



Curriculum Vitae

Prof. Dr. Nadia G. Kandile, PhD

Full name: Nadia Gharib Kandile , PhD

Present Positions : Emeritus Professor: Department of Chemistry
Faculty of Women for Art, Science and Education
Ain Shams University

Academic qualifications: BSc Honour 1967 Faculty of Science (Ain Shams University,)

MSc	1973	(Ain Shams University, Egypt)
PhD	1975	(Ain Shams University, Egypt)

Office phone and fax: +224157804
Home phone: +226234244
Mobile: +201222260339

Email:

nadiaghk@yahoo.com
nadiaghk@women.asu.edu.eg
nadiaghk@hotmail.com

Scopus ID

<https://www.scopus.com/authid/detail.uri?authorId=6507548559>

https://www.researchgate.net/profile/Nadia_Kandile/publications

<https://se.linkedin.com/in/nadia-kandil-3257943b>

ORCID No: 0000-0003-3089-9224

Present Positions:

Professor of Applied Organic Chemistry - Department of Chemistry – Faculty of Women for Arts, Science and Education, Ain Shams University

Professor of Environmental Chemistry and Environmental Organic Chemistry - Institute of Environmental Studies and Research - Ain Shams University (Ended)

President of the National Committee for Pure and Applied Chemistry (Academy of Scientific Research and Technology) **2022-2024**, from 2013-2017 Member of the National Committee for Pure and Applied Chemistry (Academy of Scientific Research and Technology) from 2007-2018-2021

Member of the National Committee of the International Council of Science 2013- 2017 Member of the Supreme Council for Professors and Associate Professors Applicants in Applied Organic Chemistry in Egyptian Universities (2013-2017) and reviewer 2018 until date.

Reviewer for the Supreme Council for Professors and Associate Professors Applicants in Chemistry in Egyptian Institutions (National Research Center and Egyptian Petroleum Research Institute).

Member of the Scientific Culture Committee in the Supreme Council of Culture (2013-2017).

Awards:

1. Arab Women Organization for Science and Technology Award (**2011**).
2. The African Union Kwame Nkrumah Scientific Award for Women in Science (**2012**).
3. Ain Shams University Appreciation Award in Science and Technology (**2011**)
4. IUPAC Distinguished Women in chemistry Award (**2015**).
5. Ain Shams University International Publications Award, since **2009 till the present**.

Officially Honored by:

Women's tribute:

1. The Society for Women in Science in Developing Countries - Egypt- OWSD – Egypt Chapter ,Nov. 12, 2023
2. Faculty of Women as a leader in the Chemistry Department for the year 2021-2022.
3. The Society for Women in Science in Developing Countries - Egypt- OWSD – Egypt Chapter ,Nov. 12, 2022 Nov. 15, 2022
4. The International Conference of Women Pioneers in the Arab World, December 2022
5. The Chemistry Department for presenting a workshop on how to compete for 2022 research funding.
6. Chemistry Department for participating in the department's conference: UN'S Sustainable goals and empowerment of women in science. 2022
6. Chemistry Department for presenting a workshop for female students entitled: The ideal way to write a graduation project - research and essay 2021.
6. Ain Shams University on Egyptian Women's Day for several years.
7. The Syndicate of Scientific Professions (The Role of Women in Scientific Research).
8. Faculty of Women, 2006.
9. The Egyptian Society of Polymers and Technology 2006.

10. Ain Shams University, for international Publications from 2009.until date
11. Ain Shams University in Egyptian Women's Day 2014
12. Faculty of Women, June 2014.
13. Ain Shams University 2015
14. The Society for Women in Science in Developing Countries - Egypt- OWSD – Egypt Chapter 2017.
- 15.. Faculty of Women 2017.

Activities for Women:

1. Attendance of the National Council for Women - the Permanent Committee for Education, Training and Scientific Research, to attend a symposium on (consolidating positive values in scientific research practices: the role of women) **12-28-2004**
2. My nomination from UNESCO to attend the conference “Arab Women's Interaction with Science and Technology” **April 5-7, 1999** Abu Dhabi - United Arab Emirates, under the patronage of Sheikha Fatima bint Mubarak in Abu Dhabi, representing UNESCO - Paris, to present **a case study on Egypt.**
3. Attendance at the First Conference of Arab Women in Science and Technology entitled: Empowerment for the Development of the Arab World - September **28-30, 2009** Dubai - United Arab Emirates.
4. My membership in the Association of Women in Science in Developing Countries, Italy (**No. 150**).
5. My attendance at the General Assembly in June 2010 - Beijing - China
6. My membership in the Association of Women in Science in Developing Countries - Egypt (**No. 249**).
7. Attendance of the conferences of the Conference of the Society for Women in Science in Developing Countries – Egypt **12-15 Nov.2017.**, Session Chair.
8. Attendance of the conferences of the Conference of the Society for Women in Science in Developing Countries – Egypt **12-15 Nov.2023.**, Session Chair.
9. The International Union of Pure and Applied Chemistry's Global Celebration of the “International Breakfast for Women in Chemistry” in February of each year with the National Committee for Pure and Applied Chemistry - the Academy of Scientific Research and Technology since 2020, **Chair of the committee, Prof. Dr. Nadia Gharib Kandile**
 - a. Breaking Barriers in Science 2023**
Chair and Speaker
 - b. A Joint event between the National committee for Pure and Applied Chemistry,, Academy of Scientific research and Technology Pure and German Chemical Society,**

c. Empowering Diversity in Science in Developing Countries

**Joint event between Egypt and Institute of Chemical Technology,
Mumbai, India. 2022.**

d. Global Network in support of Empowering Women in Science.

**Joint event between Egypt and Institute of Chemical Technology ,Mumbai ,India
Chair and Speaker. 2020.**

10. Seminars for Women. (Speaker)

**Seminars for women: at my Faculty and in the Centers of Culture in
Cairo through the Scientific Culture Committee (Ministry of Culture).
Speaker**

- Seminars on climate change and its impact on our daily lives.
- Seminars to introduce the 17 United Nations goals - the Sustainable Development Goals.
- The dangers of chemicals in our daily lives...
- The role of the Internet in spreading scientific culture.
- Participating in annual Environment Week seminars at the Faculty to educate female students about preserving the environment, reducing the risks we are exposed to in daily life, and preserving their families.
- Participation in eradicating computer literacy for female college students
- Addressing topics related to the environment.
- How to control the waste at home.

**Membership in International Union of Pure and Applied Chemistry (IUPAC)
Since (2007):**

- 1. Titular member Chemistry and Environment Division VI from (2007) -Titular member, associated member until 2023.**
- 2. National Representative in CHEMRAWN committee from 2009-2021, Titular member 2016-2019 and Associated member 2020-2021.**
- 3. Member in the subcommittee on Chemical and Biophysical processes in environment from 2009-2023**

4. Division VI representative in Interdivisional Committee on Green Chemistry for Sustainable Development (ICGCSD) 2021-2023

Projects:

Projects in Ain Shams University

1. Preparation of strategic materials from crustaceans for different applications (2015- .1 .2017) **Ended**
2. Preparation of smart economic composites and nanocomposites with unique characteristics for use in the development of different strategic industries (2018-2022) **(Ended)**
3. Fabrication of smart,eco-friendly and low coast new membranes based on sustainable polymers for use in industrial applications.(2022).

