.
1980 – Present : National Society for Social Defense
(President 1983 - 1987, 1993 - 2010)

Membership of Boards of Trustees:

2005 - Present : Ahliyyah university , Bahrain
2005 – Present : International University for Science and Technology , Syria
1999 – Present : Sharjah University , UAE
1990 – Present : Philadelphia University, Jordan

1991 – 1993 : Jordan University for Women, Jordan

1979 – Present : Intermediate University College, Jordan

1987 – 1991 : University of Bahrain, Bahrain

Medals:

1998 : Chevalier dans 1 order de la Legion d Honneur, France

1994 : Al-Kawkab of the First Order, Jordan

Professional Experience :

: President, Philadelphia University Jordan	May 2005 – Present
: Senator , Jordan	Nov. 2007 – Dec. 2009
: Secretary General, Association of Arab Universities, Jordan	Jan 1998 - Dec 2005
: President, Yarmouk University, Jordan	Jan 1994 - Dec. 1997
: Minister of Agriculture, Jordan	May 1993 - Dec. 1993
: Professor of Chemistry, University of Jordan	Sept 1991 - May 1993
: President, University of Bahrain	Aug. 1987 – Sept. 1991
: Vice President for Science Faculties Affairs. University of Jordan	Sept. 1986 - Aug, 1987
:Vice President, Yarmouk University, Jordan	Oct. 1984 - Sept, 1986
:Dean of Agriculture, University of Jordan	Oct. 1980 - Oct. 1984
:Dean of Sciences, University of Jordan	Aug 1978 - Oct. 1980
: Professor of Chemistry,University of Jordan	Sept. 1977 - Aug. 1978
: Professor of Chemistry, University of Petroleum & Minerals, Dahrn, Saudi Arabia	Sept. 1976 - Sept. 1977

: Visiting Fellow & Visiting Research Aerospace & Mechanical Sciences Dept., Princeton University, Princeton, N.J.	Sept. 1976 - Sept. 1976
: Dean of Sciences & Prof. of Chemistry, University of Petroleum & Minerals	Sept. 1974 - Sept. 1975
: Dean of Sciences (same as above)	June, 1970 - Aug, 1974
: Dean of Business Affairs (same as above)	Sept. 1969 - June 1971
: Asst Dean of Sciences (same as above)	Sept. 1968 - Sept. 1969
: Chairman & Associate Professor ,Chemistry dept. (same as above)	Sept. 1967 - Sept. 1968
: Assistant Professor of Chemistry, University of Petroleum and Minerals	Jan. 1967 - Sept. 1967
: Head, Polymer Research Dept. General Mills, Inc, Minneap Minnesota	March 1966 - Jan. 1967
: Research Associate (same as above)	Dec. 196 - March 1966
: Project Leader (same as above)	May 1961 – Dec 1964

United States Patents :

1. Marwan R. Kamal : NOVEL DERIVATIVES OF POLYISOCYANATES REPAED FROM POLYMERIC FATTY ACIDS & CERTAIN OXIMES'_U S. 3,726,921 (1973)
2. Marwan R. Kamal "DIISOCYANATES" US. 3,691,225 (1972)
3. Robert C. Kuder & Marwan R. Kamal "ETHER DIISOCYANATES U S. 3,691 ,223 (1972)
4. Robert C. Kuder & Marwan R. Kamal "ETHER DIAMINES" US. 3,661,993 (1972)
5. Marwan R. Kamal & Robert C. Kuder "CARBONATES OF ETHER AND HYDROXY SUBSTITUTED FATTY NITRILES" U S. 3,647,853 (1972)
6. Marwan R. Kamal & Robert C. Kuder "CARBONATES OF ETHER AND HYDROXY SUBSTITUTED FATTY AMINES" US. 3,647,852 (1972)
7. Marwan R. Kamal & Robert C. Kuder "ETHER CARBONATE DIISOCY ANATES" U S. 3,644,465 (1972)
8. Robert C. Kuder & Marwan R. Kamal "ETHER DINITRILES" U S. 3,631,090 (1971)
9. Marwan R. Kamal , John R. Nazy & Donald H. Wheeler "ALICYCLIC DIISOCYANATES"US. 3,624,122 (1971)
10. Robert C. Kuder & Marwan R. Kamal CARBONATE ETHERS OF HYDROXY SUB STITUTED FATTY NITRILES" US. 3,622,623 (1971)
11. Marwan R. Kamal & James L. Keen "PROCESS OF MAKING WATER REPELLENT PAPER USING A FATTY POL YISOCY ANATE AND A CATIONIC GUM ETHER AND PRODUCT THEREFORM" US. 3,489,978 (1971)
12. Marwan R. Kamal, John R. Nazy & Donald H. Wheeler "DIISOCYANATES AND DERIVATIVES" US. 3,536,671 (1970)
13. Marwan R. Kamal, John R. Nazy & Harold A. Wittcoff DERIVATIVES OF CERTAIN POLYAMINE AND

