

Gunnar Nicholson Gold Medal Nomination Form

TO: Board Nominating/Honors Committee

FROM:

(Sponsor's Name -- type or print)

(Sponsor's Address -- type or print)

Ph:

Fax:

E-Mail :

The undersigned nominates

HASAN JAMEEL

(Type or Print)

to receive the Gunnar Nicholson Gold Medal Award and certifies that the qualifications and achievements submitted in support of this nomination are accurate and complete to the best of the sponsor's knowledge.

(Sponsor's Signature)

(Date)

- Attachments: 1. Qualifications and Achievements
2. Biographical Data

NOTE: Some of the information provided on this nomination form has been taken from another award nomination submission.

Qualifications and Achievements of

HASAN JAMEEL

(Nominee's Name -- type or print)

1. What scientific or engineering achievements qualify the nominee for this award? (This question must be answered).
 - Team participation on the implementation of the first MC oxygen bleaching system based on IP's patented process operating in the low and medium consistency ranges.
 - Pioneered research at NCSU and Beloit Corporation on the concept of liquor profiling and sulfur absorption to improve delignification, bleachability and yield.
 - Dr. Jameel and faculty colleagues at NCSU furthered the potential of AQ to lower the kappa number from pulping and he won the Wetherhorn Award from TAPPI's Pulping Division for his publication on the utilization of AQ.
 - He studied the organic and inorganic reactions of chlorine dioxide bleaching, and described the reaction mechanisms at various pH - developed and patented along with Hou-min Chang a bleaching process using chlorine dioxide that uses pH profiling to increase the bleaching efficiency.
 - Hou-min Chang and Dr. Jameel have performed an evaluation of the use of peracids for the development of totally chlorine free bleaching sequences.
 - Participated in demonstrations of several methods developed for controlling the metal profile using an acid (A) and/or a chelant (Q).
 - Presently working on evaluating pulping technologies that can be implemented along with black liquor gasification.
2. How were these achievements realized? For example, were they through the nominee's personal efforts, management of other professionals, instruction of students, inspiration of others, or administration of major programs?

SEE ANSWER TO #1

3. What specific contributions to technical progress in the industry has the nominee made?

Dr. Jameel's contributions to technical progress in pulping and bleaching as well as his accomplishments in teaching and education account for 50% of his efforts as a Distinguished Professor. He has transferred knowledge gained in research to over 500 Paper Science & Engineering undergraduates and graduates in such courses as Pulping Process Analysis, Pulp & Paper Unit Operations, Senior Research, Project Management, Environmental Issues, Chemical Recovery, and Advanced Process Analysis. He has also delivered numerous presentations to audiences at TAPPI JOURNAL and TAPPI's Conference Proceedings and has published many peer reviewed publications and conference proceedings.

4. Which sector of the forest products industry has benefited directly from these achievements?

Pulp, Paper, and Bleaching

Qualifications and Achievements of

HASAN JAMEEL

(Nominee's Name -- type or print)

5. How have these achievements been applied to industrial technology?

Dr. Jameel's was directly involved in the development of a course for high school science teachers in 2000 named "The Science of Papermaking and Paper Recycling: *A Research Experience for Teachers*." This program was designed for high school chemistry and physics teachers to participate in lab-based experiments that they can replicate with their students using the lecture material, experiments, and supplies in the experiment kit which can be taken home by the students.

He has developed a program for high school students to come to NCSU and experience a week-long program "*Performing Inquiry Based Exploration: An Example in Using Agricultural Waste and Wastepaper to Produce New Products*". This project involves high school students bringing agricultural waste and wastepaper to NCSU and devising creative ways to convert these materials into useful products.

He has developed a distance-based Masters program in Paper Science, which can reach a global audience with a pulp and paper program. This is the first distance based Master's Program in the world.

His involvement in teaching the TAPPI/NCSU course on Hands-on Workshop for Pulp and Paper Basics has become very popular with the industry because of its unique hands-on format. This course has enabled TAPPI and NCSU to reach and train many personnel within the industry and expose people to what TAPPI has to offer its membership.

6. How have these contributions changed the way in which the industry manufactures its products?

- Some of the concepts developed in the research of decreasing the environmental impact of bleaching, especially with mounting pressure to minimize or eliminate the discharge of chlorinated organic compounds have been practiced in modified batch mills.
- The development of studies to optimize the generation of mixed peracids on a commercial scale can be used to produce pulps with acceptable brightness, without the use of ozone. This technology becomes very important as totally chlorine free bleaching is implemented into mills. Based on this technology duPont developed a pilot system for the generation of mixed peracids, and mill trials were conducted. If TCF bleaching is necessary in the future this technology will be an important factor.
- The development of methods (A(P_{DTMPA})) and (AQ)P improved the performance of a pressurized peroxide stage significantly and enabled the development of no/low chlorine dioxide bleaching sequences that will impact the industry as they being to evaluate other methods to decrease the environmental impact of bleaching.
- Participation in a project that demonstrated the concept of pulping to a higher kappa number followed by two oxygen bleaching stages was evaluated with respect to cost, pulp strength, yield and recover boiler loading. It may be possible to decrease the kappa number to the bleach plant without effecting the load to the recovery boiler, since oxygen bleaching is more selective than kraft pulping. This evaluation, convinced some mills with dual oxygen towers to implement this process.

Qualifications and Achievements of _____

HASAN JAMEEL

(Nominee's Name -- type or print)

7. What new technology has resulted from these contributions?

SEE ANSWERS TO QUESTIONS # 1 and # 6.

8. How have these contributions modified old technology?

9. How have these contributions changed thinking about the science and technology that underlie the forest products industry?

10. How have these contributions affected the industry's economics, raw materials, environmental quality, energy consumption, and waste utilization?

Notes: 1. Not all of the above questions will be applicable to all nominees. Please answer only those that are pertinent.

2. If the space provided above is insufficient, please attach additional sheets identifying the nominee and question number.

3. Tabulations of conference papers, other publications, patents, leadership positions, and other achievements must be accompanied by the sponsor's evaluation of the significance of these contributions.

Biographical Data for **HASAN JAMEEL**
(Nominee's name -- type or print)

7. Publications (titles, where and when published)

SEE ATTACHED LITERATURE CITATIONS

8. Professional fields of specialization

Pulping and Bleaching
Process Optimization and Simulation
Bio-energy and Gasification

9. Professional society activities (offices held, contributions made)

SEE ANSWER TO # 5

10. Patents granted (titles, numbers, dates)

SEE ATTACHED LITERATURE CITATIONS

11. Public service (positions held, contributions made)

SEE ANSWER TO # 5 of Qualifications and Achievements

12. Professional honors received

- TAPPI Wetherhorn Award, 1994
- TAPPI Johan C.F.C. Richter Prize, 2005
- TAPPI Wayne Carr Best Paper Award, 2002
- Fellow of the International Academy of Wood Science
- NC State Outstanding Teacher 1990, 2005
- NC State Outstanding Advisor, 2006
- Alumni Distinguished Professor, 1999
- Ellis Signe Olson Professor, 2001
- CNR Board of Governors Recipient, 2003

HASAN JAMEEL LITERATURE CITATIONS

BOOK

- 1 Extending Delignification with AQ/Polysulfide
Author: Jameel, H.; Gratzl, J.; Prasad, D.; Chivukula, S.
Author Affiliation: Jameel, H. (North Carolina State University).; Gratzl, J. (North Carolina State University).; Prasad, D. (North Carolina State University).; Chivukula, S. (North Carolina State University).
Source: Anthraquinone Pulping: TAPPI Press Anthology of Published Papers 1977-1996 (Goyal, G., ed.), Chapter 2: 317-334 (1997; TAPPI Press). Engl. cf. ABIPST 65: abstr. 11059.
Publication Year: 1997
Language: ENGLISH
- 2 Use of AQ/PS [Polysulfide] Pulping Additives for the Production of Linerboard Pulp
Author: Prasad, D.; Jameel, H.; Gratzl, J.; Tu, X.
Author Affiliation: Prasad, D. (North Carolina State University).; Jameel, H. (North Carolina State University).; Gratzl, J. (North Carolina State University).; Tu, X. (North Carolina State University).
Source: Anthraquinone Pulping: TAPPI Press Anthology of Published Papers 1977-1996 (Goyal, G., ed.), Chapter 2: 239-252 (1997; TAPPI Press). Engl. cf. ABIPST 67: abstr. 6506.
Publication Year: 1997
Language: ENGLISH
- 3 New Opportunities for In-Plant Reduction of Pollutants Through Process Changes
Author: Renard, J.; Phillips, R.; Jameel, H.; Rudie, A.
Author Affiliation: Renard, J. (International Paper).; Phillips, R. (International Paper).; Jameel, H. (International Paper).; Rudie, A. (International Paper).
Source: Anthraquinone Pulping: TAPPI Press Anthology of Published Papers 1977-1996 (Goyal, G., ed.), Chapter 1: 139-142 (1997; TAPPI Press). Engl. cf. ABIPC 52: abstr. 6097.
Publication Year: 1997
Language: ENGLISH
- 4 Extending the Digester Delignification with Anthraquinone
Author: Rajan, P.; Griffin, C.; Jameel, H.; Gratzl, J.
Author Affiliation: Rajan, P. (North Carolina State University).; Griffin, C. (North Carolina State University).; Jameel, H. (North Carolina State University).; Gratzl, J. (North Carolina State University).
Source: Anthraquinone Pulping: TAPPI Press Anthology of Published Papers 1977-1996 (Goyal, G., ed.), Chapter 1: 10-29 (1997; TAPPI Press). Engl. cf. ABIPST 63: abstr. 9636.
Publication Year: 1997
Language: ENGLISH
- 5 Elemental Chlorine-Free (ECF) and Total Chlorine-Free (TCF) Bleaching of RDH Hardwoods
Author: Kumar, K. R.; Chang, H. M.; Jameel, H.; Shin, N. H.
Author Affiliation: Kumar, K. R. (North Carolina State University (Raleigh: NC: United States)).; Chang, H. M. (North Carolina State University (Raleigh: NC: United States)).; Jameel, H. (North

Carolina State University (Raleigh: NC: United States)); Shin, N. H. (Beloit Corp. (Dalton: MA: United States)).

Source: Bleaching: TAPPI Press Anthology of Published Papers, 1991-1992 (Jameel, H., ed.), Chapter 7: 549-564 (1993; TAPPI Press). Engl. cf. ABIPST 63: abstr. 9699.

Publication Year: 1993

Language: ENGLISH

- 6 Bleachability of RDH-Kraft Pulps; Emphasis on Low Kappa with Effluent Characteristics
Author: Andrews, E. K.; Chang, H. M.; Jameel, H.
Author Affiliation: Andrews, E. K. (Beloit Corp. (Dalton: MA: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)).
Conference: 1991 International Bleaching Conference
Source: Bleaching: TAPPI Press Anthology of Published Papers, 1991-1992 (Jameel, H., ed.), Chapter 7: 565-574 (1993; TAPPI Press). Engl.
Publication Year: 1993
Language: ENGLISH
- 7 Bleaching; TAPPI Press Anthology of Published Papers, 1991-1992
Author: Jameel, H.
Author Affiliation: Jameel, H. (North Carolina State University (Raleigh: NC: United States)).
Source: TAPPI Press (Atlanta, GA): 818 p. (1993). Engl.
Publication Year: 1993
Language: ENGLISH

CONFERENCE LITERATURE

- 1 Thermogravimetric analysis of water associated with cellulose fibers
Author: Park, Sunkyuu; Venditti, Richard; Jameel, Hasan; Pawlak, Joel J.
Author Affiliation: Park, Sunkyuu (Department of Wood and Paper Science North Carolina State University: Raleigh, NC 27695-8005: United States)
Conference: Society of Plastics Engineers Annual Technical Conference 2005, ANTEC 2005
Source: Annu Tech Conf ANTEC Conf Proc 8, Society of Plastics Engineers Annual Technical Conference 2005, ANTEC 2005. Society of Plastics Engineers Annual Technical Conference 2005, ANTEC 2005 - Conference Proceedings. 05/01-05/05, Boston, MA, United States,,: 330-334 (2005.) (English)
Publication Year: 2005
Language: ENGLISH

- 2 Extrusion and folding models for the passage of pressure sensitive adhesive materials through slotted pressure screening devices in paper recycling
Author: Venditti, Richard A.; Lucas, Bradley E.; Jameel, Hasan
Author Affiliation: Venditti, Richard A. (North Carolina State University Department of Wood and Paper Science Box 8005: Raleigh, NC 27695-8005: United States)
Conference: 7th Research Forum on Recycling
Source: Res Forum Recycl Proc 7th Research Forum on Recycling. 7th Research Forum on Recycling - Preprints. 09/27-29/04, Quebec City, QC, Canada,,: 3-10 (2004.) (English)
Publication Year: 2004
Language: ENGLISH