Project of International Union of Pure and Applied Chemistry Member in Projects:

1. Assessment of the Contribution of IUPAC to the Achievement of the United Nations Sustainable Development Goals (IUPAC and UN17SDGs).**(Ended)**
2. Personal Protective Equipment Disposal for the Future.
3. Development of Environmental Chemistry and Sustainability symposia for the Chemistry for Sustainability' thematic programmer in 48th World Chemistry Congress, "Montreal, 2021 "Sustainable Polymers. **(Ended)**
4. The Environment, Health and Food Safety Impact of Microplastics.
5. The environmental and health challenges of e-waste and its management: an emerging 21st century global concern.**(Ended)**
6. Chemical speciation of anthropogenic nanomaterials. Guidance for substance-related environmental monitoring strategies Regarding soil and surface water.**(Ended)**

3. Projects with Faculty of Dental, Sharjah University (UAE)

1. Injectable Hydrogels as Stem Cell Seeding Scaffolds for Temporomandibular Joint Tissue Engineering (ended). **2014**
2. Injectable hydrogels for controlled drug delivery and tissue engineering of the Temporomandibular Joint (ended). **2017**

Scientific conferences (Recent)

1. **President of the Fourth International Conference of the National Committee for Pure and Applied Chemistry, October 4-7, 2023, Marsa Alam.**
2. **President of the Third International Conference of the National Committee for Pure and Applied Chemistry, October 12-15, 2022, Hurghada.**
3. **Chair of the Second International Conference of the National Committee for Pure and Applied Chemistry October 12-15, 2012 Hurghada.**

4. President of the First International Conference of the National Committee for Pure and Applied Chemistry, October 23-24, 2017, Meridian Heliopolis.

5. The 5th African International Conference on Research in Chemistry Education, Ain Shams, University Chair of the Scientific Committee.

Conferences:

1. Global Women's Breakfast (IUPAC), Academy of Scientific Research, A joint event between, National Committee of Pure and Applied Chemistry (NCPAC, and the German Chemical Society (GDCH) workshop **14Feb, 2023. (The Chair of the event and Speaker)**

2. 5th Africa Conference on Research in Chemistry Education, Teaching chemistry for sustainable future, 7-9 Dec.2022, Ain Shams University , Academy of Scientific Research and Technology, National Committee of Pure and Applied Chemistry Cairo, Egypt. **(Chair of the Scientific Committee)**

3. Frontiers of Science: Innovation, Research, and education in the Middle East –A Bridge to peace, **6-11 Nov.2022 Malta (Speaker)**

4. 3rd International Conference of International Committee of Pure and Applied Chemistry, Academy of Scientific Research and Technology, (ICPAC22), Chemistry and Climate Change, **12-15 Oct.2022, Harghada , Egypt. (Chair of the conference, and speaker).**

5. Global Women's Breakfast (IUPAC), Academy of Scientific Research and Technology, A joint event between, National Committee of Pure and Applied Chemistry (NCPAC, and India) workshop **16Feb, 2022. (The Chair of the event and speaker)**

6. IUPAC CHEMRAWN XXII-E-WASTE IN AFRICA CONFERENCE, Theme: Global Electrical & Electronic Wastes: Health Hazards For **Africa Nigeria, 9-11 Nov.2021. (Member of the organizing committee, and Speaker)**

7. GREEN CHEMISTRY POSTGRADUATE SUMMER SCHOOL 4th -10th of July 2021, Venice, Italy (Organizer and Speaker. ONLINE)

8. 10th Workshop on Field and Construction Chemistry with Focus on Drymix Mortars, Ain Shams University, Faculty of Engineering, 20 Oct.2021 **(Green Chemistry. The Basics of Oilfield Chemistry, Speaker).**

9. Management of Plastic Wastes from Covid-19, Academy of Scientific Research, National Committee of Pure and Applied Chemistry, 26 Nov, 2020 **(Chair of the workshop).**

10. 2nd International conference for the National Committee NCPAC (2019), Chemistry for sustainable Future 20-22 Oct.2019, Harghada ,Egypt. **(The Chair of the conference and Speaker.)**

11. Celebration of the international year of Periodic Table, Academy of Scientific Research, National Committee of Pure and Applied Chemistry, 16 March 2019 **(Chair of the workshop and speaker)**

12. Green Chemistry for Sustainability, Academy of Scientific Research and Technology, National Committee of Pure and Applied Chemistry, workshop 7 Dec.2019 (**Chair of the workshop and speaker**)

13. Green Chemistry Metrics and Its Role in National Economy, Workshop in Faculty of Engineering, Ain Shams University 2017.

14. 1stInternational conference for the National Committee NCPAC (2017), Chemistry for sustainable Future 23-24 Oct.2017, Meridian Heliopolis, Cairo ,Egypt. (**The Chair of the conference and Speaker.**)

15. Green Chemistry-the challenge for sustainable future, Academy of Scientific Research and Technology, National Committee of Pure and Applied Chemistry **27 Nov, 2017, (chair of the workshop and speaker).**

16. Green Chemistry and Nanotechnology for Tomorrow Benign Environment, Egyptian Petroleum Research Institute Conference **22Feb2016.**

Lis of Publications:

Professional Carrier:

1. Head of Chemistry Department from August 2002 till 31 July 2006.
2. Educational chemistry consultant, Ain Shams University for the implementation of educational innovation till 2008.
3. **(TOT)** for Faculty staff members, Ain Shams University and Egyptian universities from 2005 till present and National Center for training till present.
4. Consultant in the Science Center for Detection & Remediation of Environmental Hazards, Alazhar University Cairo, Egypt.
5. Scientific Consultant for the Arab Science & Technology Foundation and Reviewer for the Foundations projects till present.
6. Scientific consultant for several projects in the Egyptian universities for treatment of industrial wastewater.

Visiting Professor:

1. Institute of Organic Chemistry, Lausanne University. Switzerland, 1994
2. Institute of Surfactants, Norman, Oklahoma, USA, 1994 Institute of Organic Chemistry, Regensburg, Germany,1995
3. Chemistry Department, Munich University, Germany1995.
4. Garash University, Jordan, 2004. Chemistry

5. Department, Faculty of Science, Florence, Italy, 2006.
6. University of Sharjah, College of Dentistry UAE, April 2012, 2016.
6. School of Biosciences and Centre for Molecular Processing University of Kent UK 2012.
7. University of Sharjah, College of Dentistry UAE, Nov2018.

Invitation of visiting professors to the Department of Chemistry, including Richard Ernest (Nobel Prize Laureate 1991) *

To support the research process and to give the opportunity for scientific cooperation to improve the performance of scientific research in the department

- Prof. Richard Ernest (Nobel Prize Laureate 1991) (Zurich).
- Prof. Rolf Husgn from Germany (University of Munich).
- Prof. Schlosser Manfred from Switzerland (Institute of Chemistry in Lausanne).
- Prof. David R. K. Harding from Massey University, New Zealand.
- Prof. Claudiu Supuran University of Florence, Italy.
- Prof. Leive Sydnnes, University of Bergen, Norway and former President of the International Union of Pure and Applied Chemistry (2010, 2023)

Member of the Editorial Board for the following Journals:

1. Carbohydrate Polymers Technology and Applications.
2. Egyptian Journal of Petroleum.
3. Journal of Scientific Research in Science.
4. Iben Sina Journal for Heterocyclic compounds.

Professional Societies:

1. Egyptian representative for the International Union of Pure and Applied Chemistry (IUPAC - Chemistry & Environment since 2007), Titular Member from Jan 2018 -2019 , NR 2020-2023 ,and NR(CHEMRAWN committee) **2009-2021**.
2. President of the National Committee of Pure and Applied Chemistry, Academy of Scientific Research and Technology, Egypt, President from 2013- 2018, and Member2019-2022, Prisedent from **2022- 2024**.
3. Member of the Egyptian Chemical Society.
4. Member of the Egyptian Society for Heterocyclic Chemistry.
5. Member of the Supreme Council for Professors and Associate Professors Applicants in Chemistry in Egyptian Universities (2013-2017) and reviewer till date.
6. Member of the Egyptian Society of Material Sciences.

