

## Curriculum Vitae

**Prof. Samir Kamel Mohamed Elzayati, Ph.D.**

Head of Cellulose and Paper Department

Vice President of Chemical Industries Research Division (Former)

National Research Centre (NRC), Egypt.



### PERSONAL DETAILS

<b>Surname</b>	Elzayati		
<b>First name</b>	Samir		
<b>Title</b>	Professor of Cellulose Chemistry and Technology		
<b>Gender</b>	Male	<b>Material Status</b>	Married
<b>Date of birth</b>	19 June 1967	<b>Place of Birth</b>	Kalyobiya
<b>Nationality</b>	Egyptian		
<b>E-mail</b>	<a href="mailto:samirki@yahoo.com">samirki@yahoo.com</a>	<b>Mobil/ WhatsApp</b>	002/01098659262
<b>Languages</b>	<b>Arabic</b>   Mother Tongue	<b>English</b>	Very Good
<b>Work Address</b>	Institute of Chemical Industries Research, NRC, Dokki, Cairo, Egypt		
<b>Home Address</b>	37A Iben Snyder St, Elzytoon, Cairo, Egypt.		
<b>iD</b>	<a href="https://orcid.org/0000-0002-7971-4318">https://orcid.org/0000-0002-7971-4318</a>		
<b>Google scholar</b>	<a href="http://scholar.google.co.uk/citations?user=jweCBJIAAAAJ&amp;hl=ar">http://scholar.google.co.uk/citations?user=jweCBJIAAAAJ&amp;hl=ar</a>		

### EDUCATION

Collage	Degree Obtained	Date
Ain Shams University, Egypt	Ph.D. (Chemistry)	1996
Ain Shams University, Egypt	M.Sc. (Chemistry)	1994
Ain Shams University, Egypt	B.Sc. (Chemistry)	1989

### FIELD OF INTEREST

Materials Science;

Cellulose chemistry and technology, biomaterials systems focus on smart materials, nanocomposites, conducting materials, macromolecules, sensors, and hydrogels.

### SCIENTIFIC MISSIONS

1. Grenoble Institute of Technology, Grenoble INP-Pagora, Domaine University, France, 2011.
2. Grenoble Institute of Technology, Grenoble INP-Pagora, Domaine University, France, 2012.
3. ENSTIB-LERMAB, Nancy University, Epinal, France, France, 2012.
4. Huazhong University of Science and Technology (HUST), Wuhan, China, 2013.
5. Huazhong University of Science and Technology (HUST), Wuhan, China, 2015.
6. ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France, 2016.
7. Faculty of Science, University of Jordan, Amman, Jordan, 2016.
8. ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France, 2017.
9. Kuala Lumpur, Malaysia, 2018.
10. Faculty of Science, University of Jordan, Amman, Jordan, 2018.
11. Institute of Macromolecular Chemistry, Czech, 2019.
12. China National Pulp and Paper Research Institute, 2019.
13. ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France, 2019.
14. ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France, 2021.
15. Institute of Macromolecular Chemistry, Czech, 2022.
16. Institute of Plant Biology, Biological Research Center, Szeged, Hungary 2022.
17. Institute of Polymers, Composites and Biomaterials, National Research Council (IPCB-CNR), Naples, Italy, 2022.
18. ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France, 2022.
19. ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France, 2023.

### TRAINING

1. Training Workshop at China National Pulp and Paper Research Institute Co. Ltd. 11/08/2019 - 01/09/2019, China.

- The Sixth Forum for Occupational Safety and Health and Securing the Work Environment - April 3, 2019 - Tabinin Institute for Metallurgical Studies, Egypt.
- Material Control and Accountability Workshop, 6-10 May, 2018, Kuala Lumpur, Malaysia.
- Training Program for Research Leaders 6/5/2015 - 10/6/2015, NRC, Egypt.
- Security Awareness Course for Center Leaders at the Institute of Strategic Sciences 20-25 April 2013, Egypt.

