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Year after year: Tortured conference series thriving in Computer Science

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June, 5th 2024
WCRI, Athens



Thanks for your continuing support to the PPS:



Fraudster's motivations

Recognition

Misconduct

Competition

Tortured phrases

Institutional pressure

SCIgen

Mathgen

ChatGPT



Pollution of scientific literature

A new form of plagiarism: Copy-Paraphrase-Paste



A screenshot of the QuillBot website. The 'Academic' mode is selected. The original text on the left is: "The primary goal of the study is to determine how artificial intelligence has affected the tutoring industry. The effects and applications of artificial intelligence in teaching, learning, and administration contributed to the possibility of learning in part. Research methods that were qualitative in nature, such as using a literature review as an exploratory design, were applied, and they successfully improved understanding of study persistence. Artificial Intelligence (AI) is the study of successful inventions and advances that have been accumulated in computers, machines, and other artifacts with human intelligence that are grouped according to intellectual capacity, learning, and adaptability. According to the study, artificial intelligence has been widely used and implemented in the field of education." The paraphrased text on the right is: "Finding out how intelligent machines has impacted the tutoring sector is the study's main objective. Part of the possibility of learning was made possible by the effects and applications of robotic intelligence in teaching, learning, and administration. Qualitative research techniques, like applying a literature review as an exploratory design, were used, and they effectively increased knowledge of study persistence. The study of successful innovations and advancements in computers, machinery, and other artifacts with human intelligence that are categorized based on learning, adaptability, and intellectual capacity is known as artificial cognition (AI). The report claims that artificial intelligence has been applied and utilized extensively in the sphere of education." A red box highlights the 'Rephrase' button. A red arrow points from the 'Rephrase' button to the 'Ctrl + C' icon below. Another red arrow points from the paraphrased text to a Microsoft Word document icon below.



15K



Problematic Paper Screener (PPS)

Tortured Phrases

Artificial Intelligence

ing the individual back score models from a credit database can be taken as an undertaking of DM. The factual grouping models perform positively just when the finance mental suspicions are fulfilled. Rather than conventional factual systems, the counterfeit consciousness methods, for example, SVM, genetic programming, and DT don't require the learning of the basic connections amongst info and yield factors. This paper examines the three techniques of the

 Springer [10.1007/s10586-017-1334-1](https://doi.org/10.1007/s10586-017-1334-1)



Naive Bayes

sigma is a free parameter, $\|Z - C\|^2$ is the euclidean distance. The field relies on the boundaries of gamma and c qualities. These qualities accomplish great outcomes. Credulous Bayes is the regulated AI methodology. In view of the known probabilities and prepared qualities it calculation is the augmentation of the Bayesian hypothesis and the stated likelihood. This classifier follows the restrictive probabilities.

 AIP Publishing [10.1063/5.0150792](https://doi.org/10.1063/5.0150792)

I. Introduction

insect

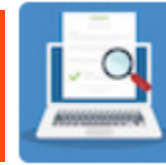


Plants are known as the kitchen of starches as they can make food without any help. Around 250 million years ago, plants were affected by diseases which indicates by Fossil evidence [1]. For the most part, the illnesses are brought about by various miniature organs like microorganisms, infections, creepy crawlies, and furthermore inadequate with regards to plants requiring miniature and large scale components like Sodium, Magnesium, Iron, Calcium, Phosphorus, and so on [2]. As an issue of distress,

 IEEE [10.1109/DASA54658.2022.9765063](https://doi.org/10.1109/DASA54658.2022.9765063)

Problematic Paper Screener (PPS)