- 3 Chemical properties in CAD-deficient pine and their effect on pulping
Author: Capanema, Ewellyn A.; Balakshin, Mikhail Yu.; Heerman, Maryn L.; Yeh, Tingfeng; Yu, Qibin; Dana Nelson, C.; McKeand, Steven E.; Li, Bailian; Jameel, Hasan; Chang, Houmin; Mullin, T.J.
Author Affiliation: Capanema, Ewellyn A. (Dept. of Wood and Paper Science NC State University: Raleigh, NC 27695-8005: United States)
Conference: 59th Appita Annual Conference and Exhibition, incorporating the 13th ISWFPC: International Symposium on Wood, Fibre and Pulping Chemistry
Source: Appita Annu. Conf. 2, 59th Appita Annual Conference and Exhibition, incorporating the 13th ISWFPC: International Symposium on Wood, Fibre and Pulping Chemistry. 59th Appita Annual Conference and Exhibition, incorporating the 13th ISWFPC: International Symposium on Wood, Fibre and Pulping Chemistry - Proceedings. Appita Conference Sessions. 05/16-19/05, Auckland, New Zealand,,: 173-180 (2005.) (English)
Publication Year: 2005
Language: ENGLISH

- 4 Isolation and characterization of residual lignins from hardwood pulps: Method improvements
Author: Capanema, Ewellyn A.; Baakshin, Mikhail Yu.; Jameel, Hasan; Chang, Hou-Min
Author Affiliation: Capanema, Ewellyn A. (Department of Wood and Paper Science NC State University: Raleigh, NC 27695-8005: United States)
Conference: 59th Appita Annual Conference and Exhibition, incorporating the 13th ISWFPC: International Symposium on Wood, Fibre and Pulping Chemistry

Source: Appita Annu. Conf. 3, 59th Appita Annual Conference and Exhibition, incorporating the 13th ISWFPC: International Symposium on Wood, Fibre and Pulping Chemistry. 59th Appita Annual Conference and Exhibition, incorporating the 13th ISWFPC: International Symposium on Wood, Fibre and Pulping Chemistry - Proceedings. Appita Conference Sessions. 05/16-19/05, Auckland, New Zealand,; 57-64 (2005.) (English)

Publication Year: 2005

Language: ENGLISH

- 5 The effect of operating variables on mass balance of fiber fractionation using a hydrocyclone
Author: Park, Sunkyū; Venditti, Richard; Jameel, Hasan; Pawlak, Joel; Byrd, Med
Author Affiliation: Park, Sunkyū (Department of Wood and Paper Science North Carolina State University: Raleigh, NC: United States)
Conference: 2003 TAPPI Fall Technical Conference: Engineering, Pulping and PCE and I
Source: TAPPI Fall Tech. Conf. 2003 TAPPI Fall Technical Conference: Engineering, Pulping and PCE and I. 2003 TAPPI Fall Technical Conference: Engineering, Pulping and PCE and I, Proceedings. 10/26-30/03, Chicago, IL, United States,; 2065-2075 (2003.) (English)
Publication Year: 2003
Language: ENGLISH
- 6 High selectivity oxygen delignification of SW and HW kraft pulps with tailored bleachability properties
Author: Pu, Yunqiao; Lucia, Lucian; Ragauskas, Arthur J.; Naithani, Ved; Jameel, Hasan
Author Affiliation: Pu, Yunqiao (School of Chemistry and Biochemistry Institute of Paper Science and Technology Georgia Institute of Technology: Atlanta, GA: United States)
Conference: 2003 TAPPI Fall Technical Conference: Engineering, Pulping and PCE and I
Source: TAPPI Fall Tech. Conf. 2003 TAPPI Fall Technical Conference: Engineering, Pulping and PCE and I. 2003 TAPPI Fall Technical Conference: Engineering, Pulping and PCE and I, Proceedings. 10/26-30/03, Chicago, IL, United States,; 939-948 (2003.) (English)
Publication Year: 2003
Language: ENGLISH
- 7 Defining the benefits of high-kappa kraft pulps for ECF bleaching operations
Author: Ragauskas, Arthur J.; Pu, Yunqiao; Lucia, Lucian A.; Naithani, Ved; Jameel, Hasan
Conference: 2004 TAPPI Fall Technical Conference: Engineering and Pulping
Source: TAPPI Fall Tech. Conf. 2004 TAPPI Fall Technical Conference: Engineering and Pulping. 2004 TAPPI Fall Technical Conference: Engineering and Pulping, Proceedings. 10/31-11/03/04, Atlanta, GA, United States,; 631 (2004.) (English)
Publication Year: 2004
Language: ENGLISH
- 8 Economics of integrating black liquor gasification with pulping: Part II- effects of yield increases from modified pulping with polysulfide
Author: Lindstrom, Mathias; Kirkman, Andrianna G.; Jameel, Hasan
Author Affiliation: Lindstrom, Mathias (North Carolina State University: Raleigh, NC: United States)
Conference: 2004 TAPPI Fall Technical Conference: Engineering and Pulping
Source: TAPPI Fall Tech. Conf. 2004 TAPPI Fall Technical Conference: Engineering and Pulping. 2004 TAPPI Fall Technical Conference: Engineering and Pulping, Proceedings. 10/31-11/03/04, Atlanta, GA, United States,; 503 (2004.) (English)

Publication Year: 2004
Language: ENGLISH

- 9 Effects on pulp yield and properties using modified pulping procedures involving sulfur profiling and green liquor pretreatment
Author: Lindstrom, Mathias; Naithani, Ved; Kirkman, Adrianna; Jameel, Kanan
Author Affiliation: Lindstrom, Mathias (Department of Wood and Paper Science North Carolina State University: Raleigh, NC 27695-8005: United States)
Conference: 2004 TAPPI Fall Technical Conference: Engineering and Pulping
Source: TAPPI Fall Tech. Conf. 2004 TAPPI Fall Technical Conference: Engineering and Pulping. 2004 TAPPI Fall Technical Conference: Engineering and Pulping, Proceedings. 10/31-11/03/04, Atlanta, GA, United States,; 489-501 (2004.) (English)
Publication Year: 2004
Language: ENGLISH
- 10 Microwave pretreatment to decrease pulping energy and chemicals
Author: Compere, A.L.; Gardner, W.L.; Griffith, W.L.; White, T.L.; Jameel, H.; Argyropoulos, D.S.; Fricke, A.L.
Author Affiliation: Compere, A.L. (Oak Ridge National Laboratory: Oak Ridge, TN 37831: United States)
Conference: 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference
Source: TAPPI Pap. Summit Spring Tech. Int. Environ. Conf. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 05/03-05/04, Atlanta, GA, United States,; 1091-1105 (2004.) (English)
Publication Year: 2004
Language: ENGLISH
- 11 Tracking down the effects of a rare mutant gene in loblolly pine - A first report
Author: Yu, Qibin; Capanema, Ewellyn; Batista, Victoria B.; Josserand, Sedley; Johnson, Glen; Nelson, C. Dana; McKeand, Steven E.; MacKay, John J.; Kadla, John F.; Li, Baillian; Jameel, Hasan; Chang, Hou-Min; Mullin, T.J.
Author Affiliation: Yu, Qibin (Department of Forestry NC State University: Raleigh, NC 27695-8002: United States)
Conference: 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference
Source: TAPPI Pap. Summit Spring Tech. Int. Environ. Conf. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 05/03-05/04, Atlanta, GA, United States,; 649-659 (2004.) (English)
Publication Year: 2004
Language: ENGLISH
- 12 Microwave pretreatment to decrease pulping energy and chemicals
Author: Compere, A.L.; Gardner, W.L.; Griffith, W.L.; White, T.L.; Jameel, H.; Argyropoulos, D.S.; Fricke, A.L.

Author Affiliation: Compere, A.L. (Oak Ridge National Laboratory: Oak Ridge, TN 37831: United States)

Conference: 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference

Source: TAPPI Pap. Summit Spring Tech. Int. Environ. Conf. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 05/03-05/04, Atlanta, GA, United States,; 393-407 (2004.) (English)

Publication Year: 2004

Language: ENGLISH

- 13 Improving bleached kraft pulp production via integrated kraft pulping and O-delignification technologies

Author: Lucia, Lucian; Ragauskas, Arthur J.; Naithani, Ved; Jameel, Hasan

Author Affiliation: Lucia, Lucian (School of Chemistry and Biochemistry Inst. of Paper Sci. and Technology Georgia Institute of Technology: Atlanta, GA 30332: United States)

Conference: 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference

Source: TAPPI Pap. Summit Spring Tech. Int. Environ. Conf. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 2004 TAPPI Paper Summit - Spring Technical and International Environmental Conference. 05/03-05/04, Atlanta, GA, United States,; 47-53 (2004.) (English)

Publication Year: 2004

Language: ENGLISH

- 14 Finding the sweet spot for oxygen delignification

Author: Pu, Y.; Yang, R.; Lucia, L.; Ragauskas, A.J.; Jameel, H.

Author Affiliation: Pu, Y. (Inst. of Paper Sci. and Technology: Atlanta, GA 30318: United States)

Conference: Proceedings of the 2002 Tappi International Pulp Bleaching Conference

Source: TAPPI Internat. Pulp Bleach. Conf. Proceedings of the 2002 TAPPI International Pulp Bleaching Conference. 05/19-23/02, Portland, OR, United States,; 105-120 (2002.) (English)

Publication Year: 2002

Language: ENGLISH

- 15 The effect of operating variables on the fractionating characteristics of a hydrocyclone

Author: Byrd, M.; Pawlak, J.; Jameel, H.; Venditti, R.; Chang, H.-M.; Park, S.

Author Affiliation: Byrd, M. (Department of Wood and Paper Science NC State University: Raleigh, NC: United States)

Conference: Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair

Source: TAPPI Fall Technol. Trade Fair Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair. 09/08-11/02, San Diego, CA, United States,; 1631-1646 (2002.) (English)

Publication Year: 2002

Language: ENGLISH

- 17 Economics fo integrating black liquor gasification with pulping: Part I - Effect of sulfur profiling

Author: Lindstrom, Mathias; Kirkman, Adrianna; Jameel, Hasan; Cheng, Julie; Huggins, Christy; Bray, Brandon

Author Affiliation: Lindstrom, Mathias (Department of Wood and Paper Science North Carolina State University: Raleigh, NC 27695-8005: United States)
Conference: Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair
Source: TAPPI Fall Technol. Trade Fair Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair. 09/08-11/02, San Diego, CA, United States,: 1417-1429 (2002.) (English)
Publication Year: 2002
Language: ENGLISH

- 18 Cold soda and alkaline peroxide chemimechanical pulping of cotton stalk
Author: Ali, Mona; Byrd, Medwick; Jameel, Hasan
Author Affiliation: Ali, Mona (National Research Centre: Cairo: Egypt)
Conference: Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair
Source: TAPPI Fall Technol. Trade Fair Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair. 09/08-11/02, San Diego, CA, United States,: 117-134 (2002.) (English)
Publication Year: 2002
Language: ENGLISH
- 19 Factors in the passage of pressure sensitive adhesive particles through a slot
Author: Lucas, Bradley E.; Venditti, Richard A.; Jameel, Hasan
Author Affiliation: Lucas, Bradley E. (North Carolina State University Department of Wood: Raleigh, NC 27695-8005: United States)
Conference: Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair
Source: TAPPI Fall Technol. Trade Fair Proceedings of the 2002 TAPPI Fall Technical Conference and Trade Fair. 09/08-11/02, San Diego, CA, United States,: 37-49 (2002.) (English)
Publication Year: 2002
Language: ENGLISH
- 20 The breakage of pressure sensitive adhesive contaminants in paper recycling operations
Author: Lucas, Bradley E.; Venditti, Richard A.; Jameel, Hasan
Author Affiliation: Lucas, Bradley E. (North Carolina State University Department of Wood: Raleigh, NC 27695-8005: United States)
Conference: Proceedings of the 2000 TAPPI Pulping/Process and Product Quality Process
Source: TAPPI Pulp./Process Prod. Qual. Conf. Proceedings of the 2000 TAPPI Pulping/Process and Product Quality Process. 11/05-08/00, Boston, MA, United States,: 989-1002 (2000.) (English)
Publication Year: 2000
Language: ENGLISH
- 21 Mini oxygen stages: More delignification with less capital
Author: Dyer, Thomas J.; Lucia, Lucian A.; Ragauskas, Arthur J.; Jameel, Hasan
Author Affiliation: Dyer, Thomas J. (Inst. of Paper Sci. and Technology: Atlanta, GA 30318: United States)
Conference: Proceedings of the 2000 TAPPI Pulping/Process and Product Quality
Source: TAPPI Pulp./Process Prod. Qual. Conf. Proceedings of the 2000 TAPPI Pulping/Process and Product Quality 11/05-08/00, Boston, MA, United States,: 571-579 (2000.) (English)
Publication Year: 2000
Language: ENGLISH