## EMPLOYMENT HISTORY

Employer	Position	Dates (from – to)
NRC, Egypt	Head of Cellulose & Paper Department	18/01/2023 - present
NRC, Egypt	Vice President of Chemical Industries Research Division	08/2012 – 01/2019
NRC, Egypt	Associate Professor, Cellulose & Paper Department	2001 – 2007
Malakand, Pakistan	Foreign Professor, Pharmacy Department	2005 - 2010
Omar El-Mukhtar, Libya	Foreign faculty, Chemistry Department	1999 – 2001
Sabha, Libya	Foreign faculty, Chemistry Department	1996 -1998
NRC, Egypt	Professor, Cellulose & Paper Department	2007 – Present
NRC, Egypt	Researcher, Cellulose & Paper Department	1996 – 2001
NRC, Egypt	Assistant Researcher, Cellulose & Paper Department	1993 – 1996
NRC, Egypt	Researcher Assistant, Cellulose & Paper Department	1990 – 1993

## REWARDS AND PRIZES

Rewards & Prizes	Year
Award of Appreciative (Basic Science Field) National Research Center, Egypt.	2022
Award of Prof. Fardus Mubark (Smart Materials) from Academy of Scientific Research & Technology, Egypt.	2021
Stanford University global list that represents the top 2 % of scientists.	2021
Stanford University global list that represents the top 2 % of scientists.	2020
Stanford University global list that represents the top 2 % of scientists.	2019
Environmental Research, Academy of Scientific Research & Technology, Egypt.	2020
Award of Prof. Yehia Fahmy from Academy of Scientific Research & Technology, Egypt.	2019
Award of Prof. Yehia Fahmy (Cellulose, Paper, and Wood) from National Research Center, Egypt.	2020
Award of Scientific Excellence (Basic Science Field) National Research Center, Egypt.	2013
Award of the President of National Research Center, Egypt.	2012
Within the most Researcher in NRC that have high h-index.	2013

## INTERNATIONAL COLLABORATION

- Memorandum of Understanding (MOU) between National Research Centre (NRC), and ENSTIB-LER Institute Charles Gerhardt, Université Montpellier, France for Scientific and Technical Cooperation.
- Memorandum of Understanding (MOU) between National Research Centre (NRC), and Huazhong University of Science and Technology, Wuhan, China, for Scientific and Technical Cooperation.
- Memorandum of Understanding (MOU) between National Research Centre (NRC), and the Central Administration for Maintenance and Restoration - Projects Sector - Ministry of Tourism and Antiquities, Egypt, for Scientific and Technical Cooperation.

## SCIENTIFIC SUPERVISION

Scientific Supervision for four 8 M.Sc. and 9 Ph.D. (National and International) Theses in:

- Faculty of Engineering and Technology, Gezira University, Sudan.
- Faculty of Archaeology, Cairo University, Egypt.
- Faculty of Engineering, Banah University, Egypt.
- Faculty of Science, Ain Shams University, Egypt.
- Faculty of Science, Helwan University, Egypt.
- Faculty of Archaeology, Fayoum University, Egypt.
- Faculty of Science, Monofia University, Egypt.
- Department of Pharmacy, University of Malakand, Pakistan.
- Department of Organic Chemistry, University of Malakand, Pakistan.
- Faculty of Archaeology, Ain Shams University, Egypt.

## REVIEWER

- Reviewer for project for Misr Elkhair, Egypt.
- Reviewer for projects for STDF, Egypt.
- Reviewer for a position of Foreign Professor under the Foreign Faculty Hiring Program, Pakistan.

- Referee of 9 M.Sc. and Ph.D. Thesis in:

1. Alexandria University, Egypt.
2. Ain Shams University, Egypt.
3. Tanta University, Egypt.
4. University, Egypt.
5. Al-Azhar University, Egypt.
6. Fayoum University, Egypt.
7. Peshawar University, Pakistan.
8. Karyounes University, Libya.