<https://www.irit.fr/~Guillaume.Cabanac/problematic-paper-screener/tortured>



PUBPEER
The online journal club

- ▼ Detectors:
- 0 Annulled
- 1 **Tortured**
- 2 SCLgen
- 3 Mathgen
- 4 SBIR

| Year | Publisher | Venue | Title | Tortured Phrases | Assessor | PubPeer Users |
|------|------------------|---|---|--|----------|---|
| 2020 | Taylor & Francis | <i>Critical Reviews in Food Science and Nutrition</i> | RETRACTED ARTICLE: Human microbiome and homeostasis: insights into the key role of prebiotics, probiotics, and symbiotics | bosom AND breast • quality articulation AND gene expression • safe reaction AND immune response • Crohn's infection • Parkinson's infection • Rheumatoid joint pain • insusceptible cell • insusceptible framework • insusceptible reaction • invulnerable framework • lymph hub • peevish inside disorder • resistant framework • sort 2 diabetes • sound individuals | Cabanac | Elisabeth M Bik, Alexander Magazinov, N. H. Wise, Hoya Camphorifolia |
| 2018 | Springer Nature | <i>Neural Computing and Applications</i> | RETRACTED ARTICLE: Hybrid optimization with cryptography encryption for medical image security in Internet of Things | mystery key AND encryption • shrewd device AND smart device • Gabor channel • creepy crawlies • mean square blunder • populace size • square blunder • test arrangement • vitality productivity | Cabanac | Alexander Magazinov, Guillaume Cabanac, Elisabeth M Bik, Schizomeris Leibleinii, Rhipidura Albiventris, Marianne Alunno-Bruscia, N. H. Wise, Hoya Camphorifolia |

Assessor = 'Invitation for human assessors'
5000
1 - 20 of 17,420

| Year | Publisher | Venue | Title | Tortured Phrases | Assessor | PubPeer Users |
|------|------------------|---|--|--|--------------------------------|---------------|
| 2021 | Taylor & Francis | <i>Handbook of Artificial Intelligence in Biomedical Engineering</i> | Healthcare Applications Using Biomedical AI System | back engendering AND neural • layer yields AND neural network • profound learning AND deep learning • recognizable proof AND identification • therapeutic picture AND medical image • Alzheimer's infection • actuation capacities • amended straight unit • back vector machine • bolster forward • bolster vector machine • bolster vector • choice tree • completely associated layer • convolutional neural system • coronary course infection • coronary course • cross-approval • crude information • discourse feeling acknowledgment • distinguishing proof • extricates highlights NOT specular • feeling acknowledgment • hereditary calculation • highlight extraction NOT specular • highlights are extricated • irregular timberland • lung knob • manufactured neural • more prominent exactness • neural arrange • neural organize • preparing information • profound convolutional • profound education • recognizable proof • restorative picture • savvy machines • therapeutic gadgets • touchy information | Invitation for human assessors | - |
| 2023 | Taylor & Francis | <i>Artificial Intelligence, Blockchain, Computing and Security Volume 2</i> | A review of object-based detection using convolutional neural networks | back engendering AND neural • component map AND CNN • highlight map AND CNN • jumping box AND bounding box • profound learning AND deep learning • thing acknowledgment AND object recognition • yield layer AND neural • PC vision • back-engendering calculation • completely associated layer • completely associated network • component extraction • convolutional neural association • convolutional neural organization • distinguishing proof • enactment work • fake neural organizations • fake neural • highlight vector • huge information • intermittent neural organizations • limit esteem • loads and inclinations • man-made cognizance • misfortune capacity • neural associations • neural organization • picture acknowledgment • picture order • profound figuring • profound neural organization • recognizing confirmation • totally related layer • width and profundity | Invitation for human assessors | - |



HELP

PubPeer comment: an example

Identity of anonymous commentator

#1 *Nerita vitiensis* commented April 2024

This IEEE article contains several **tortured phrases** - strange substitutions for established scientific terms that typically result from an attempt to avoid plagiarism detection using a paraphrasing software.

So far, I have spotted the following:

| Tortured Phrases (found) | Established Phrases (expected) |
|--------------------------|--------------------------------|
| Boa constrictor pilot | Anaconda Navigator |
| choice tree | decision tree |
| Help Vector Machine | Support Vector Machine (SVM) |
| free example T test | independent sample T-test |