7. Member of the Egyptian Society of Polymer Science and Technology.
8. Member of the Developing Countries Organization for Women in Science and Technology. **OWSD**
9. Editor and scientific consultant of Packtech International magazine.
10. Editor in-Chief of Modern Science magazine.
11. Member of the Basic Science Sector Projects for the Development of Academic References Standards of Chemistry in the Egyptian Universities.
12. Member of the Society of Science and Technology Services.
13. Member of the Egyptian Higher Council Consultation for the Chemistry Olympiad for Secondary Schools.
14. Member of the Egyptian Society of Crystallography and its Applications.
15. Member of the European Federation of Biotechnology.
16. Member of Royal Society of Chemistry, membership (from 2009).
17. Member of OWSD - Egypt (The society for Women in Science in Developing Countries – Egypt. National Chapter-Egypt.
18. Member of Nanopaprika.eu - The International NanoScience Community.
29. Member of the [CIQAP] Project – postgraduate sector-Faculty of Women, Ain Shams University.
30. Member in the Scientific Culture Committee in the Higher Council of Culture 2015-2017

Research publications and dissemination

Over 123 published papers in the fields of Applied Organic Chemistry, Environmental Chemistry, Polymers, Drugs, Surfactants, Organometallic chemistry and Nanotechnology and Chemical Education published in International reviewed(Scopus) , National Journals and International conferences(**in English and Arabic**).

Scientific Supervision:

More than **85** M.Sc and Ph.D students (**80% are Women**) graduated under my supervision in Organic and applied organic chemistry (design and synthesis of new organic compounds using heterocyclic compounds and organometallic compounds for applying in the field of drugs (for the treatment of cancer and antimicrobial). Design and fabrications of polymers and biopolymers as membranes or hydrogels and its nanoparticles and nanocomposites for treatment of water pollution, also design and fabrication of composite and nanocomposites for different applications. Preparation of new green surfactants, green corrosion inhibitors, sulfur scavengers and new polymers for solving problems in petroleum sector.

Present research/professional activity:

Research area interest

Fabrication of modified biopolymers derivatives and its nanoderivatives or nanoformulations for different applications (modified biopolymers hydrogels or membranes for water treatments, drugs for the treatment of cancer and antimicrobial drug release and loading .In solving problems in petroleum sector green surfactants, corrosion inhibitors, Preparation of novel green surfactants using simple technology to control pollution in the petroleum sector (and the sector constitutes the most important industrial sectors, which must be addressed by the various types of pollution) problems such as corrosion , oil well drilling fluids additives and bacterial contamination and oil pollution.). Design and synthesis of new organic and organometallic compounds for applying in the field of drugs (for the treatment of cancer and antimicrobial). Nanotechnology (nanoparticles and nanocomposites).

A. Using green catalysis and nanocatalysis for treatment of water contaminated with different aromatic compounds).

B. Design and synthesis of novel polymers for coating and printing ink and insulators.

For Solving Water Pollution.

1. Using of biopolymers for sustainability (for treatment of pollutant water with heavy elements). Concerning to water issue our research group design and synthesis new hydrogels using natural materials eco-friendly to the environment (chitosan and its derivatives and other polymers). Simple technologies rely upon drawn from shrimp shells from the sea or freshwater or other sources, and used as raw material for the preparation of new hydrogels to address water purification from heavy metals. The preliminary results of this study showed promising results. Now manufactured of some membranes in Semi-Industrial Scale preparation for registration and preparation for the placing on the market but it will take time. The results of this research were published in international journals with a high impact factor. The research group still working on preparing new Membranes with new properties.

2. Also chancellor for a variety of scientific projects at Egyptian Universities for water treatment locally and globally and Scientific adviser to the wastewater treatment project for the industrial companies of the Mahalla Elkopra Textile and dyeing in collaboration with chemistry department, Faculty of Science Tanta for treatment of waste water contaminated with dyes.

3. Another interest for my research group design and synthesis of new organic compounds for applying in the field of drugs for the treatment of:

a. Types of harmful bacteria and parasites, and studies have shown in this project that some new materials which have been prepared its effectiveness towards certain types of pathogenic bacteria gram positive and gram negative, which have an effective impact on the eradication of harmful bacteria more than some of the drugs on the market and are currently assessing the toxicity of these compounds and then hold experiments on animals and then approval for clinical trials and approved as a medicine, and the spread of this project enabled the application of nanotechnology to study the impact of using silver emulsions to evaluate the biological activity of the new organic compound.

b. The research team design and prepared new organic materials and their metallic derivatives to assess their effectiveness for different types of cancer cells such as colon cancer cells, one of the most dangerous types and items are not easily treated as well as breast cancer cells. In this research project some of the new metal complexes were evaluated colon and cervix at the Institute of Oncology Cairo University and the results showed that some materials have proved the highest efficiency of the drugs used in the market. 3. Synthesis of eco-friendly hydrogels using nontoxic biopolymers for drug release.

3. For Solving Environmental Problems in Petroleum Sector Another interest for my research group in Egyptian Petroleum Research Institute: Preparation of novel green surfactants using simple technology to control pollution in the petroleum sector (and the sector constitutes the most important industrial sectors, which must be addressed by the various types of pollution) problems such as corrosion, oil well drilling fluids additives and bacterial contamination and oil pollution.

In collaboration with the Institute for Petroleum Research began a project with the Institute of Surface active agents Norman - University of Oklahoma - United States 1994, I prepared materials with surface activity which is not possible to prepare it in Egypt, so far used by the research team in the preparation of demulsifiers corrosion inhibitors in pipelines.

Also synthesis of H₂s scavengers. The research team extended the research process in this area by applying of nanotechnology through the use of emulsion of silver and gold to address the sulfur bacteria. Now EPRI prepare lot of these compounds in industrial scale and sell it in the market as a industrial production of EPRI. Another interest for my research group in National Center for Radiation Research and technology for the preparation of curable surface coating as anticorrosion inhibitors using Gama radiation and electron beam techniques.

Teaching experience

Teaching courses in chemistry : Nano chemistry, Green Chemistry, Polymers, organic chemistry - general chemistry - organometallic chemistry - photochemistry - medicinal chemistry - applied chemistry - environmental organic chemistry - environmental chemistry - environmental sciences) for bachelor's, diploma and master's and Ph.D. students in Egyptian universities, research institutes and Miser International University , also in the United States of America in Arabic and English.

Experience:

1. The author of two books of organic chemistry and practical organic chemistry, for higher education, Science Education Center, Ain Shams University.
2. The author of simplified electronic book on environment for kids. Science Education Center Ain Shams University.
3. The author of educational articles in the field of packaging, plastics as Editor for International packtech magazine.
4. Consultant for many projects of the Egyptian Universities in the Science Education

Interests:

1. Using multimedia computer resources to improve chemistry education.
2. Uses Microscale experiments in lab.
3. Applying Green chemistry concepts in organic lab.
4. Development of chemistry programs in Egyptian Universities.
5. Training project for teachers on uses of multimedia in teaching chemistry.
6. TOT for Professionalization of chemistry for teachers.
7. The author of educational articles in the field of packaging, plastics as Editor for International Packtech Magazine.

Chapters in Book:

1.M. Al-Sabagh, N. Gh. Kandile, R.A. El-Ghazawy and Noor El-Din, M., "Hydrolyzed Fatty Oil Surfactants as Friction Modifiers at W/O Emulsion Interface", Chapter in Tribology Book, Vol (2) Marcel Dekker, **2011**. .A

2.Nadia G. Kandile , Ahmed M. Al-sabagh , M. R. Noor El-Din , David R. K. Harding " Stability of Cutting Fluids Emulsions" Surfactants in Tribology, **3 (2013)** CRC Press.

3.Nadia G Kandile,David Harding” Nanotribology Towards Improved Lubrication for the Control of Friction Using Ionic Liquid Lubricants”, **Surfactants in Tribology, 4,2014**

4.Nadia G Kandile,David Harding” Nanotechnology and Performance Development of Cutting Fluids: The Enhanced Heat Transfer Capabilities of Nanofluids. **Surfactants in Tribology,5,2017, Girma Biresaw, K.L. Mittal**

5.Nanotechnology and Cancer Prevention, Detection and Treatment , Important Facts About Cancer Prevention, **Chapter 3 :pp 13- 47 Nadia Kandile.Publisher : Trafford 2012.**

Books:

1. Systemic Approach to Aromatic Chemistry ,A.F.Fahmy, A.I.Hasem and N.G.Kandile.**Publisher** :Science Education Center, Ain Shams University.(2000)
2. Systemic Approach to Practical Organic Chemistry ,A.F.Fahmy, A.I.Hasem and N.G.Kandile.(2002)

Publisher :Science Education Center, Ain Shams University.