- Reviewer for international scientific journals, for examples;

1. Environmental Chemistry and Ecotoxicology
2. Phosphorus, Sulfur, and Silicon and Related Elements
3. Cellulose Chemistry and Technology
4. EXPRESS Polymer Letters
5. Biological Macromolecules
6. Applied Polymer Science
7. Wood Engineering
8. BioResources
9. Colloid and Interface Science
10. Korean Journal of Chemical Engineering
11. Renewable materials
12. Chemistry Materials Science
13. Composites Part B: Engineering
14. Separation Science and Technology
15. Polish Journal of Chemical Technology
16. Materials Science and Engineering C
17. Mini-Reviews in Medicinal Chemistry
18. Chemical Technology
19. Egyptian Journal of Chemistry

### ESTABLISHMENT OF LABORATORIES

- The establishment of the Central Laboratory of the Chemical Industries Research Division to benefit from its services most of the research workers, NRC, Egypt.

### SOME SCIENTIFIC RELEVANT POSITIONS

Position	Web site	Dates (from – to)
Editorial Board of Polymeric and Composite Materials (specialty section of Frontiers in Materials	<a href="https://loop.frontiersin.org/people/192241/overview">https://loop.frontiersin.org/people/192241/overview</a>	Jun 2021 - Present
Editorial Board of the International Journal of Organic Chemistry	<a href="https://www.scirp.org/journal/detailedInforofeditorialboard.aspx?personid=11515">https://www.scirp.org/journal/detailedInforofeditorialboard.aspx?personid=11515</a>	03/2021- Present
Editorial Board of Egyptian Journal of Chemistry	<a href="http://ejchem.journals.ekb.eg/">http://ejchem.journals.ekb.eg/</a>	01/2017 - Present
Editorial Board of Cellulose Chemistry and Technology Journal	<a href="http://www.cellulosechemtechnol.ro/index.php">http://www.cellulosechemtechnol.ro/index.php</a>	2011

### SERVICE COMMITTEES

1. Head of the Inventory Committee in the Stores of the NRC since 2015 until now.
2. Member of the committee to amend some provisions of the Syndicate of Scientists, Researchers and Scientists (formerly scientific professions).
3. Member of the Graduate Studies, Records and Research Council at the NRC, January 2018 - January 2019.
4. Chairman of the Scientific Studies and Research Projects Committee of the Division from 2012 - January 2019.
5. Member of the Standing Scientific Committee for Applied Chemistry of Research Centers and Institutes.
6. Member of Egyptian Organization for Standardization and Quality EOS Certification Body from 2015 to date.
7. Member of the Service Unit of the Cellulose and Paper Department, NRC.

### MEMBERSHIPS

1. Member of Academic Council, University of Malakand, Pakistan.
2. Principal member of the Egyptian Syndicate of Scientific Professions.
3. Principal member of the Research Staff Society of the National Research Centre.
4. Member of the Chemical Industries Division Council of the National Research Centre.
5. Secretary General of the Egyptian Society of Polymer Science and Technology.
6. Member of the Egyptian Chemical Society.