- 22 Effect of pretreatment with green liquor, AQ and polysulfide on the performance of an extended batch system
Author: Chivukula, Sreeram; Chang, Hou-min; Jameel, Hasan; Wizani, Wolfgang
Author Affiliation: Chivukula, Sreeram (North Carolina State Univ).
Conference: Proceedings of the 1998 Pulping Conference. Part 1 (of 3)
Source: Proceedings of the 1998 Pulping Conference. Part 1 (of 3): 7p (1998; TAPPI Press). Engl.
Publication Year: 1998
Language: ENGLISH
- 23 Impact of washing efficiency after a metal removal stage on the performance of a peroxide stage
Author: Zhang, Zeng; Jameel, Hasan; Chang, Hou-min
Author Affiliation: Zhang, Zeng (North Carolina State Univ).
Conference: Proceedings of the 1998 Pulping Conference. Part 2 (of 3)
Source: Proceedings of the 1998 Pulping Conference. Part 2 (of 3): 705-710 (1998; TAPPI Press). Engl.
Publication Year: 1998
Language: ENGLISH
- 24 Dynamic simulation of Rapid Displacement Heating (RDH) kraft pulping system
Author: Cao, H.; Jameel, H.; Kirkman, A.; Sezgi, U.
Author Affiliation: Cao, H. (NC State Univ).
Conference: Proceedings of the 1998 TAPPI International Engineering Conference. Part 1 (of 3)
Source: Proceedings of the 1998 TAPPI International Engineering Conference. Part 1 (of 3) Miami, FL : 301-314 (1998; TAPPI Press). Engl.
Publication Year: 1998
Language: ENGLISH
- 25 High-Kappa-[No.] Pulping and Extended Oxygen Delignification to Increase Yield
Author: Magnotta, V.; Kirkman, A.; Jameel, H.; Gratzl, J.
Author Affiliation: Magnotta, V. (Air Products and Chemicals).; Kirkman, A. (North Carolina State University).; Jameel, H. (North Carolina State University).; Gratzl, J. (North Carolina State University).
Conference: Breaking the Pulp Yield Barrier Symposium
Source: 1998 TAPPI Proceedings: Breaking the Pulp Yield Barrier Symposium Breaking the Pulp Yield Barrier Symposium Atlanta, GA US(TAPPI), Session 8, Paper no. 1: 165-182 (1998; TAPPI Press). Engl.
Publication Year: 1998
Language: ENGLISH
- 26 Effect of pretreatment with green liquor, AQ and polysulfide on the performance of an extended batch system
Author: Chivukula, Sreeram; Chang, Hou-min; Jameel, Hasan; Wizani, Wolfgang
Author Affiliation: Chivukula, Sreeram (North Carolina State Univ).
Conference: Proceedings of the 1998 Pulping Conference. Part 1 (of 3)
Source: Engl.
Publication Year: 1998
Language: ENGLISH

- 27 Impact of washing efficiency after a metal removal stage on the performance of a peroxide stage
Author: Zhang, Zeng; Jameel, Hasan; Chang, Hou-min
Author Affiliation: Zhang, Zeng (North Carolina State Univ).
Conference: Proceedings of the 1998 Pulping Conference. Part 2 (of 3)
Source: : 705-710 Engl.
Publication Year: 1998
Language: ENGLISH
- 28 High Temperature Reactions of Lignin and Lignin Model Compounds with Stabilized Hydrogen Peroxide
Author: Kadla, J.; Chang, H.; Jameel, H.; Gratzl, J.
Author Affiliation: Kadla, J. (North Carolina State University).; Chang, H. (North Carolina State University).; Jameel, H. (North Carolina State University).; Gratzl, J. (North Carolina State University).
Conference: International Symposium on Wood and Pulping Chemistry
Source: 9th International Symposium on Wood and Pulping Chemistry: 1997: Oral Presentations (CPPA, Canadian Society for Chemistry, China Technical Association of the Paper Industry, EUCEPA, Japan TAPPI, Paprican, TAPPI, and Technical Association of the Australian and New Zealand Pulp and Paper Association): D3-1-D3-4 (June 12, 1997; CPPA). Engl.
Publication Year: 1997
Language: ENGLISH
- 29 Modifying Existing Bleach Plants for ECF Sequences with Low Chlorine Dioxide
Author: Jameel, H.; Chang, H. M.; Geng, Z. P.
Author Affiliation: Jameel, H. (North Carolina State University (Raleigh: NC: United States)).; Chang, H. M. (North Carolina State University (Raleigh: NC: United States)).; Geng, Z. P. (North Carolina State University (Raleigh: NC: United States)).
Conference: 1996 Pulping Conference
Source: 1996 Pulping Conference: Proceedings (TAPPI): 651-662 (October 27, 1996; TAPPI Press). Engl.
Publication Year: 1996
Language: ENGLISH
- 30 Use of AQ/PS [Polysulfide] Pulping Additives for the Production of Linerboard Pulp
Author: Prasad, D. Y.; Jameel, H.; Gratzl, J.; Tu, X.
Author Affiliation: Prasad, D. Y. (North Carolina State University (Raleigh: NC: United States)).; Jameel, H. (North Carolina State University (Raleigh: NC: United States)).; Gratzl, J. (North Carolina State University (Raleigh: NC: United States)).; Tu, X. (North Carolina State University (Raleigh: NC: United States)).
Conference: 1996 Pulping Conference
Source: 1996 Pulping Conference: Proceedings (TAPPI): 59-72 (October 27, 1996; TAPPI Press). Engl.
Publication Year: 1996
Language: ENGLISH
- 31 Bleachability Difference Between RDH and Kraft-O2 Pulps-Role of Phenolic Hydroxyl Groups in the Residual Lignin
Author: Kumar, K. R.; Jacobs, C.; Jameel, H.; Chang, H. M.

Author Affiliation: Kumar, K. R. (North Carolina State University (Raleigh: NC: United States)); Jacobs, C. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)).

Conference: 1996 International Pulp Bleaching Conference

Source: 1996 International Pulp Bleaching Conference: Proceedings (TAPPI, SPCI, Finnish Paper Engineers' Association, and CPPA Technical Section): 147-162 (April 14, 1996; TAPPI Press). Engl.

Publication Year: 1996

Language: ENGLISH

32 Reaction of Peroxyacids with Lignin and Lignin Model Compounds

Author: Kawamoto, H.; Chang, H. M.; Jameel, H.

Author Affiliation: Kawamoto, H. (North Carolina State University (Raleigh: NC: United States));

Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)).

Conference: International Symposium on Wood and Pulping Chemistry

Source: 8th International Symposium on Wood and Pulping Chemistry, June 6-9, 1995, Helsinki, Finland: Proceedings, 1: Oral Presentations (EuCePa, TAPPI, KCL, Japan TAPPI, and Appita): 383-390 (1995; Gummerus Kirjapaino Oy.). Engl.

Publication Year: 1995

Language: ENGLISH

33 Options for Metals Removal to Improve Peroxide Bleaching

Author: Jameel, H.; Zhan, H.; Chang, H. M.; Hoekstra, P. M.; Amini, B.

Author Affiliation: Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Zhan, H.

(North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Hoekstra, P. M. (Buckman Laboratories (Memphis: TN: United States)); Amini, B. (DuPont Co. (Wilmington: DE: United States)).

Conference: 1995 Pulping Conference

Source: 1995 Pulping Conference: Proceedings (TAPPI): 887-896 (October 1, 1995; TAPPI Press). Engl.

Publication Year: 1995

Language: ENGLISH

34 Extended Delignification of Hardwood with Anthraquinone and Polysulfide

Author: Prasad, D. Y.; Jameel, H.; Gratzl, J.

Author Affiliation: Prasad, D. Y. (North Carolina State University (Raleigh: NC: United States));

Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Gratzl, J. (North Carolina State University (Raleigh: NC: United States)).

Conference: 1995 Pulping Conference

Source: 1995 Pulping Conference: Proceedings (TAPPI): 371-392 (October 1, 1995; TAPPI Press). Engl.

Publication Year: 1995

Language: ENGLISH

35 Effect of Pulping Conditions on the Bleachability of Hardwoods

Author: Kumar, K. R.; Chang, H. M.; Jameel, H.

Author Affiliation: Kumar, K. R. (North Carolina State University (Raleigh: NC: United States));
Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North
Carolina State University (Raleigh: NC: United States)).
Conference: 1995 Pulping Conference
Source: 1995 Pulping Conference: Proceedings (TAPPI): 539-552 (October 1, 1995; TAPPI Press).
Engl.
Publication Year: 1995
Language: ENGLISH

- 36 Effects of Adding Anthraquinone and Polysulfide to the Modified Continuous Cooking (MCC) Process
Author: Griffin, C. W.; Kumar, K. R.; Gratzl, J.; Jameel, H.
Author Affiliation: Griffin, C. W. (Bear Island Paper Co. (Ashland: VA: United States)); Kumar, K. R.
(North Carolina State University (Raleigh: NC: United States)); Gratzl, J. (North Carolina State
University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC:
United States)).
Conference: 1995 Pulping Conference
Source: 1995 Pulping Conference: Proceedings (TAPPI): 19-30 (October 1, 1995; TAPPI Press).
Engl.
Publication Year: 1995
Language: ENGLISH
- 37 Mill Closure with High-Kappa Pulping and Extended Oxygen Delignification
Author: Parsad, B.; Kirkman, A.; Jameel, H.; Gratzl, J.; Magnotta, V.
Author Affiliation: Parsad, B. (North Carolina State University (Raleigh: NC: United States)); Kirkman,
A. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State
University (Raleigh: NC: United States)); Gratzl, J. (North Carolina State University (Raleigh: NC:
United States)); Magnotta, V. (Air Products & Chemicals Inc. (Allentown: PA: United States)).
Conference: 1995 Engineering Conference
Source: 1995 Engineering Conference: Proceedings (TAPPI): 341-348 (September 11, 1995; TAPPI
Press). Engl.
Publication Year: 1995
Language: ENGLISH
- 38 RDH Kraft Pulping and Bleaching of Two Bamboo Species from China
Author: Chang, H. M.; Jameel, H.; Shin, N. H.; Chin, F. Y. C.
Author Affiliation: Chang, H. M. (North Carolina State University (Raleigh: NC: United States));
Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Shin, N. H. (Beloit Corp.
(Dalton: MA: United States)); Chin, F. Y. C. (Beloit Corp. (Dalton: MA: United States)).
Conference: International Nonwood Fiber Pulping and Papermaking Conference
Source: Second International Nonwood Fiber Pulping and Papermaking Conference, 1: Proceedings
(China Technical Association of the Paper Industry, UNIDO, TAPPI, Pulp and Paper International,
and Paper Industry Research Institute of China): 45-60 (s.d.; s.n.). Engl.
Publication Year: 0
Language: ENGLISH
- 39 Peracids; Further Step in the Evolution to TCF Chemical Pulp Bleaching

Author: Anderson, J. R.; Webster, J. R.; Amini, B.; Wang, S.; Chang, H. M.; Jameel, H.
Author Affiliation: Anderson, J. R. (DuPont Canada Inc. (Mississauga: Ontario: Canada)); Webster, J. R. (DuPont Co. (Wilmington: DE: United States)); Amini, B. (DuPont Co. (Wilmington: DE: United States)); Wang, S. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)).
Conference: Appita Annual General Conference
Source: Appita Annual General Conference, Vol. 2 (Appita), Paper No. 3A13: 461-467 (1993; Appita). Engl.
Publication Year: 1993
Language: ENGLISH

- 40 Use of Peracids to Produce Pulps with High Brightness and Low AOX
Author: Geng, Z. P.; Chang, H. M.; Jameel, H.; Webster, J.; Amini, B.
Author Affiliation: Geng, Z. P. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Webster, J. (DuPont Co. (Wilmington: DE: United States)); Amini, B. (DuPont Co. (Wilmington: DE: United States)).
Conference: 1994 International Pulp Bleaching Conference
Source: 1994 International Pulp Bleaching Conference: Text of Posters to Be Presented Wednesday, June 15, 1994 (CPPA, TAPPI, Svenska Pappers, and Comite Europeen de Liaison pour la Cellulose et le Papier): 25-36 (June 15, 1994; CPPA). Engl.
Publication Year: 1994
Language: ENGLISH
- 41 Preparation of Peracids for Bleaching
Author: Wang, S.; Chang, H. M.; Jameel, H.; Amini, B.
Author Affiliation: Wang, S. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Amini, B. (DuPont Co. (Wilmington: DE: United States)).
Conference: 1994 Pulping Conference
Source: 1994 Pulping Conference: Proceedings (TAPPI): 531-542 (November 10, 1994; TAPPI Press). Engl.
Publication Year: 1994
Language: ENGLISH
- 42 Extended Delignification with AQ/Polysulfide
Author: Jameel, H.; Gratzl, J. S.; Prasad, D. Y.; Chivukula, S.
Author Affiliation: Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Gratzl, J. S. (North Carolina State University (Raleigh: NC: United States)); Prasad, D. Y. (North Carolina State University (Raleigh: NC: United States)); Chivukula, S. (North Carolina State University (Raleigh: NC: United States)).
Conference: 1994 Pulping Conference
Source: 1994 Pulping Conference: Proceedings (TAPPI): 781-798 (November 10, 1994; TAPPI Press). Engl.
Publication Year: 1994
Language: ENGLISH