Suggestions for  tortured phrases

Extract from a problematic article

III. RESULTS

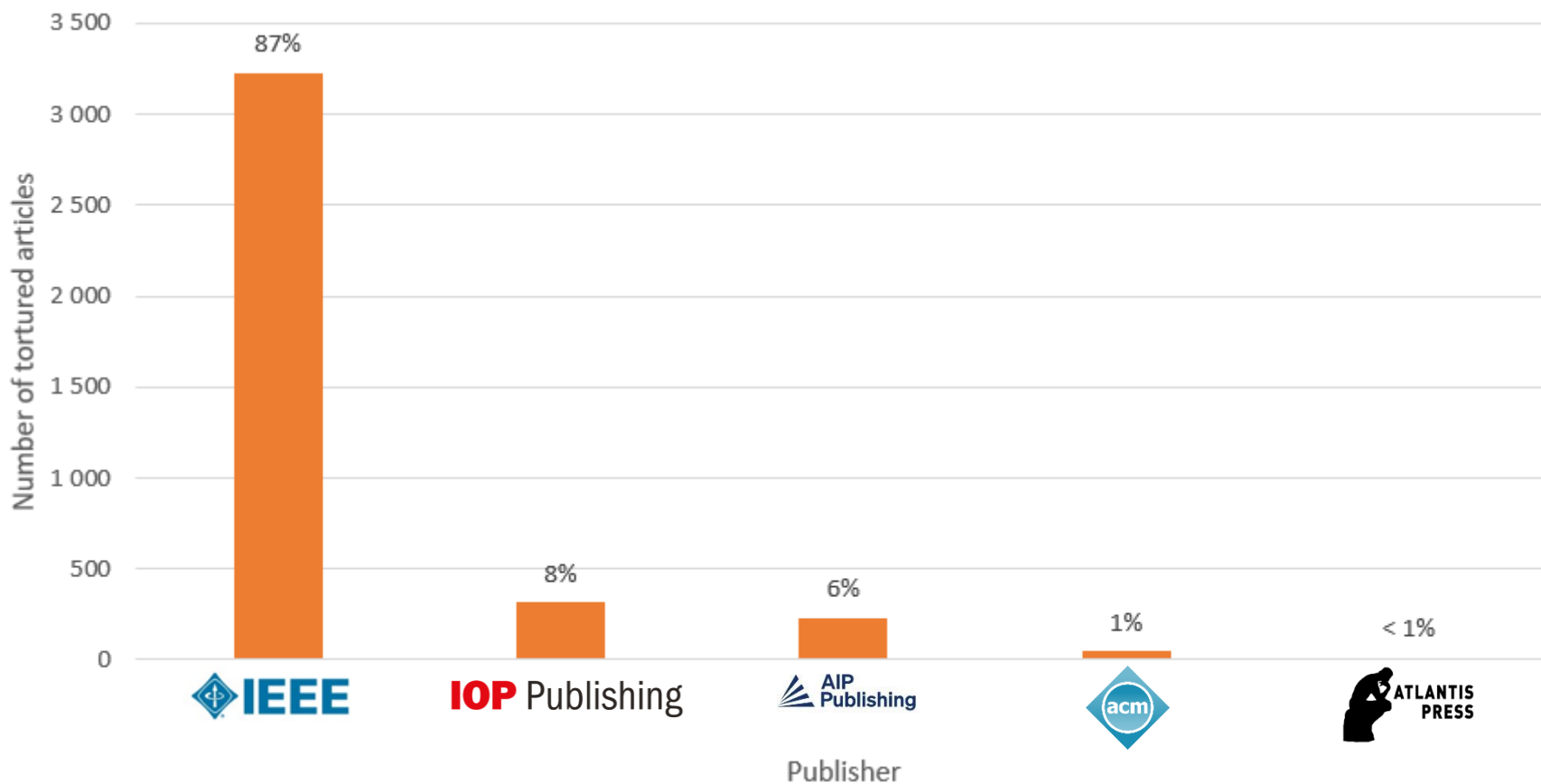
With a thorough sample size of ten instances each, the Support Vector Machine (SVM) and the Decision Tree (DT) that were suggested underwent a great deal of testing in the **Boa constrictor pilot** at various points throughout time. Table 1 displays the predicted accuracy of the Support Vector Machine as well as the safety buffer it has. Table 2 displays