List of Publications:

- 1- **Nadia G. Kandile**, Marwa ElS. Ahmed, Mansoura I. Mohamed, Hemat M. Mohamed Therapeutic applications of sustainable new chitosan derivatives and its nanocomposites: Fabrication and characterization, **International Journal of Biological Macromolecules (2023) 127855**
- 2- **Nadia G. Kandile**, Rana A. Elzamly, Mansoura I. Mohamed, Howida T. Zaky, David R.K. Harding, Hemat M. Mohamed ,New sustainable antimicrobial chitosan hydrogels based on sulfonamides and its nanocomposites: Fabrication and characterization ,**International Journal of Biological Macromolecules 239 (2023) 124280.**
- 3- Mai Ali, Mansoura I. Mohamed, Azza T. Taher, Sara H. Mahmoud, Ahmed Mostafa, Farag F. Sherbiny, **Nadia G. Kandile**, Hemat M. Mohamed. New Potential Anti-SARS-CoV-2 and Anti-cancer Therapies of Chitosan Derivatives and its Nanoparticles: Preparation and Characterization.,**Arabian Journal of Chemistry 16 (2023) 104676.**
- 4- Mai Ali, **Nadia G. Kandile**, Mansoura I. Mohamed, Azza T. Taher, and Hemat M. Mohamed. Fabrication of Modified Chitosan with Furanone Derivatives and its Nanocomposites: Synthesis, Characterization and Evaluation as Anticancer Agents. **Egyptian Journal of Chemistry 66(10) (2023) 269 – 281**
- 5- Ahmad A. Amin, Hesham M. Salah, **Nadia G. Kandile**, Fabrication and Evaluation of New Multi-Purpose Grease Using Local Raw Materials **Egyptian Journal of Chemistry 66(13) (2023)1033-1041**
- 6- **Nadia G. Kandile**, Abir S. Nasr. Poly(vinyl alcohol) membranes-inspired heterocyclic compounds for different applications: synthesis and characterization. **Polymer Bulletin 80 (2023) 2367-2387**
- 7- Taghreed H. Abdalla, Abir S. Nasr, Ghada Bassioni, David R. Harding, **Nadia G. Kandile**. Fabrication of sustainable hydrogels-based chitosan Schiff base and their potential applications. **Arabian Journal of Chemistry (2022) 15, 103511.**

8. Mayar Mostafa , **Nadia G. Kandile** , Mahmoud K. Mahmoud , Hassan M. Ibrahim , Synthesis and characterization of polystyrene with embedded silver nanoparticle nanofibers to utilize as antibacterial and wound healing biomaterials, **Heliyon 8 (2022) e08772**
- 9- Shima Kh. Farouk, Abir S. Nasr, Howida T. Zaky, **Nadia G. Kandile**. Modified Chitosan Hydrogels and Nano Hydrogels for Congo Red Removal from Aqueous System. **Journal of Scientific Research in Science 2021, 38, (1): 91-117.**
- 10- Taghreed H. Abdalla, Abir S. Nasr, Ghada Bassiuni, David R. Harding, **Nadia G. Kandile**. New modified chitosan composites and nanocomposites for different Applications. **Journal of Scientific Research in Science 2021, 38, (1): 187-209.**
- 11- **Nadia G. Kandile**, Hemat M. Mohamed. New chitosan derivatives inspired on heterocyclic anhydride of potential bioactive for medical applications. **International Journal of Biological Macromolecules 182 (2021) 1543–1553.**
- 12- **Nadia G. Kandile**, Mansoura I. Mohamed, Howida T. Zaky, Abir S. Nasr, Yassmin G. Ali. Quinoline anhydride derivatives cross-linked chitosan hydrogels for potential use in biomedical and metal ions adsorption. **Polymer Bulletin, 2021**
- 13- Rana A. Elzamy, Hemat M. Mohamed, Mansoura I. Mohamed, Howida T. Zaky , David R.K. Harding, **Nadia G. Kandile**. New sustainable chemically modified chitosan derivatives for different applications: Synthesis and characterization. **Arabian Journal of Chemistry (2021) 14, 103255.**
- 14- Hossein Etemadi, Jenna K. Buchanan, **Nadia G. Kandile**, Paul G. Plieger. Oxide Nanoparticles: Physicochemical Characteristics and Historical Developments to Commercialization for Potential Technological Applications. **American Chemical Society Biomaterials Science & Engineering, (2021),7, 5432–5450.**
- 15- **Nadia G. Kandile**, Hemat M. Mohamed, Abir S. Nasr. Novel hydrazinocurcumin derivative loaded chitosan, ZnO, and Au nanoparticles formulations for drug release and cell cytotoxicity. **International Journal of Biological Macromolecules 158 (2020) 1216–1226.**
- 16- Marwa ElS. Ahmed, Hemat M. Mohamed, Mansoura I. Mohamed, **Nadia G. Kandile** Sustainable antimicrobial modified chitosan and its nanoparticles hydrogels: Synthesis and characterization. **International Journal of Biological Macromolecules 162 (2020) 1388–1397.**
- 17- Wael Talaat, Smriti Aryal AC, Sausan Al Kawas, AB Rani Samsudin, **Nadia G Kandile**, David RK Harding, Mohamed M Ghoneim, Waleed Zeiada, Jayalakshmi Jagal, Ahmed Aboelnaga, Mohamed Haider Nanoscale Thermosensitive Hydrogel Scaffolds Promote the Chondrogenic Differentiation of Dental Pulp Stem and Progenitor Cells: A Minimally Invasive

Approach for Cartilage Regeneration. **International Journal of Nanomedicine** (2020),15, 7775–7789.

18- H.M. Ibrahim, M. Mostafa, **N.G. Kandile**, Potential use of N-carboxyethylchitosan in biomedical applications: Preparation, characterization, biological properties. **International Journal of Biological Macromolecules** 149 (2020) 664–671.

19- **NG Kandile**, HM Mohamed, Chitosan nanoparticle hydrogel based sebacoyl moiety with remarkable capability for metal ion removal from aqueous systems, **International journal of biological macromolecules** 122, 578-586(2019)

20- **Nadia G. Kandile**, Howida T. Zaky, Mansoura I. Mohamed, Abir S. Nasr, Yassmin G. Ali, Extraction and Characterization of Chitosan from Shrimp Shells, **Open Journal of Organic Polymer Material**,8,33-42, (2018).

21- **N.G. Kandile**, AM Badawi, SM Solyman, AS Afify;Oxidation of p-toluic acid to terephthalic acid via a bromine-free process using nano manganese and manganese–copper mixed oxides,MA Betiha, **New Journal of Chemistry (RCS)** 42 (8), 6343-6353, (2018)

22- **N.G. Kandile**, HM Salah, Eco-friendly Multifunction Petroleum Additives: Preparation, Characterization and Evaluation.HF Abo-Hatab, **Tribology in Industry** 40 (1)(2018).

23- Rana A. Elzamy Howida T. Zaky, **Nadia G. Kandile**, Simple and Efficient Methods for the Synthesis of New Biologically Active Heterocycles. **Journal of Scientific Research in Science**,,vol 33(1),463-488 (2018).

24- David RK Harding¹, Arka Gupta¹, Preet Singh¹, Catherine Whitby¹, Bill Pomroy and **Nadia G. Kandile**, Condensed tannin from bioactive plants: A potential solution for killing nematodes as a novel anthelmintic to tackle anthelmintic resistance problems in **New Zealand**,**Med Chem (Los Angeles)** vol 8,(2018).