## PROJECTS

- Financial Background for Preparation a Project Budget.
- **PI of the Following National and International Projects:**
  1. Preparation and Characterization of Low-Cost Eco-friendly Tiles Based on Waste Rubber/Agro Waste for Multi Applications. STDF, 2022 – 2024.
  2. Self-healing hydrogels based on cellulose. Egypt – France Cooperation, Imhotep Program, 2021 - 2023.
  3. Upgrade of Graphene Oxide/ Cellulose Hydrogels Composites for Water Treatment. Egypt – Czech, 2019 – 2022.
  4. Robust All-Cellulose composite as Packaging Materials. N.R.C. Egypt, 2019 – 2021.
  5. Treatment of groundwater using environment-friendly cellulosic materials. STDF, 2016-2018.
  6. Smart Materials Based on Cellulose Derivatives for renewable energy. Egypt – Jordan, 2016 – 2018.
  7. Novel Functionalized Polysaccharides Silica Hybrid Materials for Medical Application. Egypt – France Cooperation, Imhotep Program, Egypt – France, 2016 - 2018.
  8. Preparation of composites based on functionalized cellulosic fiber characterization, and applications. N.R.C. Egypt, 2016 – 2019.
  9. Evaluation the Morphology Electrical Properties of Conducting Polymer Natural Cellulosic Materials Nanocomposites in Presence of Inorganic Nanostructure Materials. Egypt – China, 2013 – 2015.
  10. Preparation of New Nano-composite From Cellulosic and Synthetic Fibers Used in Packaging. N.R.C. Egypt, 2013 – 2016.
  11. Oil Spill Removal by Biodegradable Adsorbent. Egypt – France Cooperation, Imhotep Program, Egypt – France, 2011 - 2013.
  12. Detoxification of Metal Ions and Organic Compounds in Water Using Modified Agriculture Residues. University of Malakand, Pakistan, 2009- 2010.
  13. Preparation of Cellulose Derivatives Which Used in Pharmaceutical Industry, University of Malakand, Pakistan, 2005 – 2006.
  14. Industrial Applications for Lignocellulosic Materials. N.R.C. Egypt, 2010- 2013.
- **Co-PI and Member of the Following National and International Projects:**
  1. Co-PI of Efficiently Utilizing Agricultural Residues to Produce Renewable Biofuels and Adsorbents for Wastewater Treatment. Egypt – USA Cooperation, 2021 – 2024.
  2. Co-PI of Development of new cellulosic derivatives and their application in medical fields. Egypt – Hungarian Cooperation, 2019 – 2022.
  3. Co-PI of Biowaste-derived Injectable Bionanomaterials Platform for Regenerative Medicine. Egypt – Italy, Cooperation, 2022 – 2024.
  4. Consultant of Stimuli-Responsive Smart Materials from Agricultural Wastes. Egypt – Czech, Cooperation, 2022 – 2024.
  5. Co-PI Cellulose Based Test Strips for Detection of Toxic Gases, STDF, 2019 – 2021.
  6. Co-PI of Biomass-derived carbon allotropes for environmental/ bio-imaging drug delivery applications. Egypt – France Cooperation, Imhotep Program, 2019 - 2021.
  7. The project of the National Alliance for Technology Knowledge under the title of integrated drug technology for research and development. Egypt, 2020 – 2022.
  8. Carbon doped silica for medical application. N.R.C. Egypt, 2016 – 2019.
  9. Fabric electronic-skin and sensors from conductive polymers toward textile-based prosthetics and orthotics. N.R.C. Egypt, 2016 – 2019.
  10. Highly conducting hydrogel nanocomposites: preparation, characterization and solar cell application. N.R.C. Egypt, 2016 – 2019.
  11. New Technique for Blood Re-preservation using Modified Biopolymer with Anticoagulant. N.R.C. Egypt, 2016 – 2019.
  12. Synthesis of advanced bio-based nanocomposites for multi-applications. N.R.C. Egypt, 2016 – 2019.
  13. Economic Products from Cellulosic Wastes. N.R.C. Egypt, 2013 – 2016.
  14. Innovative Materials and Technologies for the Conservation of Paper of Historical, Artistically and Archaeological Value, Union European, 2004 - 2007.
  15. Preparation of Microcrystalline Cellulose from Local Materials, N.R.C. Egypt.
  16. Preparation of Bleached Bagasse Pulp with High Yield, N.R.C. Egypt.
  17. Treatment of Cellulose Materials for Preparation of Cellulose Derivatives. N.R.C. Egypt, 2001-2004.
  18. Using of Agriculture Residue for Production of Composites from Natural Fibers and Synthetic Polymers.

N.R.C. Egypt, 2001-2004.