- 43 New High-Efficiency Peroxide Bleaching Process and Its Use for ECF Sequences
Author: Xu, C.; Jameel, H.; Chang, H. M.; Hoekstra, P. M.
Author Affiliation: Xu, C. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Hoekstra, P. M. (Buckman Laboratories International Inc. (Memphis: TN: United States)).
Conference: 1994 Pulping Conference
Source: 1994 Pulping Conference: Proceedings (TAPPI): 1331-1344 (November 10, 1994; TAPPI Press). Engl.
Publication Year: 1994
Language: ENGLISH
- 44 Peroxymonosulfuric Acid and a Mixed Peracid Solution as Bleaching Agents
Author: Song, J.; Pan, D.; Chang, H. M.; Jameel, H.
Author Affiliation: Song, J. (North Carolina State University. (Raleigh: NC: United States)); Pan, D. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)).
Conference: CTAPI 7th Int. Symp. Wood Pulping Chem. Proc., Vol. 1 (Beijing)
Source: CTAPI 7th Int. Symp. Wood Pulping Chem. Proc., Vol. 1 (Beijing): 34-43 (May 25-28, 1993). Engl.
Publication Year: 1993
Language: ENGLISH
- 45 Effects of Pretreatment Conditions on Delignification in RDH-Kraft Pulping
Author: Abuhasan, M. J.; Falls, D. F.; Jameel, H.; Chang, H. M.; Kirkman, A. G.; Andrews, E. K.
Author Affiliation: Abuhasan, M. J. (North Carolina State University. (Raleigh: NC: United States)); Falls, D. F. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)); Kirkman, A. G. (North Carolina State University. (Raleigh: NC: United States)); Andrews, E. K. (Beloit Fiber Systems. (Dalton: MA: United States)).
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Publication Year: 1993
Language: ENGLISH
- 46 Ozone Activation of Oxygen Bleaching and TCF Bleaching Sequences
Author: Rost, T.; Parsad, B.; Gratzl, J. S.; Jameel, H.; Magnotta, V. L.
Author Affiliation: Rost, T. (North Carolina State University. (Raleigh: NC: United States)); Parsad, B. (North Carolina State University. (Raleigh: NC: United States)); Gratzl, J. S. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Magnotta, V. L. (Air Products & Chemicals Inc. (Allentown: PA: United States)).
Conference: Pulping Conf. (Atlanta) Proc. (Book 3)
Source: Pulping Conf. (Atlanta) Proc. (Book 3): 1109-1124 (TAPPI; Nov. 1-3, 1993). Engl.
Publication Year: 1993
Language: ENGLISH

- 47 Extended Delignification by Kraft Pulping Followed by Oxygen/Alkali Treatment: Technical and Economic Evaluation
Author: Parsad, B.; Gratzl, J.; Kirkman, A.; Jameel, H.; Rost, T.; Magnotta, V.
Author Affiliation: Parsad, B. (North Carolina State University. (Raleigh: NC: United States)); Gratzl, J. (North Carolina State University. (Raleigh: NC: United States)); Kirkman, A. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Rost, T. (North Carolina State University. (Raleigh: NC: United States)); Magnotta, V. (Air Products & Chemicals Inc. (Allentown: PA: United States)).
Conference: Pulping Conf. (Atlanta) Proc. (Book 1)
Source: Pulping Conf. (Atlanta) Proc. (Book 1): 297-312 (TAPPI; Nov. 1-3, 1993). Engl.
Publication Year: 1993
Language: ENGLISH
- 48 Mixed Peracids: Manufacture and Use as Nonchlorine Delignification and Bleaching Agents
Author: Geng, Z. P.; Chang, H. M.; Jameel, H.; Evans, B.; Amini, B.; Webster, J. R.
Author Affiliation: Geng, Z. P. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Evans, B. (DuPont Co. (Wilmington: DE: United States)); Amini, B. (DuPont Co. (Wilmington: DE: United States)); Webster, J. R. (DuPont Co. (Wilmington: DE: United States)).
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Source: Pulping Conf. (Atlanta) Proc. (Book 1): 353-362 (TAPPI; Nov. 1-3, 1993). Engl.
Publication Year: 1993
Language: ENGLISH
- 49 Combined Discrete-Continuous Simulation of RDH Tank Farm
Author: Sezgi, U. S.; Kirkman, A. G.; Jameel, H.; Chang, H. M.; Morrison, J. J.; Bianchini, C. A.
Author Affiliation: Sezgi, U. S. (North Carolina State University. (Raleigh: NC: United States)); Kirkman, A. G. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)); Morrison, J. J. (Beloit Fiber Systems. (Dalton: MA: United States)); Bianchini, C. A. (Beloit Fiber Systems. (Dalton: MA: United States)).
Conference: Eng. Conf. (Orlando) Proc. (Book 2)
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Publication Year: 1993
Language: ENGLISH
- 50 Future Pulping Technologies
Author: Jameel, H.
Author Affiliation: Jameel, H. (North Carolina State University. (Raleigh: NC: United States)).
Conference: Annual Mtg. (Atlanta) Proc.
Source: Annual Mtg. (Atlanta) Proc.: 171-181 (TAPPI; March 2-4, 1992). Engl.
Publication Year: 1992
Language: ENGLISH
- 51 Elemental Chlorine-Free (ECF) and Total Chlorine-Free (TCF) Bleaching of RDH Hardwoods
Author: Kumar, K. R.; Chang, H.-M.; Jameel, H.; Shin, N. H.

Author Affiliation: Kumar, K. R. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Shin, N. H. (Beloit Corp. (Dalton: MA: United States)).

Conference: Pulping Conf. (Boston) Proc. (Book 1)

Source: Pulping Conf. (Boston) Proc. (Book 1): 169-184 (TAPPI; Nov. 1-5, 1992). Engl.

Publication Year: 1992

Language: ENGLISH

- 52 Extending the Digester Delignification with Anthraquinone
Author: Rajan, P. S.; Griffin, C. W.; Jameel, H.; Gratzl, J. S.
Author Affiliation: Rajan, P. S. (North Carolina State University. (Raleigh: NC: United States)); Griffin, C. W. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Gratzl, J. S. (North Carolina State University. (Raleigh: NC: United States)).
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Publication Year: 1992
Language: ENGLISH
- 53 Effects of Alkali Charge and White-Liquor Sulfidity on Rapid Displacement Heating (RDH) Kraft Pulping
Author: Abuhasan, M. J.; Sezgi, U. S.; Jameel, H.; Chang, H.-M.; Kirkman, A. G.; Andrews, E. K.
Author Affiliation: Abuhasan, M. J. (North Carolina State University. (Raleigh: NC: United States)); Sezgi, U. S. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)); Kirkman, A. G. (North Carolina State University. (Raleigh: NC: United States)); Andrews, E. K. (Beloit Fiber Systems. (Dalton: MA: United States)).
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Source: Pulping Conf. (Boston) Proc. (Book 3): 1023-1036 (TAPPI; Nov. 1-5, 1992). Engl.
Publication Year: 1992
Language: ENGLISH
- 54 Optimization of Process Variables in the (DC) Prebleaching Stage
Author: Bradbury, J.; Jameel, H.; Chang, H. M.
Author Affiliation: Bradbury, J. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)).
Conference: For. Prod. Symp. (1989 San Francisco/1990 Chicago)
Source: For. Prod. Symp. (1989 San Francisco/1990 Chicago): 105-112 (TAPPI; Nov. 5-10, 1989/Nov. 11-16, 1990). Engl.
Publication Year: 1990
Language: ENGLISH
- 55 Bleaching of Low Kappa Pulps with High/Low pH Chlorine Dioxide Bleaching
Author: Seger, G.; Jameel, H.; Chang, H.-M.

Author Affiliation: Seger, G. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
Conference: Appita 45th Annual Gen. Conf. (Australia) Proc., Vol. 1
Source: Appita 45th Annual Gen. Conf. (Australia) Proc., Vol. 1: 165-172 (April 30-May 1, 1991). Engl.
Publication Year: 1991
Language: ENGLISH

- 56 Effect of Anthraquinone in Rapid Displacement Heating (RDH) Kraft Pulping
Author: Sezgi, U. S.; Abuhasan, M. J.; Jameel, H.; Chang, H.-M.
Author Affiliation: Sezgi, U. S. (North Carolina State University. (Raleigh: NC: United States)); Abuhasan, M. J. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
Conference: Appita 45th Annual Gen. Conf. (Australia) Proc., Vol. 2
Source: Appita 45th Annual Gen. Conf. (Australia) Proc., Vol. 2: 213-219 (May 2-3, 1991). Engl.
Publication Year: 1991
Language: ENGLISH
- 57 Bleaching of Softwood RDH [Rapid Displacement Heating] Pulps with Low/No Chlorine Bleaching Sequences
Author: Shin, N. H.; Sundaram, M.; Jameel, H.; Chang, H.-M.
Author Affiliation: Shin, N. H. (Beloit Pulping Systems. (Pittsfield: MA: United States)); Sundaram, M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
Conference: Environ. Conf. (San Antonio) Proc. (Book 2)
Source: Environ. Conf. (San Antonio) Proc. (Book 2): 549-560 (TAPPI; April 7-10, 1991). Engl. cf. ABIPST 62: abstr. 3231.
Publication Year: 1991
Language: ENGLISH
- 58 Hydrogen Peroxide-Reinforced Extraction Lowers Chlorinated Organics and Color in Bleach-Plant Effluent
Author: Klein, R. J.; Meng, T. Y.; Jameel, H.; Sundaram, M.
Author Affiliation: Klein, R. J. (FMC Corp. (Princeton: NJ: United States)); Meng, T. Y. (FMC Corp. (Princeton: NJ: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Sundaram, M. (North Carolina State University. (Raleigh: NC: United States)).
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Source: Environ. Conf. (San Antonio) Proc. (Book 2): 561-567 (TAPPI; April 7-10, 1991). Engl. cf. ABIPST 62: abstr. 3191.
Publication Year: 1991
Language: ENGLISH
- 59 Dioxin Brownstock: Industry Overview
Author: Farlow, M.; Keegan, K.; Allen, L. H.; Jameel, H.; Joyce, T. W.; Cully, T. G.; Cohen, S. C.; Twoomey, L. F.

Author Affiliation: Keegan, K. (Henkel Corp. (Charlotte: NC: United States)); Allen, L. H. (Paprican. (Pointe Claire: Qc.: Canada)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Joyce, T. W. (North Carolina State University. (Raleigh: NC: United States)); Cully, T. G. (Petro-Canada Products. (Calgary: Alta.: Canada)); Cohen, S. C. (Petro-Canada Products. (Toronto: Ont.: Canada)); Twoomey, L. F. (Nalco Chemical Co. (Naperville: IL: United States)).
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Source: TAPPI Pulping Conf. (Toronto) Proc. (Book 2): 977-987 (Oct. 14-17, 1990). Engl.
Publication Year: 1990
Language: ENGLISH

- 60 Bleaching of Softwood RDH [Rapid Displacement Heating] Pulps with Low/No-Chlorine Bleaching Sequences
Author: Shin, N. H.; Sundaram, M.; Jameel, H.; Chang, H.-M.
Author Affiliation: Shin, N. H. (Beloit Pulping Systems. (Pittsfield: MA: United States)); Sundaram, M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
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Source: TAPPI Pulping Conf. (Toronto) Proc. (Book 2): 817-828 (Oct. 14-17, 1990). Engl.
Publication Year: 1990
Language: ENGLISH
- 61 Two-Stage Bleaching with Chlorine Dioxide and Mixtures of Chlorine/Chlorine Dioxide in the D Stage
Author: Seger, G.; Jameel, H.; Chang, H.-M.
Author Affiliation: Seger, G. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
Conference: TAPPI Pulping Conf. (Toronto) Proc. (Book 2)
Source: TAPPI Pulping Conf. (Toronto) Proc. (Book 2): 921-931 (Oct. 14-17, 1990). Engl.
Publication Year: 1990
Language: ENGLISH
- 62 Hydrogen Peroxide-Reinforced Extraction Lowers Chlorinated Organics and Color in Bleach-Plant Effluent
Author: Klein, R. J.; Meng, T. Y.; Jameel, H.; Sundaram, V. S. M.
Author Affiliation: Klein, R. J. (FMC Corp. (Princeton: NJ: United States)); Meng, T. Y. (FMC Corp. (Princeton: NJ: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Sundaram, V. S. M. (North Carolina State University. (Raleigh: NC: United States)).
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Publication Year: 1990
Language: ENGLISH
- 63 Energy Considerations in CTMP Expansions for Board Mills
Author: Jameel, H.; Knoernschild, K. J.
Author Affiliation: Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Knoernschild, K. J. (Black & Veatch. (Raleigh: NC: United States)).