25- Diane Purchase, Lieselot Bisschop, Christian Ekberg, Petr Fedotov, Hemda Garelick, **Nadia G Kandile**, Rafael Luque, Oluseun Popoola, Heniz Rüdél, Angela Serpe, Kirankumar Surati, Benjamin P Wilson, Global approaches to environmental exposure-assessment of e-wastes,**SETAK,Europe,28 Meeting,Rome,13-17 May ,(2018)**

- 26- **Nadia G. Kandile**, Mansoura I. Mohamed, Hind M. Ismaeel., Synthesis of new Schiff bases bearing 1,2,4-triazole, thiazolidine and chloroazetidone moieties and their pharmacological evaluation, **Journal of Enzyme Inhibition and Medicinal Chemistry**. vol. **32**, (1), **119–129**,(2017).
- 27- **Nadia G. Kandile**, Mansoura I. Mohamed and Howida T. Zaky. Synthesis and Antimicrobial Activity of 1, 3, 4-Oxadiazole-2(3H)-thione and Azidomethanone Derivatives Based on Quinoline-4-Carbohydrazide Derivatives, **Journal of Heterocyclic Chemistry**, **54**, **35** (2017).
- 28- Nadia A. Yossif, **Nadia G. Kandile**, Mohamed A. Abdelazizb, Nabel A. Negm, Preparation and characterization of polymeric dispersants based on vegetable oils for printing ink application, **Progress in Organic Coatings** **111** , **354–360** (2017).
- 29- ImanKavianinia,Paul G.Plieger,Nicholas Cave,GayathriGopakumar, Magdalena Dunowska, **Nadia G.Kandile**, David R.K.Harding,Design and evaluation of a novel chitosan-based system for colon-specific drug delivery, **International Journal of Biological Macromolecules**, (85) **2539-546** (2016).
- 30- Talaat,W.M,Haider,M.,AlKawas,S.,**Kandile,N.**,Harding,D.R.K,Chitosan-Based Thermosensitive Hydrogel for Controlled Drug Delivery to the Temporomandibular Joint. **The Journal of Craniofacial Surgery** , **27**, (3), **735 -470**(2016)
- 31- A. M. Motawie, N. A. Mansour, **N. G. Kandile**, S. L. Abd-El-Messieh, S. M. El-Mesallamy, E. M. Sadek,Study on the Properties of Carbon Reinforced Unsaturated Thermoset Polyester Resin Nanocomposites. **Australian Journal of Basic and Applied Sciences**, **10**(1), **37-47**(2016).
- 32- A.M. Al-Sabagh, **N.G. Kandile**, R.A. El-Ghazawy, M.R. Noor El-Din, E.A. El-sharaky , Solution properties of hydrophobically modified polyacrylamides and their potential use for polymer flooding application, **Egyptian Journal of Petroleum**, Vol **25** (4), **433-444**(2016).
- 33- Iman Kavianinia,Paul G.Plieger,**Nadia G.Kandile**, David R.K.Harding, Preparation and characterization of an amphoteric chitosan derivative employing trimellitic anhydride chloride and its potential for colon targeted drug delivery system, **Materials Today Communications** **3**, **78-86** (2015).
- 34- I Kavianinia, PG Plieger, **NG Kandile**, DRK Harding,Preparation and characterization of chitosan films, crosslinked with symmetric aromatic dianhydrides to achieve enhanced thermal properties, **Polymer International** **64** (4), **556-562**(2015)
- 35- **Nadia G. Kandile**, Hemat M. Mohamed, Mansoura I. Mohamed,New heterocycle modified chitosan adsorbent for metal ions (II) removal from aqueous systems. **International Journal of Biological Macromolecules** **72**, **110–116** (2015).

- 36- **Nadia G. Kandile**, Mansoura I. Mohamed, Hind M. Ismaeel, Synthesis and in vitro biological evaluation of new heterocycles based on the indole moiety, **Journal of Enzyme Inhibition and Medicinal Chemistry**, Vol. 30, (1), 140-151(2015).
- 37- A. M. Al-Sabagh , **N. Gh. Kandile** , N. M. Naser, Olfat E. El-Azabawy¹, Amira E. ElTabey "Investigation of Electro and quantum chemical properties of some Novel cationic Surfactants Based on 1, 3, 5-Triethanolhexahydro-1, 3, 5-Triazine as Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid" **Journal of Chemical Engineering Communication** , 202:1335-1348, 2015.
- 38- Howida T. Zaky, Mansoura I. Mohamed, **Nadia G. Kandile**, Efficient synthesis of new oxindol -based heterocyclic entities via indolin-2- one derivatives., **Arabian Journal of Chemistry**, 7, 630–638 (2014).
- 39- **Nadia G Kandile**,Taha M.A.Razek,Ahmed M.Al-Sabagh,Maamoun M TKhattab,Synthesis and evaluation of some amine compounds having surface active properties as H₂S scavenger, **Egyptian Journal of Petroleum**, vol 23(30),323-329(2014).
- 40- ImanKavianinia,Paul G.Plieger,Nadia G.Kandile,David R.K.Harding, In vitro evaluation of spray-dried chitosan microspheres crosslinked with pyromellitic dianhydride for oral colon-specific delivery of protein drugs, **Journal of Applied Polymer Science**, Vol 131, (15), (2014).
- 41- A.M. Al-Sabagh, **N.G. Kandile** , R.A. El-Ghazawy , M.R. Noor El-Din ,E.A. El-sharaky. Synthesis and characterization of high molecular weight hydrophobically modified polyacrylamide nanolatexes using novel nonionic polymerizable surfactants, **Egyptian Journal of Petroleum** 22, 531–538(2013)
- 42- Al-Sabagh A. M., **Nadia G. Kandile**, Rasha A. El-Ghazawy and M. R.Noor El-Din, Synthesis and Evaluation of New Demulsifiers Incorporating Linear Alkyl Benzene Moiety for Treating Water-in-Oil Emulsion, **J. of Dispersion Science and Technology**, 34 (2013) 996-1007.
- 43- Hamida Y.Mostafa , Ebaa A. El-Shamy, Amal S. Farag ,**Nadia G. Kandile** Solvent refining of heavy wax distillate for the removal of carcinogenic compounds. **Egyptian Journal of Petroleum** 22, 471–479(2013)
- 44- Al-Sabagh A. M., **Nadia G. Kandile**, Rasha A. El-Ghazawy and M. R.Noor El-Din.Synthesis and evaluation of new demulsifiers incorporating linear alkyl benzene moiety for treating water-in-oil emulsion , **Journal of Dispersion Science and Technology** ,34;996-1007,(2013).
- 45- N. Y. Abou-Zied , A. I. Waly , **N. G. Kandile** , A. A. Rushdy ,M.A. EL-Sheikh and H. M. Ibrahim,Carboxymethylchitosan / viscose blended films: Perparation, characterization and antibacterial properties. **Journal of Materials Science and Engineering with Advanced Technology** , 7, (2), 93-123(2013).
- 46- A.M. Al-Sabagh, **N.G. Kandile**, N.M. Nasser, M.R. Mishrif, Amira E. El-Tabey. Novel surfactants incorporated with 1,3,5-triethanolhexahydro-1,3,5-triazine moiety as corrosion