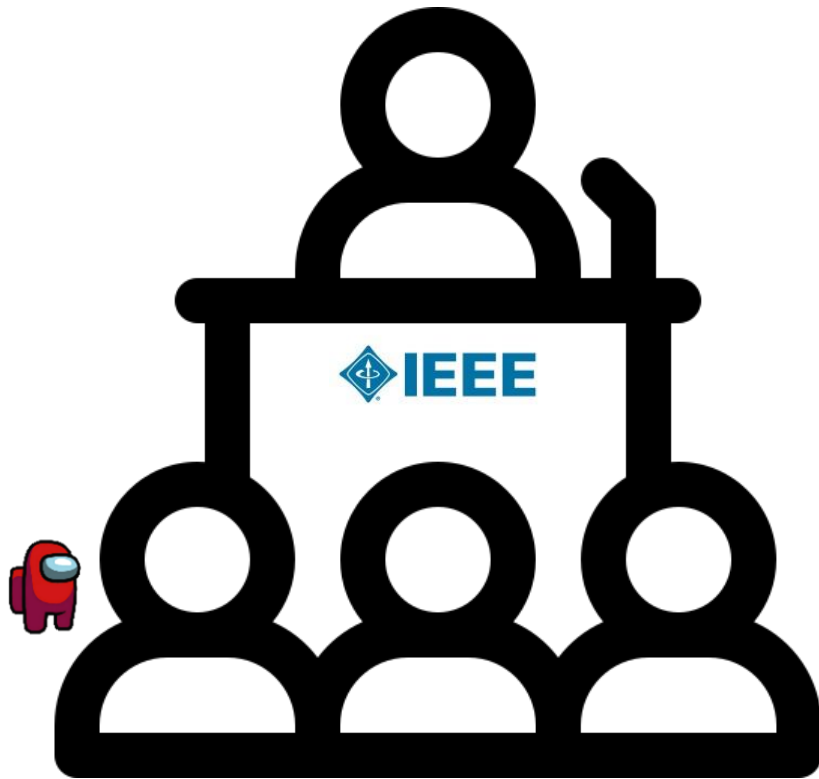
Snowball effect

Problematic Paper Screener

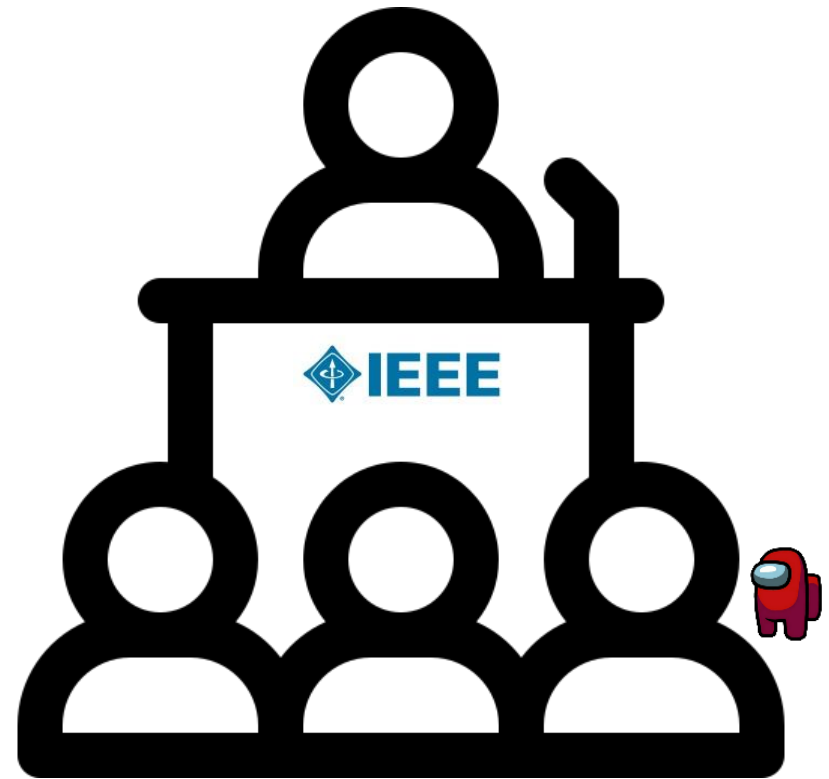
Publishers: Tortured conferences series



Conference series



Conference $\lambda : x^{th}$ edition



Conference $\lambda : x + 1^{th}$ edition



The impostor who submitted tortured articles

IEEE: Top of tortured conferences series



INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS

| Number of Tortured Papers | Year | | | | | | | | | | Grand Total |
|---|----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Acronyms of the IEEE conferences | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | Grand Total |
| SMART GENCON | | | | | | | 7 | 6 | 84 | | 97 |
| ICOCWC | | | | | | | | | | 96 | 96 |
| ICACCS | | | | | 9 | 24 | 24 | 17 | 11 | | 85 |
| ICES | 8 | 7 | 15 | 7 | 6 | 16 | 18 | 3 | | | 80 |
| ICCCI | | | 5 | 2 | 3 | 15 | 10 | 22 | 20 | | 77 |
| ICCMC | | | 4 | 2 | 17 | 8 | 29 | 12 | 3 | | 75 |
| IC3I | | | | 2 | 2 | | | 36 | 33 | | 73 |
| IoT in Social, Mobile, Analytics and Cloud (I-SMAC) | | | 7 | | 15 | 14 | 15 | 7 | | | 58 |
| ICICCS | | | 4 | 6 | | 9 | 14 | 22 | 3 | | 58 |
| ICOEI | | | | 7 | 9 | | 22 | 15 | 4 | | 57 |
| ICAIS | | | | | | | 30 | 15 | 12 | | 57 |
| ICACITE | | | | | | | | 35 | 22 | | 57 |
| ICECA | | | 5 | 8 | 12 | 18 | 13 | | | | 56 |
| ICSCAN | | | | | 15 | 23 | 13 | | 4 | | 55 |
| ICAC3N | | | | | | | 30 | 25 | | | 55 |
| ICSSIT | | | | 3 | 16 | 10 | | 14 | 8 | | 51 |