19. Utilization of Agriculture Residue in Preparation of Ionic-Exchange Resin, N.R.C. Egypt.

## **WORKSHOPS, CONFERENCES AND FORUMS**

Co-chairman of 5<sup>th</sup> International Conference on Advances in Chemistry and Applied Chemistry, October 21-23, 2014, National Research Centre, Dokki, Cairo, Egypt.

### **Participating and Attendance in National and International Conferences and Workshops;**

1. International Conference and Exhibition for Science (ICES2023). February 06-08, 2023, Saudi Arabia.
2. Egyptian 5<sup>th</sup> International Conference in Chemistry (The 25<sup>th</sup> Egyptian Conference in Chemistry) "Chemistry and Global Challenge". 11-14<sup>th</sup> October 2022 – Marsa Alam – Egypt.
3. 15<sup>th</sup> International Conference in Chemistry and its Role in Development. 9-13 August 2021, Egypt.
4. 3<sup>rd</sup> International Conference on Applied Chemistry, ICAC 2019. 23 – 26 October, 2019, Egypt.
5. The Egyptian Fourth International Conference in Chemistry (The 24<sup>th</sup> Egyptian Chemical Conference) Innovation in Chemistry and Future Life. 11-14<sup>th</sup> December 2018 – Marsa Alam – Egypt.
6. IBN SINA ARAB Conference on Heterocyclic Chemistry and its application. (ISACHC) Hurghada, March 30, 2018, Egypt.
7. 13<sup>th</sup> International Conference on Chemistry and its Role in Development (ICCRD' 14), Mansoura – Sharm, 25 – 28 March 2017, Egypt.
8. 5<sup>th</sup> International MT Research Conference: December 27-28, Milan 2017, Italy.
9. 12<sup>th</sup> Arab International Conference on Polymer Science & Technology, Luxor, Egypt 26-29 October, 2015.
10. International Conference on Nano-materials and Nano-devices. December 8-9, 2014 National Research Centre, Cairo, Egypt.
11. 5<sup>th</sup> International Conference on Advances in Chemistry and Applied Chemistry October 21-23, 2014, National Research Centre, Dokki, Cairo, Egypt.
12. 11<sup>th</sup> Arab International Conference on Polymer Science & Technology September 16-19 / 2013, Hurghada, Egypt.
13. 75<sup>th</sup> PMM Conference of Conducting Polymers in Prague, July 10-14, 2011. Czech.
14. 4<sup>th</sup> International Conference of Chemical Industries Research Division 30 Nov – 2 Dec., 2010, National Research Centre, Dokki, Cairo, Egypt.
15. Research, Development and Innovation Programme EU-Egypt Innovation Fund (EEIF) Projects Day. November 30, 2010.
16. Rice Waste Management, Straw-Bran-Husk, Scientific Industrial Solution. National Research Center, Cairo, 22-10-2009. Egypt.
17. 1<sup>st</sup> International Symposium: on Biotechnology; Current Trends 2-4 July, 2008 Department of Biotechnology, University of Malakand, N.W.F.P. Pakistan.
18. 1<sup>st</sup> National Symposium on "Old Plants, New Remedies" Department of Pharmacy, University of Malakand, NWFP. Pakistan. 9-10 June, 2008.
19. 1<sup>st</sup> National Symposium: on Biotechnology; Recent Advances 21-24 May, 2007 Department of Biotechnology, University of Malakand, N.W.F.P. Pakistan.
20. 14<sup>th</sup> IPCE, International Pharmacy Conference and Exhibition. April 5-7/2007 Karachi, Pakistan.
21. 1<sup>st</sup> International Chemistry Conference on Recent Challenges in Chemistry. November 1-3/2006, Faisalabad, Pakistan.
22. 5<sup>th</sup> Egypt-Okrania workshop for Nanotechnology, 2004, Egypt.
23. 7<sup>th</sup> Arab International Conference on Polymer Science & Technology and the 3<sup>rd</sup> Arab Conference on Materials Science (ACMS-III) October 5-9 / 2003, Cairo-Hurghada, Egypt.
24. 5<sup>th</sup> IBN Sinai International Conference Pure and Applied Heterocyclic Chemistry. 9-12 December, 1995, Egypt.