- CARBOXYLIC ACIDS" US. 3,535,353 (1970)
14. Marwan R. Kamal, John R. Nazy & Harold A. Wittcoff "POLYMERS PREPARED FROM ORGANIC POLYISOCYANATES OR POLYISOTHIOCYANATES AND AMIDES OF CERTAIN KETIMINE BLOCKED POLYAMINES AND CARBOXYLIC ACIDS" US. 3,523,925 (1970)
 15. Marwan R. Kamal "PROCESS OF TREATING LEATHER AND FIBROUS MATERIAL WITH POLYISOCYANATE DERIVATIVES" U.S. 3,493,426 (1970)
 16. Marwan R. Kamal & Don E. Floyd "TREATMENT OF WOOD AND RESULTING TREATED PRODUCT" US. 3,481,774 (1969)
 17. Marwan R. Kamal "PREPARATION OF NONAROMATIC POLYISOCYANATES" US. 3,465,023 (1969)
 18. Marwan R. Kamal & Edgar H. Rogier "POLYISOCYANATES AND DERIVATIVES" US. 3,455,883 (1969)
 19. Lyle F. Elmquist & Marwan R. Kamal "PROCESS FOR RENDERING CELLULOSIC AND FIBROUS MATERIALS OIL-WATER-REPELLENT AND PRODUCT THEREFROM" US. 3,462,295 (1969)
 20. Edmund G. Nash & Marwan R. Kamal "1,4-BIS-ISOCYANATO AND ISOTHIOCYANATOMETHYL-1-PHENYL TETRAHYDRO-NAPHTHALENE" US. 3,455,981 (1969)
 21. Marwan R. Kamal & Harold A. Wittcoff "POLYUREA COATING FOR COPPER" US. 3,440,087 (1969)
 22. Marwan R. Kamal "SCHIFF BASES PREPARED BY REACTING UNSATURATED CARBONYL COMPOUNDS WITH AMINE-TERMINATED POLYMERIC FATS" US. 3,432,574 (1969)
 23. Marwan R. Kamal, John R. Nazy & Harold A. Wittcoff "HARDENABLE AND CURED EPOXY RESIN COMPOSITIONS" US. 3,401,146 (1968)
 24. Marwan R. Kamal "METAL COMPLEXES OF POLYSECONDARY AMINES AND FILMS THEREFROM" US. 3,391,127 (1968)
 25. Marwan R. Kamal "POLYURETHANES FORMED FROM FATTY AMINE POLYOLS" US. 3,346,517 (1966)
 26. Marwan R. Kamal "POLYMERIC FAT ACID BASED POLYAMIDEUREAS" US. 3,284,416 (1966)
 27. Marwan R. Kamal "REACTION PRODUCT OF AN ORGANIC DIISOCYANATE WITH A POLYMERIC FAT ACID DIALKANOLAMINE CONDENSATE" US. 3,267,080 (1966)
 28. Marwan R. Kamal "1-OXA-4-HYDROXYETHYL AZASPIRO (4,4),6,6,8,9 TETRACHLORO-NONA-6,9-DIENE AND ITS SYNTHESIS" U.S. 3,264,319 (1966)

Other Patents in which Marwan R. Kamal is inventor or co-inventor:

POLYISOCYANATES AND DERIVATIVES:

668,214	Belgium
743,980	Canada
781,548	Canada
1,429,509	France
1,023,390	Great Britain

745,427	Italy
745,427	Japan
91,198	Mexico
115,639	Norway
460,745	Switzerland

POLYOL-POL YISOCYANATE PRODUCTS

785,246	Canada
1,431,136	France
1,032,873	Great Britain
747,501	Italy

DIISOCYANATES AND DERIVATIVES

700,212	Belgium
796,773	Canada
1,543,973	France
810,629	Italy
537,033	Japan

DIMERYL DIISOCYANATE AS A LEATHER WATER-PROOFING AGENT

800,514	Canada
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POLYURETHANE COATINGS

798,898	Canada
1,056,646	Great Britain
758,993	Italy

PREPARATION OF NON-AROMATIC POLYISOCY ANATES

771,695	Canada
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MOISTURE CURED POLYUREA COMPOSITIONS

681,917	Belgium
1,481,386	France

769,036

Italy

92,075

Japan

PROCESS FOR RENDERING CELLUOSIC AND FERROUS MATERIALS WATER REPELLENT AND PRODUCT THEREFROM

684,723	Belgium
1,487,78G	France
1,118,268	Great Britain
784,2g9	Italy
524,dOG	Japan
93,603	Mexico

POLYUREA COATING FOR COPPER

687,836	Belgium
785,246	Canada
1,495,830	France
810,668	Italy