| ICERECT | | | | | | | | 45 | | | 45 |
| Trends and Future Directions (ICRITO) | 2 | | | 2 | | 9 | 24 | 6 | | | 43 |
| ICIRCA | | | | 13 | | 7 | 14 | 8 | | | 42 |
| INCOFT | | | | | | | | 20 | 21 | | 41 |
| ICICT | | | | 2 | 3 | 11 | 13 | 7 | 5 | | 41 |
| ICESC | | | | | | 8 | 12 | 18 | 2 | | 40 |
| ... | | | | | | | | | | | ... |
| ICCA | | | | | | | | | 2 | | 2 |
| GlobConPT | | | | | | | | 2 | | | 2 |
| ICPICS | | | | | | | | | 2 | | 2 |
| Overall total | 4 | 76 | 222 | 230 | 273 | 378 | 572 | 926 | 623 | 125 | 3429 |

Plague of anomalies in conference proceedings hint at ‘systemic issues’



Hundreds of conference papers published by the U.S.-based Institute of Electrical and Electronic Engineers (IEEE) show signs of plagiarism, citation fraud and other types of scientific misconduct, according to data sleuths.

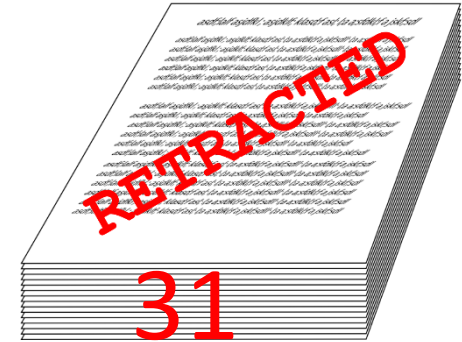


“I am concerned that the issue with these particular conferences is widespread enough such that it indicates systemic issues with their peer review systems,” Kendra Albert wrote last August in an email to IEEE that Retraction Watch has seen.

Albert is a clinical instructor at Harvard Law School and a lecturer in women, gender, and sexuality at Harvard University. On the side, Albert has been working with Guillaume Cabanac, a professor of computer science at the University of Toulouse, in France, to ferret out research misconduct using a computer system called the Problematic Paper Screener.