Conference: TAPPI Eng. Conf. (Seattle) Proc. (Book 2)
Source: TAPPI Eng. Conf. (Seattle) Proc. (Book 2): 513-523 (Sept. 24-27, 1990). Engl.
Publication Year: 1990
Language: ENGLISH

- 64 High-Efficiency Chlorine Dioxide Bleaching
Author: Seger, G. E.; Chang, H.-M.; Jameel, H.
Author Affiliation: Seger, G. E. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)).
Conference: TAPPI Pulping Conf. (Seattle) Proc. (Book 2)
Source: TAPPI Pulping Conf. (Seattle) Proc. (Book 2): 549-555 (Oct. 22-25, 1989). Engl.
Publication Year: 1989
Language: ENGLISH
- 65 Hydrogen Peroxide-Reinforced Oxygen Delignification of Southern (Loblolly) Pine [*Pinus taeda*] Kraft Pulp and Short-Sequence Bleaching
Author: Parthasarathy, V. R.; Sundaram, V. S. M.; Jameel, H.; Gratzl, J. S.; Klein, R.
Author Affiliation: Parthasarathy, V. R. (Research Triangle Institute, Dept. of Polymer Sciences. (Research Triangle Park: NC: United States)); Sundaram, V. S. M. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Gratzl, J. S. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Klein, R. (FMC Corp. (Princeton: NJ: United States)).
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Source: TAPPI Pulping Conf. (Seattle) Proc. (Book 2): 539-547 (Oct. 22-25, 1989). Engl.
Publication Year: 1989
Language: ENGLISH
- 66 NEW OPPORTUNITIES FOR IN-PLANT REDUCTION OF POLLUTANTS THROUGH PROCESS CHANGES
Author: Renard, J. J.; Jameel, H.; Phillips, R. B.; Rudie, A. W.; International Paper Co
Conference: TAPPI Ann. Mtg. (Chicago) Proc.
Source: TAPPI Ann. Mtg. (Chicago) Proc.: 267-277 (March 2-5, 1981).
Publication Year: 1981
Language: ENGLISH

JOURNAL ARTICLES

- 1 Precipitation of extractives onto kraft pulps during black liquor recycling in extended delignification process
Author: Dai, Qizhou; Jameel, Hasan; Chang, Hou-Min
Author Affiliation: Dai, Qizhou (Department of Wood and Paper Science College of Natural Resources North Carolina State University: Raleigh, NC 27695-8005: United States)
Source: J Wood Chem Technol 26, no. 1: 35-51 (January 2006.) (English)
Publication Year: 2006
Language: ENGLISH
- 2 Quantitative ¹³C NMR characterization of milled wood lignins isolated by different milling techniques
Author: Holtman, Kevin M.; Chang, Hou-Min; Jameel, Hasan; Kadla, John F.
Author Affiliation: Holtman, Kevin M. (Advanced Biomaterials Chemistry University of British Columbia: Vancouver, BC V6T 1Z4: Canada)
Source: J Wood Chem Technol 26, no. 1: 21-34 (January 2006.) (English)
Publication Year: 2006
Language: ENGLISH
- 3 Hard to remove water in cellulose fibers characterized by high resolution thermogravimetric analysis - Methods development
Author: Park, Sunkyu; Venditti, Richard A.; Jameel, Hasan; Pawlak, Joel J.
Author Affiliation: Park, Sunkyu (Department of Wood and Paper Science North Carolina State University: Raleigh, NC 27695-8005: United States)
Source: Cellulose 13, no. 1: 23-30 (February 2006.) (English)
Publication Year: 2006
Language: ENGLISH
- 4 Elucidating carboxylic acid profiles for extended oxygen delignification of high-kappa softwood kraft pulps
Author: Zhang, Dongcheng; Pu, Yunqiao; Chai, Xing-Sheng; Naithani, Ved; Jameel, Hasan; Ragauskas, Arthur J.
Author Affiliation: Zhang, Dongcheng (Institute of Paper Science and Technology Georgia Institute of Technology: Atlanta, GA 30332-0620: United States)
Source: Holzforschung 60, no. 2: 123-129 (Mar 1 2006.) (English)
Publication Year: 2006
Language: ENGLISH
- 5 A low-temperature, black liquor gasifier a model for use in WinGEMS
Author: Lindstrom, Mathias; Naithani, Ved; Kirkman, Adrianna; Jameel, Hasan
Author Affiliation: Lindstrom, Mathias (Dept. of Wood and Paper Science North Carolina State University: Raleigh, NC 27695-8005: United States)
Source: Tappi J. 5, no. 2: 20-24 (February 2006.) (English)
Publication Year: 2006
Language: ENGLISH

- 6 The effect of fibre properties on fibre fractionation using a hydrocyclone
Author: Park, S.; Venditti, R.A.; Jameel, H.; Pawlak, J.J.
Author Affiliation: Park, S. (Dept. Wood Paper Sci. North Carolina State Univ.: Raleigh, NC 27695-8005: United States)
Source: J Pulp Pap Sci 31, no. 3: 132-137 (July/August/September 2005.) (English)
Publication Year: 2005
Language: ENGLISH
- 7 The role of non-phenolic lignin in chlorate-forming reactions during chlorine dioxide bleaching of softwood kraft pulp
Author: Svenson, Doug R.; Chang, Hou-Min; Jameel, Hasan; Kadla, John F.
Author Affiliation: Svenson, Doug R. (4034 Forest Science Centre University of British Columbia: Vancouver, BC V6T 1Z4: Canada)
Source: Holzforschung 59, no. 2: 110-115 (2005.) (English)
Publication Year: 2005
Language: ENGLISH
- 8 Bleachability of kraft pulps from earlywood and latewood of fast-growing loblolly pine
Author: Dai, Qizhou; Jameel, Hasan; Chang, Hou-Min; Kadla, John F.
Author Affiliation: Dai, Qizhou (University of British Columbia: Vancouver, BC V6T 1Z4: Canada)
Source: J Wood Chem Technol 24, no. 4: 357-370 (2004.) (English)
Publication Year: 2004
Language: ENGLISH
- 9 The Effects of Adhesive Properties on Adhesive Particle Breakage and Passage During Paper Recycling Operations
Author: Lucas, Bradley E.; Venditti, Richard A.; Jameel, Hasan
Author Affiliation: Lucas, Bradley E. (Department of Wood and Paper Science North Carolina State University Box 8005: Raleigh, NC 27695-8005: United States)
Source: Progr Pap Recycl 13, no. 2: 20-28 (February 2004.) (English)
Publication Year: 2004
Language: ENGLISH
- 10 Pulping Wax Containing Old Corrugated Containers with Hardwood Chips in a Kraft Pulping Operation
Author: Welf, Erik S.; Venditti, Richard A.; Jameel, Hasan; Renard, Jean J.
Author Affiliation: Welf, Erik S. (North Carolina State University Dept. of Wood and Paper Science: Raleigh, NC 27695-8005: United States)
Source: Progr Pap Recycl 12, no. 2: 13-18 (February 2003.) (English)
Publication Year: 2003
Language: ENGLISH
- 11 Fiber fractionation of mixed office waste for production of value-added products
Author: Vinson, K.; Byrd, M.; Jameel, H.; Chang, H.-M.; Venditti, R.; Heitmann, J.; Kirkman, A.
Author Affiliation: Vinson, K. (The Procter and Gamble Company: Cincinnati, OH: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,,: 1115-1128 (2001.) (English)

Publication Year: 2001

Language: ENGLISH

- 12 Microwaving of logs to increase yield and decrease chemical usage
Author: Jameel, Hasan; Chang, Hou-Min; Compere, Alicia; Griffith, Bill
Author Affiliation: Jameel, Hasan (North Carolina State University: Raleigh, NC 27695: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,: 1027-1036 (2001.) (English)
Publication Year: 2001
Language: ENGLISH
- 13 Soda-AQ pulping of cotton stalks
Author: Ali, Mona; Byrd, Medwick; Jameel, Kasan
Author Affiliation: Ali, Mona (National Research Centre: Cairo: Egypt)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,: 941-949 (2001.) (English)
Publication Year: 2001
Language: ENGLISH
- 20 Methanol generation as a function of kraft pulping conditions
Author: Kirkman, Adrianna G.; Jameel, Hasan; Chang, Hou-Min; Redmon, Loletta
Author Affiliation: Kirkman, Adrianna G. (Wood and Paper Science Department N. C. State University: Raleigh, NC 27695: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,: 917-928 (2001.) (English)
Publication Year: 2001
Language: ENGLISH
- 21 Three novel wax removal methods for wax containing old corrugated containers: Carbon dioxide extraction, Kraft pulping and agglomeration
Author: Venditti, Richard A.; Kadla, John F.; Gilbert, Richard D.; Jameel, Hasan; Chang, Hou-Min
Author Affiliation: Venditti, Richard A. (North Carolina State University Department of Wood and Paper Science: Raleigh, NC 27695-8005: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,: 789-796 (2001.) (English)
Publication Year: 2001
Language: ENGLISH
- 22 Effect of digester relief on the bleachability of softwood kraft pulps from modified batch processes
Author: Dai, Qizhou; Chang, Hou-Min; Jameel, Hasan
Author Affiliation: Dai, Qizhou (Department of Wood and Paper Science North Carolina State University: Raleigh, NC 27695-8005: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference

Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,,: 767-777 (2001.) (English)
Publication Year: 2001
Language: ENGLISH

- 23 Breakage and extrusion of pressure sensitive adhesives in industrial and laboratory screening processes
Author: Lucas, Bradley E.; Venditti, Richard A.; Jameel, Hasan
Author Affiliation: Lucas, Bradley E. (North Carolina State University Department of Wood Science: Raleigh, NC 27695-8005: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,,: 637-644 (2001.) (English)
Publication Year: 2001
Language: ENGLISH
- 24 Pulping of short rotation sycamore coppice to maximize productivity
Author: Jameel, Hasan; Robison, Daniel J.; Chang, Hou-min; McMurray, Jim
Author Affiliation: Jameel, Hasan (College of Natural Resources North Carolina State University: Raleigh, NC 27695: United States)
Conference: Proceedings of the 2001 TAPPI Pulping Conference
Source: Pulping Conf Proc Tech Assoc Pulp Pap Ind Proceedings of the 2001 TAPPI Pulping Conference. 11/04-07/01, Seattle, WA, United States,,: 499-511 (2001.) (English)
Publication Year: 2001
Language: ENGLISH
- 25 Oxygen delignification chemistry and its impact on pulp fibers
Author: Yang, Rallming; Lucia, Lucian; Ragauskas, Arthur J.; Jameel, Hasan
Author Affiliation: Yang, Rallming (Inst. of Paper Sci. and Technol.: Atlanta, GA 30318: United States)
Source: J Wood Chem Technol 23, no. 1: 13-29 (February 2003.) (English)
Publication Year: 2003
Language: ENGLISH
- 26 The reactions of lignin model compounds with hydrogen peroxide at low pH
Author: Kishimoto, Takao; Kadla, John F.; Chang, Hou-Min; Jameel, Hasan
Author Affiliation: Kishimoto, Takao (Dept. of Wood and Paper Science North Carolina State University: Raleigh, NC: United States)
Source: Holzforschung 57, no. 1: 52-58 (2003.) (English)
Publication Year: 2003
Language: ENGLISH
- 27 Reactions of lignin with peroxyphosphoric acid: The degradation of lignin model compounds
Author: Zhu, Tian; Kadla, John F.; Chang, Hou-Min; Jameel, Hasan
Author Affiliation: Zhu, Tian (Dept. of Wood and Paper Science North Carolina State University: Raleigh, NC: United States)
Source: Holzforschung 57, no. 1: 44-51 (2003.) (English)
Publication Year: 2003

Language: ENGLISH

- 28 Study on bleachability of RDH pulp
Author: Li, Youming; Chang, B.H.; Jameel, H.
Author Affiliation: Li, Youming (South China Univ of Technology).
Source: Chung kuo Tsao Chih 18, no. 5: 36-38 (Sep 1999). Chin.
Publication Year: 1999
Language: CHINESE
- 29 Combined discrete-continuous simulation
Author: Sezgi, U.S.; Pulping, Beloit; Wheles, J.; Jameel, H.; Kirkman, A.G.
Author Affiliation: Sezgi, U.S. (Int Paper).
Source: Process Control News Pulp Paper Indus 19, no. 12: 5-6 (Dec 1999). Engl.
Publication Year: 1999
Language: ENGLISH
- 30 Effects of alkali charge and white liquor sulfidity on rapid displacement heating (RDH) kraft pulping
Author: Sezgi, Umit S.; Abuhasan, M. Jamil; Jameel, Hasan; Chang, Hou-min; Kirkman, Adrianna G.
Author Affiliation: Sezgi, Umit S. (Beloit Pulping).
Source: Cel Pap 15, no. 2: 3-12 (Jul 1999). Engl.
Publication Year: 1999
Language: ENGLISH
- 31 Modified lignin and delignification with a CAD-deficient loblolly pine
Author: MacKay, John; Presnell, Tim; Jameel, Hasan; Taneda, Hidetaka; O'Malley, David; Sederoff, Ronald
Author Affiliation: MacKay, John (North Carolina State Univ).
Source: Holzforschung 53, no. 4: 403-410 (1999). Engl.
Publication Year: 1999
Language: ENGLISH
- 32 Studies on bleachability of RDH pulp
Author: Li, Youming; Chang, H.-M.; Jameel, H.
Author Affiliation: Li, Youming (South China Univ of Technology).
Source: Chung kuo Tsao Chih 18, no. 5: 36-38 (1999). Chin.
Publication Year: 1999
Language: CHINESE
- 33 Enzyme bleaching following kraft/anthraquinone or kraft/anthraquinone/polysulfide pulping
Author: Nemeth, A.; Jameel, H.; Joyce, T.W.; Kovacs, I.; Erdelyi, D.J.
Author Affiliation: Nemeth, A. (Univ of Sopron).
Source: Cellul Chem Technol 32, no. 3-4: 291-298 (May-Aug 1998). Engl.
Publication Year: 1998
Language: ENGLISH
- 34 Selective effect of lignin-containing black liquor pretreatment in RDH digestion
Author: Li, Youming; Chang, H.-M.; Jameel, H.