## **TEACHING**

1. Teaching in a training course in the approved standard methods for analyzing solid sulfur ore for employees of El-Nasr Company for Intermediate Chemicals, NRC, November, 2021.
2. Teaching in a training course in the raising the efficiency of scientists at the Eastern Tobacco Company, NRC, February, 2021.
3. Teaching in summer training of undergraduate students of faculties of science from different universities.
4. Teaching in department of chemistry, faculty of science, Sabha University, Libya, 1996 -1998.
5. Teaching in department of chemistry, faculty of science, Omar El-Mukhtar University, Libya, 1999 – 2001.
6. Teaching in Pharmacy Department, University of Malakand, Pakistan, 2005 – 2010.

## **THE PUBLISHED PATENTS AND PAPERS**

### **PATENTS (SUBMITTED)**

1. Photoluminescent spray-coated paper sheet: Write-in-the-dark. No. of the patent: 2018/565

2. Development of microporous cellulose-based smart xerogel reversible sensor via freeze drying for naked-eye detection of ammonia gas. No. of the patent: 2018/1290
3. Smart microfibrillated cellulose as a swab sponge-like aerogel for a real-time colorimetric naked-eye sweat monitoring. No. of the patent: 2019/416
4. Long-persistent photoluminescent cross-linked epoxy resin toward glow-in-the-dark pebbles. No. of the patent: 2019/534.
5. A new approach for improving the antimicrobial activity of cellulose. No. of the patent: 2023/682P/EG.