- inhibitors for carbon steel in hydrochloric acid:Electrochemical and quantum chemical investigations. **Egyptian Journal of Petroleum** **22**, 351–365(2013).
- 47- W.Kordel,H.Garelick,B.M.Gawlik,**N.G.Kandile**,W.J.G.M.Peijnenburg and H.Rudel ,Substance-related environmental monitoring strategies regarding soil, groundwater and surface water-an overview. **Environmental Science and Pollution Research**,(2013).
- 48- **Nadia G. Kandile** , Howida T. Zaky ,Yassmeen G.Saleh, , Synthesis of a new class of antimicrobial agents incorporating the indolin-2-one moiety, **Journal of Enzyme Inhibition and Medicinal Chemistry**, **28(4): 853–862 (2013)**.
- 49- **Nadia G. Kandile** , Howida T. Zaky ,Mansoura I.Mohamed, Microwave-assisted synthesis of antimicrobial agents based on pyridazine moiety, **Journal of Enzyme Inhibition and Medicinal Chemistry**, **28(6): 1307–1315 (2013)**.
- 50- Iman Kavianiinia, Paul G Plieger, **Nadia G Kandile** and David RK Harding, New hydrogels based on symmetrical aromatic anhydrides: synthesis, haracterization and metal ion adsorption evaluation, **Carbohydrate Polymer**, **87** ,881– 893 (2012).
- 51- **Nadia G. Kandile**, Howida T. Zaky, Mansoura I. Mohamed, Hind M. Ismaeel , and Nashwa A. **Ahmed**.Synthesis, characterization and in vitroantimicrobial evaluation of new compounds incorporating oxindole nucleus. **Journal of Enzyme Inhibition and Medicinal Chemistry**, **27(4): 599–608(2012)**
- 52- Nabel A. Negm, **Nadia G. Kandile**, Emad A. Badr, Mohammed A. Mohammed,Gravimetric and electrochemical evaluation of environmentally friendly nonionic corrosion inhibitors for carbon steel in 1 M HCl, **Corrosion Science** **65**,94-103(2012).
- 53- Iman Kavianiinia, Paul G Plieger, **Nadia G Kandile** and David RK Harding, Fixed-bed column studies on a modified chitosan hydrogel for detoxification of copper (II) from aqueous solutions, **Carbohydrate Polymer**, **90(2):875-86(2012)**.
- 54- Heba A. Mohamed,Mervat S. Ibrahim, **Nadia G. Kandile**, Hossam M. Said, Issa M. Mohamed, Aromatic Amine-Epoxidized Sunflower Free-Fatty-Acid Adducts as Corrosion Inhibitors in Epoxy-Curable Varnishes, **Journal of Applied Polymer Science**,**Vol.124(3),2007–2015 (2012)**.
- 55- Fatma Z. Yehia, **Nadia G.kandile**, Abdelfatah M. Badawi, Amr H. Mady,Glutamic Acid Modified Fenton System for Degradation of BTEX Contamination, **Clean – Soil, Air, Water**, **40, (7) 673–772 (2012)**
- 56- **Nadia G. Kandile** , Mansoura I.Mohamed , and Hind M.Ismaeel , Antiproliferative effects of metal complexes of new isatin hydrazones against HCT116 , MCF7 and HELA tumor cell lines, **Journal of Enzyme Inhibition and Medicinal Chemistry**, **Vol. 27, No. 3 , 330-338 (2012)**.

57- Al-Sabagh A. M., **Nadia G. Kandile**, Rasha A. El -Ghazawy, M. R.Noor El-Din and E.A.El-sharaky .Novel Polymerizable Nonionic Surfactants (Surfmers) Corporate with Alkenylsuccinic Anhydride: Synthesis **Surface and Thermodynamic Properties**”, **JDST33:1458-1469.(2012)**.

58- A. Badawi A. Al-Sabagh, **N.G. Kandile** · D. Abdelkader · S.A. Shaban
On the chemoprevention of petroleum induced carcinogenesis., **Egyptian Journal of Chemistry** **55(4):321-338(2012)**.

59- **Nadia G. Kandile** and Abir S. Nasr.,New polyamides and polyesteramides incorporated with bis(carboxy-substituted) hydrazines: synthesis and characterization, , **Journal of Applied Polymer Science** Vol. **122**, **1152–1161(2011)** .

60- Mervat S.Ibrahim, Heba A. Mohamed, **Nadia G. Kandile**, Hossam M. Said and Issa M. Mohamed, Electron beam processed plasticized epoxy coatings for surface protection , **Materials Chemistry and Physics**, **130** ,**237– 242(2011)**.

61- Nabel A.Negm, **Nadia G.Kandile**, MohamedA.Mohamed, Synthesis and characterization and surface activity of new eco-friendly Schiff bases vanillin derived cationic surfactants, **Journal of Surfactants and Detergents**, **325-331(2011)**.

62- Ahmed M. Al-Sabagh, **Nadia G. Kandile**, and Mahmoud R. Noor El-Din Functions of Demulsifiers in the Petroleum Industry, , **Separation Science and Technology**, **46**,**1–20 (2011)**.

63- N.A. Negm, **N.G. Kandile**, I.A. Aiad, M.A. Mohammad New eco-friendly cationic surfactants: Synthesis, characterization and applicability as corrosion inhibitors for carbon steel in 1 N HCl, , **Colloids and Surfaces A: Physicochem. Eng. Aspects** **391**,**224-233 (2011)**.

64- E. M. S. Azzam , **N. G. Kandile** , A. M. Badawi and R. M. Sami Influence in the Surface Activity for Some Cationic Thiol Surfactants Using Their Nanostructures, , **J. of Dispersion Science and Technology**, **32**:**1325-1331(2011)**.

65- A.M. Al-Sabagh , **N.G. Kandile** , O. Ramadan , N.M. Amer ,R. Mansour , E.A. Khamis Novel cationic surfactants from fatty acids and their corrosion inhibition efficiency for carbon steel pipelines in 1 M HCl, Egyptian Journal of Petroleum, , **Egyptian Journal of Petroleum**, **20**, **47–57** ,(2011). (Elsevier)

66- **Nadia G. Kandile**, Abir S. Nasr, Hydrogels based on a three component system with potential for leaching metals, **Carbohydrate Polymers** **85**, **120–128 (2011)**.

67- A.M Al – Sabagh., N.M. Nasser, **N. Gh Kandile**, Effect of Chemical Structure on Cloud Point of A New Family of Surfactant Based on Bisphenols,**Egyptian Journal of Petroleum**, **20**, **59–66,(2011)** (Elsevier) .

- 68- A.M. Al-Sabagh, **N. Gh. Kandile**, N. R. El-Ghazawy, and Mahmoud R. Noor El-Din ,Synthesis and evaluation of new demulsifiers based on bisphenols for treating water-in-crude oil emulsion" ,**Egyptian Journal of Petroleum (2011) 20, 67–77,(2011) (Elsevier)**
- 69- N.Y. Abou-Zeid, A.I.Waly, **N.G.Kandile**, A.A.Rushdy, M.A.El-Sheikha, H.M.Ibrahim,Preparation, characterization and antibacterial properties of cyanoethylchitosan/cellulose acetate polymer blended films, **Carbohydrate Polymers 84 ,223–230 (2011).**
- 70- **N.G. Kandile**, Howida T. Zaky, Mansoura I. Mohamed, and Hemat M. Mohamed,Silver Nanoparticles Effect on Antimicrobial and Antifungal Activity of New Heterocycles, **Bulletin of the Korean Chemical Society 31(12), 3530- 3537(2010)**
- 71- Rasha A. El-Ghazawy, Ahmed M. Al-Sabagh, **N.G. Kandile**, Mahmoud R. Noor El-Din,Synthesis and Preliminary Demulsification Efficiency Evaluation of New Demulsifiers Based on Fatty Oils, **Journal of Dispersion Science Technology. 31(10) 1423-1431(2010).**
- 72- A.M. Al-Sabagh , D.R.K. Harding, **N.G. Kandile**, A.M. Badawi and A.E. El- Tabey,Synthesis of Some Novel Nonionic Ethoxylated Surfactants Based On Amino Acids and Investigation their Surface Active Properties., **Journal of Dispersion Science Technology., 30, 427-438(2009).**
- 73- **N.G. Kandile**, M.I. Mohamed, H. Zaky, H.M. Mohamed,Novel pyridazine derivatives: Synthesis and antimicrobial activity evaluation.**European Journal of Medicinal Chemistry 44, 1989-1996(2009).**
- 74- **N.G. Kandile**, M.I. Mohamed, H.T., A.S. Nasr, E-M Abdel-Bary Synthesis and properties of chitosan hydrogels modified with heterocycles., **Carbohydrate Polymers. 75, 580-585(2009).**
- 75- **N.G. Kandile**, A.S. Nasr,Environment friendly modified chitosan hydrogels as a matrix for adsorption of metal ions, synthesis and characterization.,**Carbohydrate Polymer. 78, 753-759(2009).**
- 76- A.M. Al Sabagh, N.M. Nasser, **N.G. Kandile**, M.A. Migahed, A New Family of Surfactants: Part 1: Synthesis of ethoxylated monoalkyl bisphenyls and their investigation as corrosion Inhibitors. **Journal Dispersion Science Technology. 29, 161-170(2008).**
- 77- N.M. Abunada, Hamdi M. Hassaneen, **N.G. Kandile**, O.A. Miqdad Synthesis and biological activity of some new pyrazoline and pyrrolo[3,4-c]pyrazole-4,6-dione derivatives: Reaction of nitrilimines with some dipolarophiles., **Molecules.13 1011-1024(2008).**
- 68- A.M. Al-Sabagh, **N. Gh. Kandile**, N. R. El-Ghazawy, and Mahmoud R. Noor El-Din ,Synthesis and evaluation of new demulsifiers based on bisphenols for treating water-in-crude oil emulsion" ,**Egyptian Journal of Petroleum (2011) 20, 67–77,(2011) (Elsevier)**
- 69- N.Y. Abou-Zeid, A.I.Waly, **N.G.Kandile**, A.A.Rushdy, M.A.El-Sheikha, H.M.Ibrahim,Preparation, characterization and antibacterial properties of