Conclusion



Tortured Papers





"proceedings-level report"



This is a **proceedings-level report** on the 2024 International Conference on Optimization Computing and Wireless Communication (ICOCWC) published by IEEE.

The **Problematic Paper Screener** flagged 40+ papers because they contain **tortured phrases**, **questioned references**, and other anomalies.

I invite the publisher and editors to:

1. Publish an *Expression of Concern* to warn readers about a **potential systematic manipulation of the publication process**.
2. Audit the integrity of the peer review process held for this conference.
3. Assess the reliability of the 40 problematic papers tabulated below and **at the PPS**.
4. Retract or correct the papers that are not reliable (**possibly the entire proceedings**).

List of 40 problematic papers found as of today:

| ID | Title of the paper | Fingerprints flagged |
|----|--|--|
| 1 | Improving Machine Learning for Personalized Cardiac Arrest Risk Estimation | machine studying AND machine learning • neural community AND neural network • system mastering AND machine learning • aid vector machine • choice timber • choice tree • device getting to know • device mastering • gadget learning • gadget mastering • gadget studying • getting to know algorithm • guide vector device • heart sickness • help vector machine • herbal language processing • machine gaining knowledge • machines getting to know • neural community • supervised gaining |

<https://pubpeer.com/search?q=%22proceedings-level+report%22>

2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT)

An Investigation on Machine Learning Algorithm for Accuracy Optimization of Diabetes Mellitus

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Abstract—The commonness of diabetes among people has expanded decisively lately. As indicated by a wellbeing review, diabetes influences 347 million individuals around the world. Diabetes influences individuals, all things considered, including more youthful individuals. Another troublesome assignment is to distinguish diabetes at a beginning phase. This revelation will be useful for the clinical framework's dynamic cycle. Early diabetes analysis empowers us to forestall diabetes-related passings in individuals. Long haul diabetes builds the gamble of damage to the body's fundamental organs. To forestall diabetes in people, early diabetes discovery is in this way fundamental. Diabetes Mellitus is a serious worldwide medical problem. the globe. There are various classification frameworks that have been utilized to analyze and treat it. This work proposes a mixture approach joining Least Squares **Backing Vector Machine** and Changed Molecule Multitude Optimization for the order of type II DM patients. To sort information, the LS-SVM algorithm searches out the best hyper-planes that partition each class. Adjusted PSO algorithm is used as a LS-SVM boundary optimization technique since LS-SVM is very delicate to changes in its boundary values. Future and valuable devices for early sickness discovery and backing in persistent condition checking incorporate **computerized reasoning**.

Keywords—Algorithm, Optimization, Deep Learning, Diabetes, Machine, Mellitus.

in the present societies and on the grounds that a few diabetics are oblivious to their condition. It could decrease how much diabetics who have Coronavirus. It is a metabolic problem and perhaps of the most common constant sickness in contemporary culture. Diabetes makes the pancreas' capacity make insulin to be diminished or dispensed with, or the body neglects to assimilate the chemical. Subsequently, the body can't as expected do its digestion. Through a few cycles, insulin is fundamental for bringing down glucose levels. Outcomes like visual deficiency, kidney illness, cardiovascular sickness, and depression could result from a supported expansion in glucose levels in the body.

An individual with diabetes, frequently known as diabetes mellitus or basically diabetes has high glucose for one of two reasons: either the pancreas doesn't make sufficient insulin, or cells don't respond to the insulin that is delivered. The customary indications of polyuria (regular pee), polydipsia (expanded thirst), and polyphagia (expanded craving) are brought about by this raised glucose. There are three principal types of diabetes, and "Type I DM," which is made by the body's failure produce insulin, presently requires the utilization of an insulin infusion or an insulin siphon. The second kind of DM is classified "Type II DM," which comes from insulin opposition, a sickness in which cells neglect to use insulin appropriately. some of the signs in blood with an



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Consulted on : 3 février 2024. Available on hal : [hal-04225515v7](https://hal.archives-ouvertes.fr/hal-04225515v7)
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