- Author Affiliation: Li, Youming (South China Univ of Technology).
Source: Zhongguo Zaozh Xuebao 13: 3-7 (Dec 1998). Chin.
Publication Year: 1998
Language: CHINESE
- 35 Influence of pretreatment on the selectivity of delignification in RDH pulping
Author: Li, Youming; Jameel, H.; Hou, Mingchang
Author Affiliation: Li, Youming (South China Univ of Technology).
Source: Chung kuo Tsao Chih 17, no. 1: 10-14 (1998). Chin.
Publication Year: 1998
Language: CHINESE
- 36 Effect of metal ions on pressurized/high temperature hydrogen peroxide bleaching
Author: Zeng, Zhang; Zhang, Houmin; Jameel, Hasan
Author Affiliation: Zeng, Zhang (South China Univ of Technology).
Source: Chung kuo Tsao Chih 17, no. 4: 14-17 (Jul 1998). Engl.
Publication Year: 1998
Language: ENGLISH
- 37 Enzyme bleaching following kraft/anthraquinone or kraft/anthraquinone/polysulfide pulping
Author: Nemeth, A.; Jameel, H.; Joyce, T.W.; Kovacs, I.; Erdelyi, D.J.
Author Affiliation: Nemeth, A. (Univ of Sopron).
Source: Cellul Chem Technol 32, no. 3-4: 291-298 (May-Aug 1998). Engl.
Publication Year: 1998
Language: ENGLISH
- 38 Selective effect of lignin-containing black liquor pretreatment in RDH digestion
Author: Li, Youming; Chang, H.-M.; Jameel, H.
Author Affiliation: Li, Youming (South China Univ of Technology).
Source: Zhongguo Zaozh Xuebao 13: 3-7. Chin.
Publication Year: 1998
Language: CHINESE
- 39 Influence of Pretreatment on the Selectivity of Delignification in RDH Pulping
Author: Li, Y.; Jameel, H.; Chang, H.
Author Affiliation: Li, Y. (South China University of Technology).; Jameel, H. (North Carolina State University).; Chang, H. (North Carolina State University).
Source: China Pulp Pap. 17, no. 2: 10-14 (March 1998). Chin.; Engl. sum.
Publication Year: 1998
Language: CHINESE
- 40 Reactions of Lignins with Hydrogen Peroxide at High Temperature; Oxidation of Lignin Model Compounds
Author: Kadla, J.; Chang, H.; Jameel, H.
Author Affiliation: Kadla, J. (North Carolina State University).; Chang, H. (North Carolina State University).; Jameel, H. (North Carolina State University).
Source: Holzforschung 51, no. 5: 428-434 (1997). Engl.

Publication Year: 1997

Language: ENGLISH

- 41 Conventional and RDH Kraft Pulping of Larch [Larix]
Author: Yang, S.; Zhan, H.; Jameel, H.; Chang, H.
Author Affiliation: Yang, S. (Tianjin Institute of Light Industry).; Zhan, H. (South China University of Technology).; Jameel, H. (University of North Carolina).; Chang, H. (University of North Carolina).
Source: China Pulp Pap. 16, no. 5: 7-12 (September 1997). Chin.; Engl. sum.
Publication Year: 1997
Language: CHINESE
- 42 Mill Closure with High-Kappa Pulping and Extended Oxygen Delignification
Author: Parsad, B.; Kirkman, A.; Jameel, H.; Gratzl, J.; Magnotta, V.
Author Affiliation: Parsad, B. (North Carolina State University (Raleigh: NC: United States)).; Kirkman, A. (North Carolina State University (Raleigh: NC: United States)).; Jameel, H. (North Carolina State University (Raleigh: NC: United States)).; Gratzl, J. (North Carolina State University (Raleigh: NC: United States)).; Magnotta, V. (Air Products & Chemicals Inc. (Allentown: PA: United States)).
Source: Tappi J. 79, no. 9: 97, 105, 112, 144-152 (September 1996). Engl.; Jap. and Chin. sum. cf. ABIPST 66: abstr. 5381.
Publication Year: 1996
Language: ENGLISH
- 43 Novel Approach to Black-Liquor Viscosity Reduction Using Salt Additives
Author: Roberts, J. E.; Khan, S. A.; Spontak, R. J.; Jameel, H.
Author Affiliation: Roberts, J. E. (North Carolina State University (Raleigh: NC: United States)).; Khan, S. A. (North Carolina State University (Raleigh: NC: United States)).; Spontak, R. J. (North Carolina State University (Raleigh: NC: United States)).; Jameel, H. (North Carolina State University (Raleigh: NC: United States)).
Source: Tappi J. 79, no. 8: 167-174 (August 1996). Engl.; Jap. and Chin. sum.
Publication Year: 1996
Language: ENGLISH
- 44 Laboratory Kraft Pulping of Juvenile Tropical Pines; Pinus patula [Mexican Pine], Pinus tecunumanii, Pinus maximinoi, and Pinus chiapensis
Author: Wright, J. A.; Jameel, H.; Dvorak, W.
Author Affiliation: Wright, J. A. (Smurfit Carton de Colombia (Cali: Colombia)).; Jameel, H. (North Carolina State University (Raleigh: NC: United States)).; Dvorak, W. (North Carolina State University (Raleigh: NC: United States)).
Source: Tappi J. 79, no. 4: 187-191 (April 1996). Engl.
Publication Year: 1996
Language: ENGLISH
- 45 Extended Delignification with AQ/Polysulfide
Author: Jameel, H.; Gratzl, J.; Prasad, D. Y.; Chivukula, S.
Author Affiliation: Jameel, H. (North Carolina State University (Raleigh: NC: United States)).; Gratzl, J. (North Carolina State University (Raleigh: NC: United States)).; Prasad, D. Y. (North Carolina State

- University (Raleigh: NC: United States)); Chivukula, S. (North Carolina State University (Raleigh: NC: United States)).
Source: Tappi J. 78, no. 9: 151-160 (September 1995). Engl. cf. ABIPST 65: abstr. 11059.
Publication Year: 1995
Language: ENGLISH
- 46 TCF Bleaching of Wheat-Straw Organocell Pulp
Author: Pekaroviccova, A.; Jameel, H.; Joyce, T. W.
Author Affiliation: Pekaroviccova, A. (SVST (Bratislava: Slovakia)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Joyce, T. W. (North Carolina State University (Raleigh: NC: United States)).
Source: Cellul. Chem. Technol. 28, no. 5: 551-561 (September/October 1994). Engl.
Publication Year: 1994
Language: ENGLISH
- 47 Removal of Chlorophenolics from an Aerated Lagoon
Author: Graves, J.; Jameel, H.; Joyce, T. W.
Author Affiliation: Graves, J. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Joyce, T. W. (North Carolina State University (Raleigh: NC: United States)).
Source: Tappi J. 78, no. 5: 99-104 (May 1995). Engl.
Publication Year: 1995
Language: ENGLISH
- 48 High-Kappa Pulping and Extended Oxygen Delignification Decreases Recovery Cycle Load
Author: Parsad, B.; Gratzl, J. S.; Kirkman, A.; Jameel, H.; Rost, T.; Magnotta, V.
Author Affiliation: Parsad, B. (North Carolina State University (Raleigh: NC: United States)); Gratzl, J. S. (North Carolina State University (Raleigh: NC: United States)); Kirkman, A. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Rost, T. (North Carolina State University (Raleigh: NC: United States)); Magnotta, V. (Air Products and Chemicals Inc. (Allentown: PA: United States)).
Source: Tappi J. 77, no. 11: 135-147 (November 1994). Engl. cf. ABIPST 64: abstr. 11697.
Publication Year: 1994
Language: ENGLISH
- 49 Laboratory-Scale Medium-Consistency Ozone Bleaching System
Author: Sreeram, C.; Sundaram, V. S. M.; Jameel, H.; Chang, H. M.
Author Affiliation: Sreeram, C. (North Carolina State University (Raleigh: NC: United States)); Sundaram, V. S. M. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)).
Source: Tappi J. 77, no. 10: 161-168 (October 1994). Engl.
Publication Year: 1994
Language: ENGLISH
- 50 Medium-Consistency Ozone Bleaching with Enzyme Pretreatment
Author: Brown, J.; Cheek, M. C.; Jameel, H.; Joyce, T. W.

Author Affiliation: Brown, J. (Ciba-Geigy Corp. (Greensboro: NC: United States)); Cheek, M. C. (Ciba-Geigy Corp. (Greensboro: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Joyce, T. W. (North Carolina State University (Raleigh: NC: United States)).

Source: Tappi J. 77, no. 11: 105-109 (November 1994). Engl.

Publication Year: 1994

Language: ENGLISH

51 Combined Discrete-Continuous Simulation Model of an RDH Tank Farm

Author: Sezgi, U. S.; Kirkman, A. G.; Jameel, H.; Chang, H. M.; Morrison, J. J.; Bianchini, C. A.; Wilson, J. R.

Author Affiliation: Sezgi, U. S. (North Carolina State University (Raleigh: NC: United States)); Kirkman, A. G. (North Carolina State University (Raleigh: NC: United States)); Jameel, H. (North Carolina State University (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University (Raleigh: NC: United States)); Morrison, J. J. (Beloit Corp. (Jacksonville: FL: United States)); Wilson, J. R. (North Carolina State University (Raleigh: NC: United States)).

Source: Tappi J. 77, no. 7: 213-220 (July 1994). Engl. cf. ABIPST 64: abstr. 8932.

Publication Year: 1994

Language: ENGLISH

52 Effect of Chlorine Dioxide Substitution, Oxygen Delignification, and Biological Treatment on Bleach-Plant Effluent

Author: Graves, J. W.; Joyce, T. W.; Jameel, H.

Author Affiliation: Graves, J. W. (North Carolina State University. (Raleigh: NC: United States)); Joyce, T. W. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)).

Source: Tappi J. 76, no. 7: 153-158 (July 1993). Engl.

Publication Year: 1993

Language: ENGLISH

53 Bleaching of Low-Kappa Pulps with High-/Low-pH Chlorine Dioxide Stages

Author: Seger, G.; Jameel, H.; Chang, H. M.

Author Affiliation: Seger, G. (Procter & Gamble Paper Products Co. (Mehoopany: PA: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)).

Source: Appita J. 45, no. 2: 113-117 (March 1992). Engl.

Publication Year: 1992

Language: ENGLISH

54 Effect of Anthraquinone in Rapid Displacement Heating Kraft Pulping

Author: Sezgi, U. S.; Abuhasan, M. J.; Jameel, H.; Chang, H. M.

Author Affiliation: Sezgi, U. S. (North Carolina State University. (Raleigh: NC: United States)); Abuhasan, M. J. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)).

Source: Appita J. 45, no. 3: 173-177 (May 1992). Engl.