## PUBLISHED PAPERS

1. Lignosulphonate as Dispersing Agent, Part (II). S. Shakara. O.Y Mansour, Z. A. Nagieb and <b>S. Kamel</b> , 5 <sup>th</sup> IBN Sinai international conference pure and applied Heterocyclic Chemistry, EGYPT 9-12 December (1995).
2. Preparation and FTIR of Lignosulphonate, part (I). Z. A. Nagieb, O. Y. Mansour, S. Shakra, El-Said Khalil and <b>S. Kamel</b> , 5 <sup>th</sup> IBN Sinai international conference pure and applied Heterocyclic Chemistry. EGYPT 9-12, December (1995).
3. Infrared Absorption Spectra of Cellulose Pulps of Palm Tree. Mansour, O. Y.; Khalil, E. M. A., <b>Kamel</b> , S. Polym. Plast. Technol. Eng. 36(6), 973-1002 (1997).
4. Infra-red Spectroscopic Study of Lignin's. Abd-Alla M. A. Nada, Mohamed El-Sakhawy and <b>Samir M. Kamel</b> , Polymer Degradation and Stability 60 (1998).
5. Lignocellulosic Polymer Composite. IV. Olfat Y Mansour, <b>Samir Kamel</b> and Mona Nassar, Journal of applied polymer Science. 69, 845-855 (1998).
6. Lignocellulose-Polymer Composites. V. Olfat Mansour, Bothina Abd El-Hady, <b>Samir K. Ibrahim</b> , and Magda Goda. POLYM. –PLAST. TECHNOL. ENG., 40(3), 311–320 (2001)
7. Effect of Addition of Radiation Petroleum Resin on Sugarcane Bagasse. Soad Z. Mohamed, Zenat A. Nagieb, and <b>Samir M. Kamel</b> . JI. Egyptian Society of Engineers. 38(2) (1999).
8. Modified Kraft Pulping of Bagasse: Infrared Spectroscopy of Lignin, Abd-Alla M. A. Nada; Mohamed El-Sakhawy and <b>Samir Kamel</b> , International Journal of Polymeric Materials. 46, 121-130 (2000).
9. Grafting of CMC by the Ionic- Xanthate Method, <b>Samir Kamel Mohamed</b> , Journal of Scientific and Industrial Research.59, 235-240 (2000).
10. Thermal behavior and infrared spectroscopy of cellulose carbamates, Abd-Alla M. A. Nada, <b>Samir Kamel</b> and Mohamed El-Sakhawy, Polymer Degradation and Stability. 70, (2000) 347-355.
11. Physicomechanical Properties of Paper Treated with Polymers. Abd-Alla M. A. Nada; <b>Samir Kamel</b> and Mohamed El-Sakhawy, Restaurator. 21, 238-247 (2000).
12. Carboxymethylation of Cotton Linter in an Alcoholic Reaction Medium, Zenat A. Nagieb, Mohamed El-Sakhawy and <b>Samir M. Kamel</b> ; Intern. J. Polymeric Mater. 50, 163-173 (2001).
13. Lignocellulose's- Polymer Composites, Olfat Mansour, Bothina Abdel-Hady, <b>Samir K. Ibrahim</b> and Magda Goda. Polymer Plastic & Technol. Eng. 40 (3), 311-320 (2001).
14. Cellulose reaction with urea and methyl urea. <b>Samir K. Mohamed</b> , Mohamed El-Sakhawy and Hussein Abou-Yousef. 6 <sup>th</sup> Arab international Conference on Polymer Science and Technology, EGYPT, 85-93, 1-5 September (2001).
15. Thermal behavior of grafted cyanoethyl cellulose. <b>S. K. Mohamed</b> , N.A. EL-Wakil and M. Z. Sefain. Egypt. J. Appl. Sci. 16 (11), (2001).
16. Bleaching of Kraft bagasse pulp in presence of Polyoximetallate Catalyst. A. A. Ibrahim, Mohamed El-Sakhawy, and <b>Samir Kamel</b> , Journal of Korea T APPL. 37 (5) (113), 56-62 (2005).
17. Thermal properties of chitin and some of its derivatives. A. M.A. Nada, <b>S. Kamel</b> and H. Abou-Yousef. J. Therm. Anal. Cal. (2004).
18. Effect of Oxidized Starch and Inorganic Filler on Paper Properties, Abd-Allah M. A. Nada, <b>Samir Kamel</b> , Mohamed El-Sakhawy and Ahmed El-Gendy IPPTA J. 16(1), 45-50 (2004).
19. Characterization and Influence of Metal – Cellulose Interaction on the Properties of Modified Bleached Bagasse Pulp. A.M.A. Nada., <b>S. Kamel</b> , H. Abou-Yousef IPPTA J. 16(2), 29-33 (2004).
20. Copper (II) ion adsorption onto cationic oxycellulose. <b>Samir Kamel</b> , Hussein Abou-Yousef, Mohamed El-Sakhawy. Energy Education Science and Technology. 14(2), 51-60 (2004).
21. Peroxyformic acid pulping of Palm leaves. A. M. A. Nada, H. Abou-Yousef and <b>S. Kamel</b> . Journal of Scientific and Industrial Research. 63, 149-155 (2004).
22. Mechanical Properties of the Paper Sheets Treated with Different Polymers. <b>S. Kamel</b> , M. El-Sakhawy, A.M.A. Nada Thermochemica Acta. 421, 81–85 (2004).
23. Some Studies on Dyes for Coloration of Paper. <b>S. Kamel</b> , Y. A. Youssef, S. Shakra. IPPTA J. 17(1), 49-54 (2004).
24. Preparation and Properties of Composites Made from Rice Straw and Poly (Vinyl chloride) (PVC). <b>Samir Kamel</b> . Polym. Adv. Technol.15, 612 – 616 (2004).