cianoethylchitosan/cellulose acetate polymer blended films, **Carbohydrate Polymers** **84** ,223–230 (2011).

70- **N.G. Kandile**, Howida T. Zaky, Mansoura I. Mohamed, and Hemat M. Mohamed, Silver Nanoparticles Effect on Antimicrobial and Antifungal Activity of New Heterocycles, **Bulletin of the Korean Chemical Society** **31(12)**, 3530- 3537(2010)

71- Rasha A. El-Ghazawy, Ahmed M. Al-Sabagh, **N.G. Kandile**, Mahmoud R. Noor El-Din, Synthesis and Preliminary Demulsification Efficiency Evaluation of New Demulsifiers Based on Fatty Oils, **Journal of Dispersion Science Technology**. **31(10)** 1423-1431(2010).

72- A.M. Al-Sabagh , D.R.K. Harding, **N.G. Kandile**, A.M. Badawi and A.E. El- Tabey, Synthesis of Some Novel Nonionic Ethoxylated Surfactants Based On Amino Acids and Investigation their Surface Active Properties., **Journal of Dispersion Science Technology.**, **30**, 427-438(2009).

73- **N.G. Kandile**, M.I. Mohamed, H. Zaky, H.M. Mohamed, Novel pyridazine derivatives: Synthesis and antimicrobial activity evaluation. **European Journal of Medicinal Chemistry** **44**, 1989-1996(2009).

74- **N.G. Kandile**, M.I. Mohamed, H.T., A.S. Nasr, E-M Abdel-Bary Synthesis and properties of chitosan hydrogels modified with heterocycles., **Carbohydrate Polymers**. **75**, 580-585(2009).

75- **N.G. Kandile**, A.S. Nasr, Environment friendly modified chitosan hydrogels as a matrix for adsorption of metal ions, synthesis and characterization., **Carbohydrate Polymer**. **78**, 753-759(2009).

76- A.M. Al Sabagh, N.M. Nasser, **N.G. Kandile**, M.A, Migahed, A New Family of Surfactants: Part 1: Synthesis of ethoxylated monoalkyl bisphenyls and their investigation as corrosion Inhibitors. **Journal Dispersion Science Technology**. **29**, 161-170(2008).

77- N.M. Abunada, Hamdi M. Hassaneen, **N.G. Kandile**, O.A. Miqdad Synthesis and biological activity of some new pyrazoline and pyrrolo[3,4-c]pyrazole-4,6-dione derivatives: Reaction of nitrilimines with some dipolarophiles., **Molecules**. **13** 1011-1024(2008).

78- N.M. Abunada, H.M. Hassaneen, **N.G. Kandile**, O.A. Miqdad, Synthesis and antimicrobial activity of some new pyrazole fused pyrazolo[3,4-d]-pyrimidine and pyrazolo[4,3-e][1,2,4]-triazolo[1,5-c]pyrimidine derivatives, **Molecules**. **13**, 1501-1517(2008).

79- **N.G. Kandile**, D.R. Harding, M.I. Mohamed, H.T. Zaky, H. Mahmoud, Antitumor activity of cobalt and copper oxindole derivatives. **Metal Ions in Biology and Medicine, John Libbey, Eurotext, Paris**. **10**, 116-120(2008).

80- Elgazwy, Abdel-Sattar S. Hamad; Zaky, Howida T.; Mohamed, Mansoura I.; **Nadia G Kandile** 2(3H)-furanones as synthons for polyamides of 1,3-diazines and 1,3,5-triazines., **ARKIVOC**, (10), 162-172(2006).

- 81- M.Z.Mohamed,E.A.Ghazy,A.M.Badawi,and **N.G.Kandile**, Synthesis and Some Studies on Fluorinated Cationic Surfactants ; Surface and Biocidal Activities, **J.Surfactants and Detergents,8,2,181-185 (2005) .**
- 82- M.I.Mohamed,H.T.Zaky, H.M.Mohamed and **N.G.Kandile**,Novel Heterocyclic Systems of Pyridazine, M.I.Mohamed,H.T.Zaky, H.M.Mohamed and **N.G.Kandile**, **Afinidad, Vol.62,No.515,48-56 (2005).**
- 83- Synthesis of Nitrogenous Heterocycles Derived from Pyridazinones, **Nadia G. Kandile**,H. T. Zaky, and M. I. Mohamed, **Bulgarian Chem. Comm..Vol. 35,N0. 4,252 (2004).**
- 84- H. T. Zaky, M. Soliman and **Nadia . G. Kandile**.Novel Pyrimidine Derivatives for Drug Design., , **Egypt J. Chem. ,47,No.3,p283(2004).**
- 85- H. T. Zaky, M. I. Mohamed, A. M. Nail and **Nadia G. Kandile**, Synthesis of Biologically Active of Some Novel Sulphonamides., **Egypt J. Chem., 47,No.3,321(2004).**
- 86- Mansoura I.Mohamed .; Howida T Zaky.; **Nadia G Kandile** Novel synthesis and antibacterial activity of some pyridazine derivatives, **Journal of the Chinese Chemical Society 51(5A), 963-968(2004).**
- 87-A. A. Hafiz, A. M. Badawi, **Nadia G. Kandile**. M. I. Abdou, and M. M. Dardeir Synthesis and Evaluation of Polyglycerol Monooleates For Oil-Base Muds, , **Egyptian J. of Petroleum, 1, (14) (2004) .**
- 88- M.I.Mohamed,H.T.Zaky,**N.G.Kandile**,Synthesis of nitrogenous heterocycles derived from pyridazinones , **Bulgarian Chemical Communications,35(40)252-258(2003)**
- 89- **N. G. Kandile**, H. T. Zaky, M. I. Mohamed and A. S. Hamad Furanones Bearing Indol Nuclei into Novel Amide, Pyrolone and imidazol of Derivatives., **Heteroatom Chem.,14(5),434(2003).**
- 90- Reactivity of Pynidazin – 3(2H)- Thiones.**Heteroatom Chem, 14(4)334-341(2003).**
- 91- **Nadia G. Kandile**, Mohamed I. El-Smra, Mohamed M. S. Ahmed, Alia A. El Shimy, Khalid M. El-Moselhy and Tark M. Massoud Study on the Sewage Water Characteristics of Ataka power Station, Suez, Egypt, , **J. Envir. Science, Institute of Environmental Studies and Research ,(5),No.1,27-39(2002).**
- 92- Ferwanah, Abdel-Rahman S.; **Kandile, Nadia G.**; Awadallah Reaction of nitrilimines with cycloalkanone oximes. II. Synthesis of substituted heterocyclic. spiro compounds, Adel M.; Miqdad, Omar A, **Synthetic Communications , 32(13), 2017-2025 (2002).**
- 93- A.I. Sabagh, A.M., **N.G. Kandil**, Badawi, A.M., El-Sharkawy, Surface activity and thermodynamics of micellization and adsorption for isooctylphenol ethoxylates, phosphate esters and their mixtures with N-diethoxylated perfluorooctanamide. **Colloids and Surfaces, A: Physicochemical and Engineering Aspects. 170(2-3), 127-136(2000).**