Publication Year: 1992

Language: ENGLISH

- 55 Two-Step High-pH/Low-pH Method for Improved Efficiency of D-Stage Bleaching
Author: Seger, G. E.; Jameel, H.; Chang, H. M.
Author Affiliation: Seger, G. E. (Procter & Gamble Paper Products Co. (Mehoopany: PA: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H. M. (North Carolina State University. (Raleigh: NC: United States)).
Source: Tappi J. 75, no. 7: 174-180 (July 1992). Engl.
Publication Year: 1992
Language: ENGLISH
- 56 Chlorine Dioxide Reactions with Nonphenolic Lignin Model Compounds
Author: Seger, G. E.; Chang, H.-m.; Jameel, H.
Author Affiliation: Seger, G. E. (Procter & Gamble Paper Products Co. (Mehoopany: PA: United States)); Chang, H.-m. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)).
Source: Tappi J. 74, no. 12: 195-196 (Dec. 1991). Engl.
Publication Year: 1991
Language: ENGLISH
- 57 leaching of Softwood RDH [Rapid Displacement Heating] Pulps with Low/No-Chlorine Bleaching Sequences
Author: Shin, N. H.; Sundaram, M.; Jameel, H.; Chang, H.-M.
Author Affiliation: Shin, N. H. (Beloit Pulping Systems. (Pittsfield: MA: United States)); Sundaram, M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
Source: TAPPI Environmental Anthology: 189-200 (1991). Engl. cf. ABIPST 62: abstr. 3231.
Publication Year: 1991
Language: ENGLISH
- 58 Two-Stage Bleaching with Chlorine Dioxide and Mixtures of Chlorine/Chlorine Dioxide in the D Stage
Author: Seger, G.; Jameel, H.; Chang, H.-M.
Author Affiliation: Seger, G. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)).
Source: TAPPI Environmental Anthology: 169-179 (1991). Engl. cf. ABIPST 62: abstr. 3229.
Publication Year: 1991
Language: ENGLISH
- 59 High-Efficiency Chlorine Dioxide Bleaching
Author: Seger, G. E.; Chang, H.-M.; Jameel, H.
Author Affiliation: Seger, G. E. (North Carolina State University. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)).
Source: TAPPI Bleaching Anthology: 396-402 (1991). Engl. cf. ABIPST 61: abstr. 10924.
Publication Year: 1991

Language: ENGLISH

- 60 Hydrogen Peroxide-Reinforced Extraction Lowers Chlorinated Organics and Color in Bleach-Plant Effluent
Author: Klein, R. J.; Meng, T. Y.; Jameel, H.; Sundaram, V. S. M.
Author Affiliation: Klein, R. J. (FMC Corp. (Princeton: NJ: United States)); Meng, T. Y. (FMC Corp. (Princeton: NJ: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Sundaram, V. S. M. (North Carolina State University. (Raleigh: NC: United States)).
Source: TAPPI Environmental Anthology: 108-114 (1991). Engl. cf. ABIPST 62: abstr. 3191.
Publication Year: 1991
Language: ENGLISH
- 61 Energy Considerations in CTMP Expansions for Board Mills
Author: Jameel, H.; Knoernschild, K. J.
Author Affiliation: Jameel, H. (North Carolina State University. (Raleigh: NC: United States)); Knoernschild, K. J. (Black & Veatch. (Raleigh: NC: United States)).
Source: TAPPI Energy Eng. & Manage. Anthology: 275-287 (1991). Engl. cf. ABIPST 61: abstr. 12156.
Publication Year: 1991
Language: ENGLISH
- 61 Energy Considerations in CTMP Expansions for Board Mills
Author: Knoernschild, K. J.; Jameel, H.
Author Affiliation: Knoernschild, K. J. (Black & Veatch. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University. (Raleigh: NC: United States)).
Source: Tappi J. 74, no. 1: 145-150 (Jan. 1991). Engl. cf. ABIPST 61: abstr. 12156.
Publication Year: 1991
Language: ENGLISH
- 62 Chlorate Interference in the Schoniger TOCI Test
Author: Sun, Y.; Sundaram, V. S.; Jameel, H.; Joyce, T. W.; Chang, H.-M.
Author Affiliation: Sun, Y. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Sundaram, V. S. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Jameel, H. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Joyce, T. W. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)); Chang, H.-M. (North Carolina State University, Dept. of Wood & Paper Science. (Raleigh: NC: United States)).
Source: Tappi J. 73, no. 10: 251-256 (Oct. 1990). Engl.
Publication Year: 1990
Language: ENGLISH
- 63 NEW OPPORTUNITIES FOR IN-PLANT REDUCTION OF POLLUTANTS THROUGH PROCESS CHANGES
Author: Renard, J. J.; Phillips, R. B.; Jameel, H.; Rudie, A. W.; International Paper Co
Source: Tappi 64, no. 8: 51-54 (Aug. 1981); Cf. ABIPC 52: abstr. 3943.
Publication Year: 1981
Language: ENGLISH

PATENTS

- 1 Method of Oxidatively Treating a Substrate with an Equilibrium Mixture of Caro's Acid and a Percarboxylic Acid
Author: Chang, H.; Jameel, H.; Song, J.; Pan, D.; Amini, B.; Webster, J.; Evans, B.
Patent Assignee: North Carolina State University; DuPont
Source: U.S. pat. 5,693,185. Issued December 2, 1997. 9 claims. 9 p. Cl.162/76.
Filed: U.S. appln. 705,997} (August 30, 1996). Priority: U.S. appln. 123,532 (September 17, 1993).
U.S. pat. 5,589,032. U.S. appln. 948,122 (September 21, 1992). Engl.
Publication Year: 1997
Language: ENGLISH
- 2 Peroxide Bleaching Process and Substrate Bleached Thereby
Author: Chang, H.; Jameel, H.; Xu, C.
Patent Assignee: North Carolina State University
Source: Can. pat. 2,160,972. Issued April 20, 1997. 30 claims. 71 p. Cl.D21C9/16.
Filed: Can. appln. 2,160,972} (October 19, 1995). Engl.
Publication Year: 1997
Language: ENGLISH
- 3 Process for Preparing a Bleaching Liquor Containing Percarboxylic Acid and Caro's Acid
Author: Chang, H. M.; Jameel, H.; Song, J.; Pan, D.; Amini, B.; Webster, J. R.; Evans, B. A.
Patent Assignee: North Carolina State University (Raleigh: NC: United States); DuPont Co. (Wilmington: DE: United States)
Source: U.S. pat. 5,589,032. Issued December 31, 1996. 4 claims. 9 p. Cl.162/76.
Filed: U.S. appln. 123,532} (September 17, 1993). Priority: U.S. appln. 948,122 (September 21, 1992). Engl.
Publication Year: 1996
Language: ENGLISH
- 4 Hydrogen Peroxide Reinforced Oxygen Delignification
Author: Parthasarathy, V. R.; Sundaram, M.; Jameel, H.; Gratzl, J. S.; Klein, R. J.
Patent Assignee: FMC Corp.; North Carolina State University
Source: Can. pat. 2,014,563. Issued December 5, 1995. 10 claims. 20 p. Cl.9-16.5.
Filed: Can. appln. 2,014,563} (April 11, 1990). Priority: U.S. appln. 354,522 (May 19, 1989). Engl.
Publication Year: 1995
Language: ENGLISH
- 5 High-Efficiency Two-Step, High-/Low-pH, Chlorine Dioxide Pulp-Bleaching Process
Author: Chang, H.; Jameel, H.; Seger, G. E.
Patent Assignee: North Carolina State University (Raleigh: NC: United States)
Source: U.S. pat. 5,268,075. Issued December 7, 1993. 13 claims. 21 p. Cl.162/89.
Filed: U.S. appln. 649,848} (February 1, 1991). Priority: U.S. appln. 424,347 (October 19, 1989). Engl.
Publication Year: 1993
Language: ENGLISH

- 6 Two-Stage Process for the Oxygen Delignification of Lignocellulosic Fibers with Peroxide Reinforcement in the First Stage
Author: Parthasarathy, V. R.; Sundaram, M.; Jameel, H.; Gratzl, J. S.; Klein, R. J.
Patent Assignee: FMC Corp. (Philadelphia: PA: United States); North Carolina State University. (Raleigh: NC: United States)
Source: U.S. pat. 5,011,572. Issued April 30, 1991. 10 claims. 8 p. Cl.162/56.
Filed: U.S. appln. 354,522 (May 19, 1989).
Publication Year: 1991
Language: ENGLISH



Hasan Jameel

Professor
North Carolina State Univ.
Box 8005
Raleigh, NC 27695-8005

Work (919) 515-7739
Fax (919) 515-6302

E-mail h_jameel@ncsu.edu

Record Id 832933
Functional Title 9A
Member Type M / Individual Member
Status A
Member Since 01/01/1987
Paid Thru 12/31/2006

County Wake

Gender M
Birthdate 09/01/1954

Home Address

Street Address

103 = 2nd Vice Chair
120 = Executive Membe
123 = Faculty Advisor
999 = Member

Note 1 called to register for 99 Pulping 8-16-99hpb
Added TJ code; 2/14/00 naj

Additional Notes 6/21/95: reg. for the 95 CA06306 w/cc. Svl. CAC

Committee Assignments

	From	Thru Date	Position
08/19/2005 Pulp Yield Workshop 8/15/05 mbrshp list provided by LFF, vje	08/15/2005		999
10/15/2003 Alkaline Pulping and Bleaching Committee 10/2/03 - Alkaline Pulping Committee has merged with Pulp Bleaching Committee to become Alkaline Pulping and Bleaching Committee effective 10/2/03 (email rec'd from Gene Canavan adv new off pos), vje	01/08/1995		999
10/15/2003 Alkaline Pulping and Bleaching Committee 10/2/03 - Alkaline Pulping Committee has merged with Pulp Bleaching Committee to become Alkaline Pulping and Bleaching Committee effective 10/2/03 (email rec'd from Gene Canavan adv new off pos), vje	01/08/1995		999



05/28/1999 Wood Chemistry Committee	05/28/1999		999
07/07/1995 Maine - New Hampshire Local Section	07/07/1995	08/31/1997	999
12/16/1989 Southeast Local Section	12/16/1989	08/31/1995	999
12/21/1987 Virginia - Carolina Local Section	12/21/1987	08/31/1995	123
12/21/1987 Virginia - Carolina Local Section	12/21/1987	12/31/1994	103
12/21/1987 Virginia - Carolina Local Section	12/21/1987	08/31/1995	120
Pulp Bleaching	01/08/1995		999

Dues Payments

Begin Date

Amount

02/09/2006 Member Dues	01/01/2006	159.00
05/17/2005 Member Dues	01/01/2005	154.00
05/17/2005 TJ Electronic	07/01/2005	15.00
03/25/2004 Member Dues	01/01/2004	149.00
03/25/2004 2004 Test Methods CD-ROM	09/01/2003	50.00
04/20/2003 Member Dues	01/01/2003	144.00
03/05/2002 Member Dues	01/01/2002	124.00
01/30/2001 Member Dues 2001	01/01/2001	90.00
09/23/1999 Member Dues 2000	01/01/2000	90.00
12/16/1998 Member Dues	01/01/1999	90.00
12/16/1998 Technical Information Papers CD-ROM	01/01/1999	20.00
02/23/1998 Member Dues	01/01/1998	90.00
02/23/1998 Test Methods CD-ROM	01/01/1998	20.00
09/13/1996 Member Dues	01/01/1997	90.00
10/25/1995 Member Dues	01/01/1996	90.00
10/25/1995 Test Methods	01/01/1996	15.00
09/28/1994 Member Dues	01/01/1995	90.00
09/28/1994		15.00
09/17/1993		75.00
	Totals:	1,570.00

Award

- 08/01/2005 2005 Pulp Manufacture Division Technical Award and Johan C.F.C. Richter Prize - to be presented at 05EPE, vje
- 09/24/2004 2002 Wayne Carr Best Paper Award, "Factors in the Passage of Pressure Sensitive Adhesive Particle through a Slot" - to be presented at the 2004 PAPTAC/TAPPI Research Forum on Recycling, vje

allied industries

V. A. Russo, *President*
C. H. Hornsby, Jr., *Vice President*
W. L. Cullison, *Executive Director*

November 9, 1987
Ha-159-87/CA 6298

Mr. Hasan Jameel
N.C. State University
Box 8005
Raleigh, NC 27695-0000

Dear Mr. Jameel:

On behalf of TAPPI I wish to thank you for your participation as a session chairman at the 1987 Pulping Conference. We appreciate your contributions in helping to make the technical program a success. I enjoyed working with you and if I can be of further assistance to you, please do not hesitate to contact me. Thanks again.

Sincerely,



Kathy D. Harris
Technical Program Coordinator
Ext. 217

pc: Member Relations File



*International Paper and
- H. Hornsby*

V. A. Russo, President
C. H. Hornsby, Jr., Vice President
W. L. Cullison, Executive Director

April 23, 1987
St-77-87

Mr. Hasan Jameel
International Paper Company
Shore Airport Road
Ticonderoga, NY 12883

Dear Mr. Jameel:

Our records indicate that you recently joined a TAPPI technical committee. Congratulations! I know you will find your involvement in committee work worthwhile.

A check of our computer records shows that the areas of interest you originally selected do not include the area covered by the technical committee you've joined.

Please assist us in updating your areas of interest by completing and returning the enclosed card.

This will insure that you receive information on conferences and other programs directly related to your primary areas of interest.

Thank you for your assistance - and for being involved!

Sincerely,

Sandra Stockman

Sandra M. Stockman
Member Relations Administrator

Enclosure: Division Interest Update Card

pc: Technical Division Administrators
Member File — ✓
SMS Day file



October 12, 1987

Please Reply To:

Daniel S. Blevins
Project Leader
Dow Chemical U.S.A.
2020 Willard H. Dow Center
Midland, MI 48674

Mr. Hasan Jameel
Group Leader, Pulp
International Paper Co.
Shore Airport Rd.
Ticonderoga, NY 12883

Dear Mr. Jameel:

I am very pleased to officially welcome you as a member of the Pulp Bleaching Committee. Unfortunately, your membership application form has somehow been misplaced. Would you please take the time to fill out the enclosed "Application For Committee Membership" and return it to TAPPI at the address given on the form? I am sorry this has happened. Your co-operation will help me keep the committee's records in order.

Please also find enclosed a copy of the minutes of from our recent meeting in San Diego and a copy of the committee membership roster which includes your name.

Membership on the Pulp Bleaching Committee is contingent upon active participation in committee activities. I trust that you will be willing and able to give a reasonable amount of time and work to further the objectives of the committee.

Our next meeting will be held in conjunction with the 1987 Pulping Conference in Washington, D.C. The committee and sub-committee meetings will be held Sunday, November 1 at the Washington Hilton at 2 p.m. and 9 a.m., respectively.