25. Effect of Paper Structure on the Physicomechanical Properties and Print Quality. A. M. A. Nada, <b>S. Kamel</b> , S. El-sayyad, H. Rokbaa and F. M. Amine Egypt. J. Chem. 48 (4), 483-497 (2005).
26. Multi-stage Bagasse Pulping by using separate alkali/Caro's acid treatments. H. Abou-Yousef, M. El-Sakhawy, <b>S. Kamel</b> . Industrial Crops and Products. 21, 337-341 (2005).
27. Optimization of carboxymethylation of Starch in organic solvents. <b>S. Kamel</b> and Jahangir Khan. International Journal of Polymeric Materials, 56:511–519, 2007. Also, published in 1 <sup>st</sup> international Chemistry Conference on Recent Challenges in Chemistry. Islamabad, Pakistan November 1-3 (2006).
28. Infrared spectroscopy and thermal analysis of chitosan and its derivatives. A. M. A. Nada, <b>S. Kamel</b> and E. S. Abd El-Sayed. Energy Education Science and Technology. 18(1): 17-24 (2006).
29. Preparation and application of Acrylonitrile-Grafted 7yanoethyl cellulose for the removal of Cu (II) ions. <b>S. Kamel</b> , E. M. Hassan, M. El-Sakhawy. Journal of Applied Polymer Science. 100, 329-334 (2006).
30. Mechanical and electrical properties of paper sheets treated with chitosan and its derivatives, A. M. A. Nada, Mohamed El-Sakhawy, <b>Samir Kamel</b> , M. A. M. Eid and Abeer M. Adel. Carbohydrate Polymers. 63, 113-121 (2006).
31. Preparation of cation-exchange resin from lignin. <b>Samir Kamel</b> . International Journal of Polymeric Materials. 55, 283–291 (2006).
32. Nanotechnology and its application in lignocellulosic composites. A mini Review. <b>S. Kamel</b> . eXPRESS Polymer Letters.1(9), 546–575 (2007).
33. Physicochemical Equivalence of Different Brands of Diclofenic Sodium SR Tablets Available in the Local Market. Jahangir Khan, Nighat Razvi and <b>Samir Kamel</b> . 14 <sup>th</sup> IPCE Conference, Karachi, Pakistan April 5-7 (2007).
34. Mechanical Properties and Water Absorption of Low-Density Polyethylene/Sawdust Composites. Samir Kamel, Abeer M. Adel, Mohamed El-Sakhawy and Zenat A. Nagieb. Journal of Applied Polymer Science. 107(2) (2007) 1337-1342.
35. Pharmaceutical Significance of Cellulose: A Review. <b>S. Kamel</b> , N. Ali, K. Jahangir, S. M. Shah and A.A. El-Gendy. eXPRESS Polymer Letters.2(11) (2008) 758–778.
36. Decontamination of Manganese and Phenol from Water with Modified Sunflower Stem. <b>Samir K.</b> Ibrahim M. B. M. and A. K. Sher. International Journal of Polymeric Materials. 58, 533–547(2009).
37. Potential uses of bagasse and modified bagasse for removal of iron and phenol from water. <b>Samir K.</b> , H. Abou-Yousef, Muhamed yousf. 4 <sup>th</sup> International Conference of Chemical Industries Research Division, National Research Centre, Dokki, Cairo, EGYPT 30 Nov – 2 Dec., (2010). Also, Carbohydrate Polymers 88 (2012) 250–256.
38. Spasmogenic, spasmolytic and antihypertensive activity of Forsskalea tenacissima L. Syed Wadood Ali Shah, <b>Samir Kamel</b> , Waqar Ahmad, Niaz Ali. African Journal of Pharmacy and Pharmacology. 4(6) (2010) 381 – 385.
39. Improvement of Thermal Aging of Paper Sheets by Soluble Collagen Isolated from Hide Shavings. <b>Samir Kamel</b> , EL-Shahat H.A. Nashy, Ahmed A. El-Gendy and Mohamed El-Sakhawy. Research – Reviews in Polymer. 3(2) (2011) 41-46.
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