- 94- **N. G. Kandile**, M. I. Mohamed, H. T. Zaky and M. Soliman. Synthesis of New 4, 6-Disubstituted Pyridazin-3 (2H)-Ones with Expected Biological Activity, , **Tinctoria (Italy) No. 3, 40, 49 (1996)**.
- 95- **Nadia G. Kandile** and Wasfy N. Wassef., Synthesis and Cleavage Reactions of Araldehyde Hydrazones With Some Nucleophiles, **Ain Shams University Women's College for Arts, Science and Education, Ann. Rev., Vol. (16) 2, 85 (1991)**.
- 96- **Naida G. Kandile** and M. F. Ismail., N-Aminophthalimide as Precursor for 4-Arylphtalaz-1-Ones, **Acta Chim. Hung 128 (2) 25, (1991)**.
- 97- W. I. Awad, **N. G. Kandile**, W. N. Wassef and F. El-Tohamy. The Wittig Olefination Reaction with Carbonyl Compounds., **Ain Shams University Women's, Ann. Rev., Vol. 16, 2/2 852 (1991)**.
- 98- **Nadia G. Kandile**, Tahia M. Abdel-Latif and Wafaa A. El-Sayed Synthesis and Some Reactions of 4-[N-Acetyloxindolylidene]-2-Aryl-5(4H) Oxazolones Part (II)., , **Rev. Roum . Chim, 36, 1-3, 245 (1991)**.
- 99- **Nadia G. Kandile** and E. A. Ahmed Synthesis of Some New Pyridazinones..., **Acta Chim. Hung., 127, (6), 899 (1990)**.
- 100- W.E. Awad, **N.G. Kandile**, W.N. Wassef, F.A. Tohamy. Charge-transfer complexes with trivalent phosphorus compounds. Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy 46A(8), 1163-7(1990).
- 101- **N.G. Kandile**, Synthesis and behavior of N-naphthylmethyleneaminophthalimides toward nucleophilic reagents., **Acta Chimica Hungarica 126(4), 533-538(1989)**.
- 102- M. Fekry Ismail and **N. G .Kandile**., Reaction of 4-Arylmethylene-2-Phenyl-2-Oxazolin-5-Ones With Schiff Bases and Benzalazine., **Asian J. Chem., 1, 254 (1989)**.
- 103 - W. I. Awad, **Nadia G. Kandile**, W. N. Wassef and M. I. Mohamed. Synthesis of Some Itaconates Via Wittig Reaction, **J. Parakt. Chem., 331, 3, 405 (1989)**.
- 104- El Sayed, W.A.; Seleim, V.R.; **Kandile, N.G** ; El-Sawi. E.A, Action of Metal Salts on Victoria Blue, **Tinctoria ,88(7),58(1989)**.
- 105- **Nadia G. Kandile**, Synthesis and Behaviour of N-Naphthylmethylene Aminophthalimides Toward Nucleophilic Reagents, **Acta Chim. Hung., 126, (4) 533 (1989)**.
- 106- **N. G. Kandile**, A. A. Soliman and E. A. El-Sawi., Action of Mercuric Acetate on Pyridazine Derivatives., **Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry, 19(8),779_(1989)**.
- 107- **Nadia G. Kandile**, E . A. El-Sawi, V. R. Seliem and M .F. Ismail., Synthesis of 6-Aryl-4(o-Methoxyphenylmethyl) Pyridazines and Some Derivatives., **Acta Chim. Hung.; 125 (4), 631 (1988)**.
- 108- **Nadia G. Kandil**, and T. M. Abdel-Latif , Some Reactions of Enamines., **J. Chem. Soc. Pak., 10 (3), 333 (1988)**.

- 109- E. A. El-Sawi, **N. G. Kandil**, S. M. Shendy and I. Kh. Sayed Effect of Mercuric Salts On Xylenol Orange and Their Halochromic Effect..., **J. Chem. Soc. Pak.**, **10** (4), 397 (1988).
- 110- W. A. El-Sayed, A. Bayazeed and **N. G. Kandile**., Improving the Dyeing Properties of Polyester Fabric Via Vinyl Graft Polymerization., **Ain Shams University Women's College for Arts, Science and Education, Annual Review, Science Section**, **14**, 407 (1988).
- 111- **Nadia G. Kandile**., T M. Abdel-Latif and W. A. Elsayed., Synthesis and Some Reactions of 4-(N-Acetyloxindolylidene-2-Aryl-5 (4H) Oxazolones., **Bulletin of the Faculty of Science, Mansoura University**, **15**(2) 419 (1988).
- 112- E. A. El-Sawi and **Nadia G. Kandile**., A Simple Titrimetric Method for Determination of Aldehydes and Ketones., **Commun. Fac. Sci. Univ. Ankara, Ser B**, **31** 203-208(1985).
- 113- W. I. Awad, **Nadia G. Kandil** and T. M. Abd El-Latif, Reaction of Enamines with Aldehydes, **Commun. Fac. Sci. Univ. Ankara, Ser B Tome 29**, 47 (1983).
- 114- W. I. Awad, **N. G. Kandil** and T. M. Abd El-Latif, Reaction of Enamines with Quinones.. **Commun Fac. Sci. Univ. Ankara, Ser B Tome 29**, 223 (1983).
- 115- E. A. El-Sawi and **Nadia G. Kandile**, Mercuration of N, N' -Biisomaleimide and its Diazide-Derivative., **Commun. Fac. Sci. Univ. Ankara, B Tome 29**, 55 (1983).
- 116- M. F. El-Shahat, E. A. El-Sawi and **Nadia G. Kandile**, Action of Mercuric Acetate on N-Aminophthalimide and its Alkylidene and Arylidene Derivatives., **Commun. Fac. Sci. Univ. Anker, Ser B Tome 29**, 159 (1983).
- 117- W. I. Awad, **Nadia G. Kandile**, and T. M. Abd El-Latif, Reaction of Enamines with o-Quinone Mononitrogenous Derivatives., **Commun. Fac. Sci. Univ. Anker, Ser B Tome 29**, 215 (1983).
- 118- M. F. Ismail and **Nadia G. Kandile**, Cleavage Reactions of N-Arylmethyleneaminophthalimides by Nucleophilic Reagent. **Indian. J. Chem.**, **21** B(5), 462 (1982).
- 118- M. F. Ismail and **N. G. Kandile**, Action of Methylmagnesium iodide and hydrazines on trans- β -2,5-dimethylbenzoyl-N-arylacrylamides., **Egypt. J. Chem.**, **23** (6), 401 (1980).
- 119- W. I. Awad, M. F. Ismail and **N. G. Kandile**, Action of Grignard Reagents on N, N' -Biimides, **Egypt. J. Chem.**, Vol. **19** (5), 761 (1976).
- 120- W. I. Awad, M. F. Ismail and **N. G. Kandile**, Action of Grignard Reagents on N-Alkylidene- and N-Arylmethylene-aminophthalimides, **Aust. J. Chem.**, **28**, 1621 (1975).
- 121- A. M. El-Abbady, M. A. Omara and **N. G. Kandile**, Condensation of β -Aroylpropionic Acids With Isatin Under Perkin Conditions, **Rev. Rou m. Chim.**, **19** (1), 79 (1974).
- 122- A.M.El-Abbady, M.A.Omara and **N.G.Kandil**, γ -Keto Acids In The Pfitzinger Reaction, **Rev.Roum.Chim.**(18),899(1973).