All committee members are also required to become a member of one or more sub-committees. To join a sub-committee, simply attend their next meeting and tell the sub-committee chairman that you wish to join. Then let me know so I can include that information in the committee participation record.

Again, welcome to the committee. I hope to see you in Washington, D.C.

Sincerely,

Dan Blevins

Dan Blevins, Secretary
Pulp Bleaching Committee
517-636-3112

cc: Dr. Jean-Claude Corbi, Technical Director, Federal Paper Board Company,
Riegelwood, NC 28456
Ms. Stacy Levy, Technical Divisions Administrator, TAPPI,
Technology Park/Atlanta, P.O. Box 105113, Atlanta, GA 30348-5113



APPLICATION FOR COMMITTEE MEMBERSHIP

TAPPI
Technology Park/Atlanta
P.O. Box 105113
Atlanta, GA 30348-5113 U.S.A.

I hereby apply for membership in the Wood Chemistry Committee
of the Research & Development Committee
Division

For this committee my primary interest areas are: Pulping and Bleaching Chemistry

CONDITIONS OF MEMBERSHIP

1. Applicant must be a member in good standing of TAPPI. Resignation from or nonpayment of dues to TAPPI will automatically terminate committee membership.
2. Applicants must be willing to give a reasonable amount of time and work to further committee activities.

I hereby agree to abide by these conditions of membership.

5/7/99 Hasan Jameel
Date Signature

Last Name JAMEEL First Name HASAN MI

Position Title Professor
Company Name North Carolina State Univ.

Company Address Box 8005
City Raleigh State NC Zip 27695

Nature of Company's Products or Services Academic

Office Telephone 919-515-7739 FAX # 919-515-6302 E-mail Address h-jameel@ncsu.edu

Home Address 6527 Dierview Dr, Raleigh, NC 27695
City Raleigh State NC Zip 27606

TAPPI Member Number						
		8	3	2	9	3
Or date applied for membership						

Do Not Write Below This Line
(for completion by committee officers; office staff to enter in computer):

(1) TO COMMITTEE CHAIRMAN FOR APPROVAL

Signature _____

Date _____

(2) TO COMMITTEE SECRETARY

Name added to roster _____ Date _____

Sent welcoming letter and pertinent committee materials

_____ Date _____

Keep this for your records

BIOGRAPHICAL INFORMATION ON DIVISION AND COMMITTEE MEMBERS

One of the pleasures of TAPPI committee membership is recognizing and honoring people for their contributions to the industry or to the Association. Please give us the following information so that your committee officers will know what you have done in your career and will be able to recognize you appropriately (attach additional sheets if necessary).

Pulp Manufacturing

Subcommittee Participation/Membership

Professional Awards, Honors

W. C. McArthur Award Winner

Task Force/Task Group Participation

Membership/Activities in other professional societies and/or civic organizations

Conference/Short Course Participation

TAPPI Pulping

Professional Field(s) of Specialization

Workshop/Panel/Roundtable Participation

Employment History

*International Paper 1979-1987
NC State 1987-Present*

Supervisory Responsibility (include number of employees reporting to you directly)

Officers Held in Divisions/Committees/Subcommittees/Task Forces

Educational Background

I would like to be included in the following activities:

TAPPI TECHNICAL DIVISIONS AND COMMITTEES

Numbers to the left are computer reference numbers - for use by TAPPI Staff

<p>01000 Coating & Graphic Arts Division</p> <p>01010 Basestock</p> <p>01020 Coating Additives</p> <p>01030 Coated Paperboard</p> <p>01040 Coating Binders</p> <p>01050 Coating Fundamentals</p> <p>01060 Coating Pigments</p> <p>01100 Coating Process</p> <p>01140 Fillers and Pigments Testing</p> <p>01080 Printing and Imaging</p> <p>01090 Specialty Coated Papers</p> <p>01160 Technical Trends</p> <p>03000 Corrugated Containers Division</p> <p>03010 Safety</p> <p>03090 Corrugated Board Technical Service</p> <p>03020 Engineering</p> <p>03080 Fiberboard Shipping Container Testing</p> <p>03070 Human Resource Dev. - Corrugated</p> <p>03030 Productivity Improvement</p> <p>03060 Flexo Printing and Graphics</p> <p>03040 Process Control & Quality Assurance</p> <p>03050 Production</p> <p>04000 Engineering Division</p> <p>04020 Corrosion & Materials Engineering</p> <p>04220 Energy Management</p> <p>04080 Engineering Management</p> <p>04100 Fluid Mechanics</p> <p>04200 Maintenance & Mechanical Engineering</p> <p>04120 Material Handling & Industrial Engineering</p> <p>04040 Water Removal</p> <p>04180 Process Engineering</p> <p>04300 Process Simulation</p> <p>04010 Pulp and Paper Safety</p> <p>04160 Steam & Power</p>	<p>09000 Environmental Division</p> <p>09080 Air Quality</p> <p>09070 Residuals Management</p> <p>09060 Water Quality</p> <p>10000 Finishing & Converting Division</p> <p>10020 Calendering</p> <p>10040 Packaging</p> <p>10060 Sheeting</p> <p>10050 Shipping, Receiving, & Warehousing</p> <p>10080 Winding</p> <p>12000 Nonwovens Division</p> <p>12020 Building & Industrial Mat</p> <p>12010 Nonwovens Binders & Additives</p> <p>12050 Nonwovens Fibers</p> <p>12040 Nonwovens Filtration Media</p> <p>12070 Nonwovens Process Technology</p> <p>12030 NW Prod. Characterization & Performance</p> <p>05000 Paper & Board Division</p> <p>05020 Papermakers</p> <p>05060 Papermaking Additives</p> <p>05080 Stock Preparation</p> <p>05090 Paper Permanence (ad hoc)</p> <p>02000 Polymers, Laminations & Coatings Division</p> <p>02050 Extrusion Coating</p> <p>02090 Film Extrusion</p> <p>02010 Packaging</p> <p>02070 High Barrier Packaging</p> <p>02060 Hot Melt</p> <p>02130 Midwestern Pkg. & Converting</p> <p>02140 Plastic Laminates</p>	<p>08000 Process and Product Quality Division</p> <p>08020 Chemical Properties</p> <p>08040 Optical Properties</p> <p>08080 Physical Properties</p> <p>08090 Pulp Properties</p> <p>08100 Quality Management</p> <p>06000 Pulp Manufacture Division</p> <p>06010 Alkaline Pulp</p> <p>06020 Fiber Raw Material Supply</p> <p>06050 Mechanical Pulping</p> <p>06090 Nonwood Plant Fibers</p> <p>06060 Pulp Bleaching</p> <p>06030 Fiber Recycling</p> <p>06140 Southeast Technical Management</p> <p>06070 Sulfite & Semichemical Pulping</p> <p>06160 Supplier</p> <p>06170 Southeast Pulp Mill Superintendents</p> <p>07000 Research & Development Division</p> <p>07010 Forest Resources</p> <p>07020 Information Management</p> <p>07040 Microbiology and Microbial Technology</p> <p>07080 Paper Physics</p> <p>07090 Research Management</p> <p>07070 Wood Chemistry</p> <p>11000 Process Control, Electrical & Info. Division</p> <p>11010 Process Control</p> <p>11020 Electrical Engineering</p> <p>11030 Millwide Control and Information</p>
---	--	---

79 Committees
12 Divisions

updated 3/98

allied industries

V. A. Russo, *President*
C. H. Hornsby, Jr., *Vice President*
W. L. Cullison, *Executive Director*

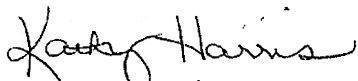
November 9, 1987
Ha-159-87/CA 6298

Mr. Hasan Jameel
N.C. State University
Box 8005
Raleigh, NC 27695-0000

Dear Mr. Jameel:

On behalf of TAPPI I wish to thank you for your participation as a session chairman at the 1987 Pulping Conference. We appreciate your contributions in helping to make the technical program a success. I enjoyed working with you and if I can be of further assistance to you, please do not hesitate to contact me. Thanks again.

Sincerely,



Kathy D. Harris
Technical Program Coordinator
Ext. 217

pc: Member Relations File



divisions paper and
St-77-87

V. A. Russo, *President*
C. H. Hornsby, Jr., *Vice President*
W. L. Cullison, *Executive Director*

April 23, 1987
St-77-87

Mr. Hasan Jameel
International Paper Company
Shore Airport Road
Ticonderoga, NY 12883

Dear Mr. Jameel:

Our records indicate that you recently joined a TAPPI technical committee. Congratulations! I know you will find your involvement in committee work worthwhile.

A check of our computer records shows that the areas of interest you originally selected do not include the area covered by the technical committee you've joined.

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This will insure that you receive information on conferences and other programs directly related to your primary areas of interest.

Thank you for your assistance - and for being involved!

Sincerely,

Sandra Stockman

Sandra M. Stockman
Member Relations Administrator

Enclosure: Division Interest Update Card

pc: Technical Division Administrators
Member File — ✓
SMS Day file



October 12, 1987

Please Reply To:

Daniel S. Blevins
Project Leader
Dow Chemical U.S.A.
2020 Willard H. Dow Center
Midland, MI 48674

Mr. Hasan Jameel
Group Leader, Pulp
International Paper Co.
Shore Airport Rd.
Ticonderoga, NY 12883

Dear Mr. Jameel:

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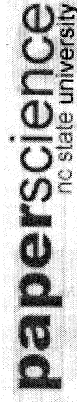
Sincerely,



Dan Blevins, Secretary
Pulp Bleaching Committee
517-636-3112

cc: Dr. Jean-Claude Corbi, Technical Director, Federal Paper Board Company,
Riegelwood, NC 28456
Ms. Stacy Levy, Technical Divisions Administrator, TAPPI,
Technology Park/Atlanta, P.O. Box 105113, Atlanta, GA 30348-5113

faculty, staff & facilities



Dr. Hasan Jameel
Professor

B.S. Texas A&M University, 1975
Ph.D. Princeton University, 1979

Research Interests:

Pulping and bleaching process analysis
Process modeling and control
Chemistry of pulping and bleaching

Background:

Dr. Jameel received his B.S. (1975) in Chemical Engineering from Texas A&M University. He completed his postgraduate work at Princeton University (1979) in Chemical Engineering. He worked for International Paper at the Corporate Research Center and the Ticonderoga mill from 1979-1987. He joined the Department of Wood and Paper Science at NCSU in 1987 as an Associate Professor. Dr. Jameel is currently a Professor of Pulp and Paper Technology. In 1990, he was the recipient of the NC State Outstanding Teacher award and in 1999 he became the Alumni Distinguished Undergraduate Professor. He is a member of TAPPI and AIChE.

Courses:

WPS 360 Pulp and Paper Unit Processes II
WPS 460 Environmental Issues for the Paper Industry
WPS 371 Pulping Process Analysis

Contact:

N.C. State University
Dept. of Wood & Paper Science
Box 8005
Raleigh, NC 27695-8005
Tel: 919 515-7739
Fax: 919 515-6302

Email: H_Jameel@ncsu.edu

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The leading technical association for the worldwide pulp, paper, and converting industry.



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Home > Search > TAPPI Info/Membership > Hasan Jameel Receives the 2005...

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Hasan Jameel Receives the 2005 Pulp Manufacture Division Award and Johan C.F.C. Richter Prize



Dr. Hasan Jameel is the 2005 recipient of the TAPPI Pulping Division Technical Award and Johan C.F.C. Richter Prize. This prize was established by, then, Kamy Inc. in recognition of the outstanding technical contributions in pulping made by the father of continuous pulping – TAPPI Fellow Johan C.F.C Richter. Presented annually by the Pulp Manufacturing Division Awards Committee of TAPPI, this prize is awarded to recipients that are judged to have also made outstanding technical contributions to the industry. Jameel will accept his award at the 2005 Engineering, Pulping, and Environmental Conference in Philadelphia, PA August 28-31, 2005.

Jameel has made exceptional contributions in technical research to the pulping, bleaching, and recycling fields. He worked for International Paper from 1979-1987 at Tuxedo Park and Ticonderoga Mill. With his hard work and dedication, he has advanced the Pulping and Bleaching industry. Some of his accomplishments include implementing the first MC oxygen bleaching system, studying the organic and inorganic reactions of chlorine dioxide to advance ECF bleaching, and increasing pulp yield with oxygen delignification. As of now, Jameel is devoting his time to the evaluation of black liquor gasification technologies.

An Ellis Signe Olsen distinguished professor, Jameel has dedicated the last 18 years to educating young scientists and engineers in addition to his work as a researcher. He has taught several courses in Paper Science and Engineering at North Carolina State University and has lead in the development of NCSU's professional Masters Degree. Jameel's numerous contributions to the Pulping field have led him to receive every teaching recognition offered by both NCSU and TAPPI. He has distinguished himself at TAPPI with over 60 publications in TAPPI Journal and his participation in a large number of Conference presentations.

TAPPI is the leading technical association for the worldwide pulp, paper, and converting industry.

